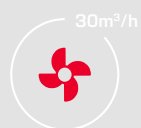
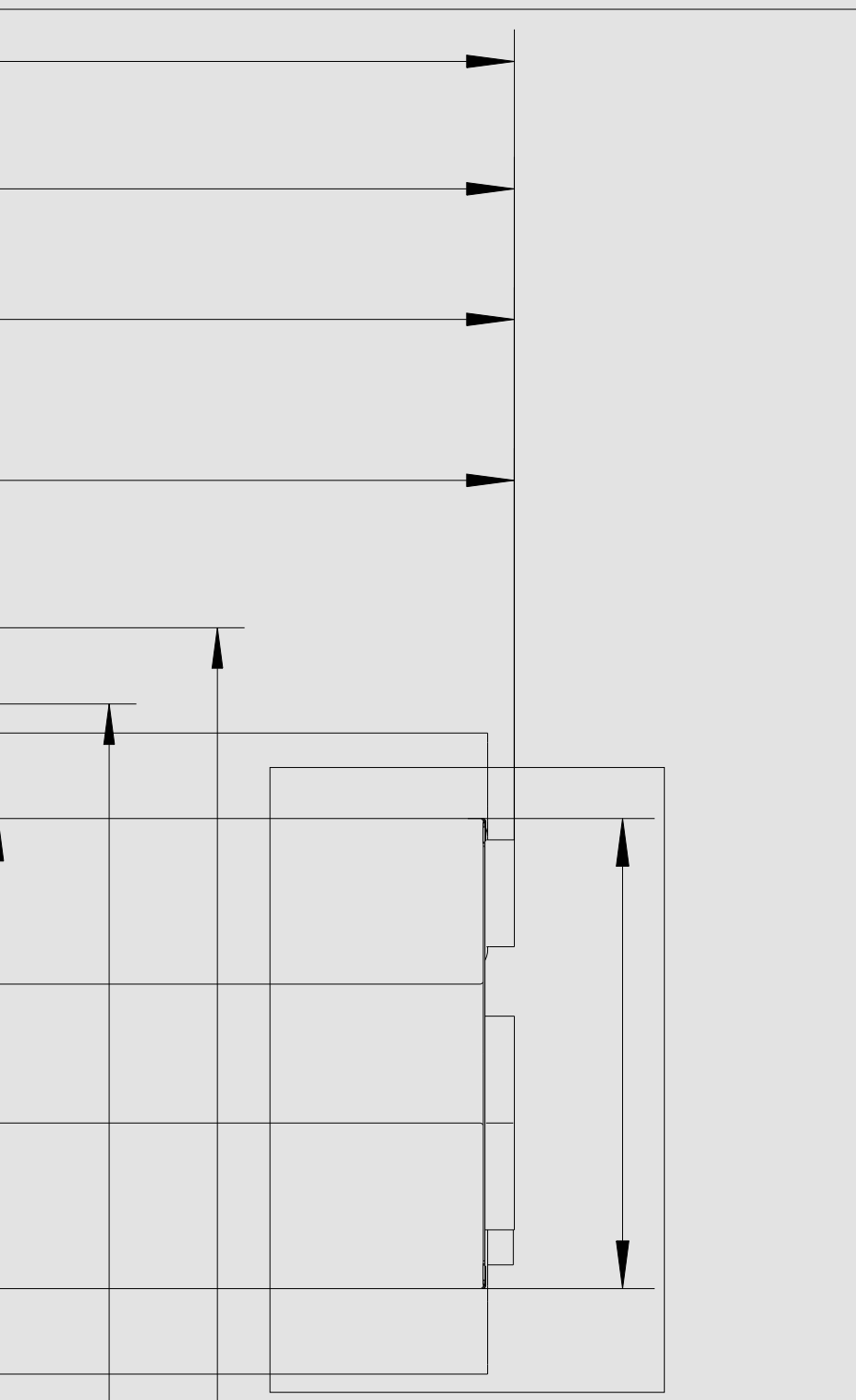
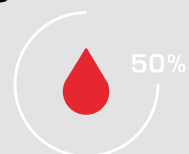


WOLF

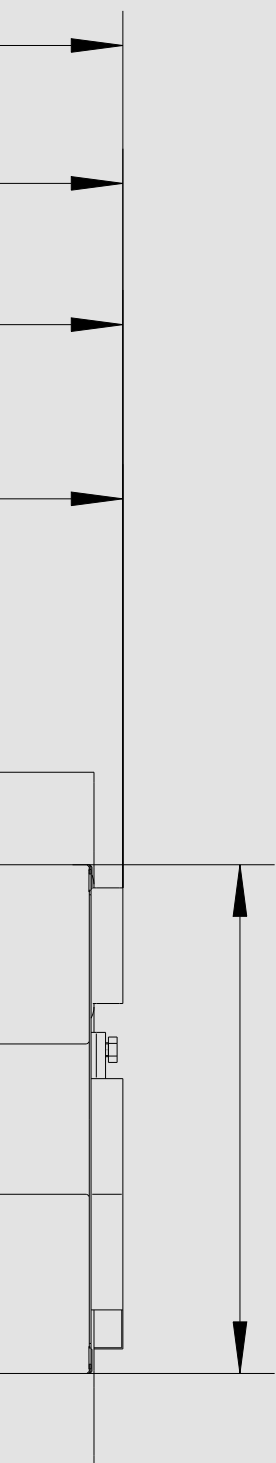
HEATING SYSTEMS, VENTILATION SYSTEMS

PRICE LIST

JANUARY 2021



WOLF



THE EXTENSIVE EQUIPMENT RANGE

from system supplier WOLF offers the ideal solution for commercial and industrial buildings, new build and modernisation projects alike.

The WOLF range of control units can meet any demand for a perfect indoor environment.

All equipment is easy to operate, highly energy efficient and reliable.

Solar thermal systems can be swiftly integrated into existing systems.

WOLF equipment is easy and quick to install and maintain.

The prices mentioned are ex-works Mainburg, and do not include packaging or value-added tax.

They are based on our conditions of sale and delivery.

Subject to changes.

The illustrations correspond approximately to the actual versions of the articles. This picture Serves, above all, the faster and better search and identification of the required product.

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HEATING SYSTEMS, VENTILATION SYSTEMS

PRICE LIST

JANUARY 2021

BOILERS
GAS BOILERS
FLUE GAS SYSTEMS
SOLAR
HEAT PUMPS
APARTMENT STATION
STORAGE TANK SYSTEMS
DOMESTIC VENTILATION SYSTEM
COMMUNICATION AND SERVICE
TOPWING UNIT HEATER
UNIT HEATER
WARM AIR CURTAIN UNIT
CEILING FAN
SMOKE EXTRACT FAN
ROOF EXTRACT FAN
COMFORT VENTILATION UNITS

WOLF

HEATING SYSTEMS, VENTILATION SYSTEMS

PRICE LIST

JANUARY 2021

BOILERS

GAS BOILERS

FLUE GAS SYSTEMS

SOLAR

HEAT PUMPS

APARTMENT STATION

STORAGE TANK SYSTEMS



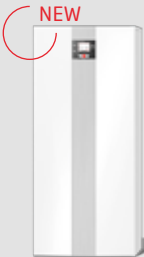


DOMESTIC VENTILATION SYSTEM

COMMUNICATION AND SERVICE








SCOPE OF SUPPLY - HEATING

OVERVIEW

CONDENSING BOILERS

FUEL OIL CONDENSING			GAS CONDENSING	
2-STAGE		MODULATING		
15 - 40kW	18kW	20 - 30kW	130 - 300kW	390 - 1000kW
				
COB-2	TOB	TGB-2	MGK-2	MGK-2

WALL MOUNTED GAS BOILERS

WALL MOUNTED GAS CONDENSING BOILERS			GAS CONDENSING CENTRES			CONVENTIONAL WALL MOUNTED GAS BOILERS
14 - 24 kW	38 - 55 kW	75 - 100 kW	14 - 24 kW	14 - 24 kW	14 - 24 kW	10 - 24 kW
						
CGB-2 CGB-2K	CGB-2	CGB-2	CGS-2L/R	CGW-2	CSZ-2	CGU-2 CGU-2K

SOLAR COLLECTORS

FLAT COLLECTORS			VACUUM TUBE COLLECTOR
MEANDER		HARP	
			
F3-1Q	F3-1	CFK-1	CRK-12

SCOPE OF SUPPLY - HEATING

OVERVIEW

HEAT PUMPS








STORAGE TANKS







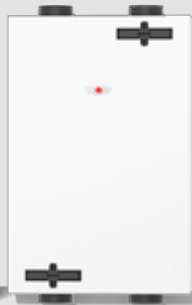

SCOPE OF SUPPLY - HEATING

OVERVIEW






STATIONS

APARTMENT STATIONS		FRESH WATER STATIONS		
HIGH TEMPERATURE	LOW TEMPERATURE	WALL MOUNTED		FLOOR STANDING
37 - 55 kW	37 - 55 kW	60 - 80 kW	80 - 320 kW	140 - 455 kW
				
CAT-HT	CAT-LT	FWS-2	FWS-2-Cascade	FWS-2max

DOMESTIC VENTILATION SYSTEM

CENTRAL					DECENTRALIZED
WALL			FLOOR	CEILING	WALL
180 m³/h 300 - 400 m³/h	225 m³/h	325 - 400 m³/h	300 m³/h	150 - 300 m³/h	70 m³/h
					
CWL-EXCELLENT	CWL-2	CWL-2	CWL-T EXCELLENT	CWL-F EXCELLENT	CWL-D

CONTROL SYSTEM

PROGRAMMING UNITS	ROOM MODULE	EXTENSION MODULES	INTERNET INTERFACES	SPECIAL INTERFACES
				
BM-2 / BM AM	RM-2	MM-2 / MM SM1-2 / SM2-2 KM-2 / KM	WOLF LINK PRO WOLF LINK HOME	LON, BACNET, KNX

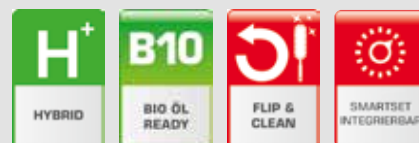
WOLF

BOILERS

OIL CONDENSING BOILERS	2
TOB	2
COB-2	3
TANKS TOB/COB	4
TS	4
GAS CONDENSING BOILERS	5
TGB-2-20-30	5
MGK-2-130-300	6
MGK-2-390-630	7
MGK-2-800-1000	8
CONTROL SYSTEMS / CONTROL ACCESSORIES	9
ACCESSORIES BOILERS	13
TECHNICAL DATA	30



TOB TOPLINE FLOORSTANDING OIL CONDENSING BOILER



RG | H01

TYPE	TOB	18
Energy efficiency class		
Space heating medium temperature	A+++ → D	A
Space heating energy efficiency η_s	%	93
Min. rated heating output at 80/60 °C	kW	6.3 / 17.7
Min. rated heating output at 50/30 °C	kW	6.6 / 18.6
Nominal load min	kW	6.4 - 18.1
Max. flow temperature	°C	80
Air/flue gas pipe diameter	mm	80/125
Dimensions		
height	mm	1290
width	mm	566
depth	mm	605
Weight	kg	92
EC identification number		CE-0085C000305

TOB	Art. no.	8906714
	€	6900.00

Modulating oil condensing boiler with a modulation range up to 35% for room-air-dependent and room-air-independent operation

Proven combustion principle: pressure atomization

Intelligent pump control (spreading)

Technology without oil preheating: extremely low power consumption

Intelligently controlled by Wolf control system WRS-2

LAN / WLAN module WOLF LINK HOME can be integrated

Including additional differential pressure socket and ionization control

Seasonal space heating energy efficiency up to 93%, standard utilisation ratio η_s up to 105%

Extremely quiet due to additional exhaust silencer: Sound power level according to ERP only 58 dB(A)

Especially light for easy transport

Easy operation and maintenance thanks to „integrated workbench“ and easy access from the front

Compact refrigerator format: only 0.34m² of floor space, no minimum side distances

Robust aluminium-silicon heat exchanger

Proven ceramic flame tube

Can be optimally expanded with the living space ventilation unit CWL-T-300 and the adjacent storage units TS-160, TR-160

Neutralization and lifting pump can be integrated to save space

Operation with standard and low-sulphur heating oil EL as well as organic heating oil (B10) possible

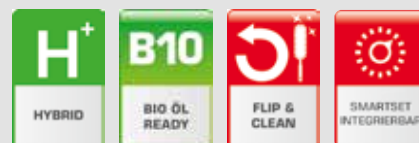
Cascadable: Up to 5 pieces

High-quality oil filter with vacuum gauge included in delivery

Hybrid+: Intelligent combination with WOLF heat pumps



COB-2 COMFORTLINE FLOORSTANDING OIL CONDENSING BOILER



RG | H01

TYPE	COB-2	15	20	29	40
Energy efficiency class					
Space heating medium temperature	A+++ → D	A	A	A	A
Space heating energy efficiency η_s	%	92	92	93	93
Min. rated heating output at 80/60 °C	kW	9.2 / 14.7	13.4 / 19.5	18.9 / 28.8	27.4 / 38.5
Min. rated heating output at 50/30 °C	kW	9.6 / 15.4	14.1 / 20.4	19.9 / 30.4	28.7 / 40.4
Air/flue gas pipe diameter	mm	80/125	80/125	80/125	110/160
Dimensions					
height	mm	1290	1290	1290	1490
width	mm	566	566	566	566
depth	mm	605	605	605	605
Weight	kg	107	107	112	130
EC identification number		CE-0085CT0160			

COB-2	Art. no.	8908791	8908792	8908793	8908794
	€	6060.00	6195.00	6605.00	7485.00

2-stage oil condensing boiler for room-air-dependent and room-air-independent operation

Proven combustion principle: pressure atomization

Technology without oil preheating: extremely low power consumption

Intelligently controlled by Wolf control system WRS-2

LAN / WLAN module WOLF LINK HOME can be integrated

Including additional differential pressure sensor

Seasonal space heating energy efficiency up to 93%, standard utilisation ratio η_i up to 105%

Optionally expandable with living space ventilation unit CWL-T-300 and adjacent storage units TS-160 / TR-160 (COB-2-15/20/29)

Especially light for easy transport

Easy operation and maintenance thanks to „integrated workbench“ and easy access from the front

Compact refrigerator format: only 0.34m² footprint, no minimum side clearances

Extremely quiet due to additional exhaust silencer:
Sound power level according to ERP only 53 dB(A) (15 kW)

Robust aluminium-silicon heat exchanger

Proven ceramic flame tube

Neutralization and lifting pump can be integrated to save space

Operation with standard and low-sulphur heating oil EL as well as organic heating oil (B10) possible

Cascadable: Up to 200 kW

100% connection compatible with WOLF COB

Hybrid+: COB-2-15/20 can be intelligently combined with WOLF heat pumps



TS ENAMELLED DHW STRATIFICATION CYLINDER COMPATIBLE WITH TOB AND COB/COB-2

RG | H45

TYPE	TS	160
Energy efficiency class	A+ → F	B
Cylinder capacity	l	152
Dimensions		
height	mm	1290
width	mm	566
depth	mm	605
Weight	kg	72

TS	Art. no.	8908815,8908101
	€	1920.00,1920.00

Universal compact solutions for WOLF oil condensing boilers in stylish design.

Easy installation thanks to modular design

Minimum installation time and costs: Saves on-site HEPumps, ventilators, piping and much more.

Comfortable hot water preparation: large tank capacity

8l hot water expansion vessel and circulation pump can be integrated to save space

Enamelled steel cylinder ensures hygienic water heating and long service life Innovative insulation technology

„Hot water turbo“ with new control and distribution system for hot and cold water in the TS-160 hot water stratified tank ensures quiet, radial water distribution and excellent hot water output [patented]

The powerful one: TS-160

Efficient storage tank loading via stainless steel plate heat exchanger

Stratified storage technology for maximum efficiency and convenience

Incl. high-efficiency charging pump [EEI<0.23] and storage tank temperature sensor 6 mm

The universal one: TR-160

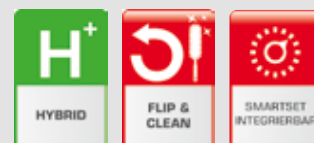
Fast hot water preparation via large dimensioned pipe coil heat exchanger

Can also be used efficiently in particularly calcareous areas - can save expensive drinking water treatment

Inspection opening for easy cleaning of the storage tank



TGB-2-20-30 GAS CONDENSING BOILER



RG | H02

TYPE	TGB-2-20-30	20	30
Energy efficiency class			
Space heating medium temperature	A+++ → D	A	A
Space heating energy efficiency η_s	%	94	94
Power range of heating at 80/60°C	kW	17	26,9
Power range of heating at 50/30°C	kW	19,6	30,2
Air/flue gas pipe diameter	mm	80/125	80/125
Dimensions			
height	mm	1290	1290
width	mm	566	566
depth	mm	605	605
Weight	kg	0	0
EC identification number		CE-0085DL0121	

TGB-2-20-30	Art. no.	8615761	8615762
	€	4705.00	5155.00

Ideal for easy replacement of existing boilers

Generous AISi heat exchanger with ample heating water capacity

Flue gas connection flexible top (wall-mounted) or rear (e.g. low chimney connection) exchangeable without accessories

Easy integration into existing systems, even without hydraulic separator

Modulation range 17 - 100

Seasonal space heating efficiency of 94 %

Expandable to hybrid solution (e.g. in combination with heat pump or solar thermal)

Pump spreading control for additional use of calorific value

Numerous identical parts to other WOLF units (CGB-2, TOB)

Extremely quiet device (< 42 dB [A])

Flip&Clean device with convenient tray and full accessibility from the front

Practical bayonet locks

Can be expanded to a building services control center with TS/TR-160 storage solutions and living space ventilation

Cross-product WOLF control system WRS-2: BM-2 with commissioning wizard

LAN / WLAN module WOLF Link home can be integrated

Compact refrigerator format: Only 0.34m² footprint

When using the Flip&Clean position, a minimum side clearance of 150 mm is to be planned on the right side



MGK-2-130-300

FLOORSTANDING GAS CONDENSING BOILER FOR NATURAL GAS E, LL AND LPG P



RG | H02

TYPE	MGK-2_130-300	130	170	210	250	300
Power range of heating at 80/60°C	kW	23	27	34	39	45
Power range of heating at 50/30°C	kW	24 - 126.0	30 - 167.0	37 - 208.0	44 - 250.0	49 - 294.0
Dimensions						
height	mm	1300	1300	1300	1300	1300
width	mm	995	1355	1355	1355	1355
depth	mm	640	640	640	640	640
Weight	kg	195	250	271	292	313
EC identification number		CE-0085CN0326				

MGK-2_130-300	Art. no.	8752241	8752242	8752243	8752244	8752245
	€	10595.00	12270.00	14510.00	16610.00	18735.00

Modulation range 17 - 100 %

Standard seasonal efficiency [to DIN] up to 110 % [net cv]

No minimum circulating water flow rate required

Neutralising kit with booster and condensate removal pump can be integrated

Extremely low noise operation

Completely encased and thermally insulated

Compact construction, fits through a door 800 mm wide

Integral back draught safety device for flue cascade operation

Communication possible using smartphone, laptop or PC via LAN/WLAN module iSM?i / WOLF LINK HOME

0-10 V input for building management system

Fault message output 230 V

Common sensor for low loss header can be connected

Cascade operation with up to 5 appliances possible



MGK-2-390-630

FLOORSTANDING GAS CONDENSING BOILER FOR NATURAL GAS E, LL



RG | H02

TYPE	MGK-2_390-630	390	470	550	630
Power range of heating at 80/60°C	kW	58	71	84	97
Power range of heating at 50/30°C	kW	64 - 392.0	78 - 467.0	94 - 549.0	107 - 627.0
Dimensions					
height	mm	1420	1420	1420	1420
width	mm	1700	1700	1700	1700
depth	mm	850	850	850	850
Weight	kg	390	420	450	480
EC identification number		CE-0085CN0326			

MGK-2_390-630	Art. no.	8751976	8751977	8751978	8751979
	€	25295.00	28340.00	31385.00	34685.00

Modulation range 17 - 100 %

Standard seasonal efficiency [to DIN] up to 110 % [net cv]

No minimum circulating water flow rate required

Neutralising kit with booster and condensate removal pump can be integrated

Extremely low noise operation

Can be split for transport; largest module 1420x1295x790 mm

Communication possible using smartphone, laptop or PC via LAN/
WLAN module iSM7i / WOLF LINK HOME

0-10 V input for building management system

Fault message output 230 V

Common sensor for low loss header can be connected

Integral back draught safety device for flue cascade operation

Cascade operation with up to 5 appliances possible

Completely encased and thermally insulated

Compact construction, fits through a door 800 mm wide



MGK-2-800-1000

FLOORSTANDING GAS CONDENSING BOILER FOR NATURAL GAS E, LL



RG | H02

TYPE	MGK-2_800-1000	800	1000
Power range of heating at 80/60°C	kW	119	157
Power range of heating at 50/30°C	kW	133 - 752.0	174 - 1000.0
Dimensions			
height	mm	1460	1460
width	mm	2015	2015
depth	mm	970	970
Weight	kg	625	680
EC identification number		CE-0085CN0326	

MGK-2_800-1000	Art. no.	8752607	8752608
	€	42000.00	48770.00

Modulation range 17 - 100 %

Standard seasonal efficiency [to DIN] up to 110 % [net cv]

No minimum circulating water flow rate required

Neutralising kit with booster and condensate removal pump can be integrated

Extremely low noise operation

Completely encased and thermally insulated

Compact design, fits through a door 1000 mm wide

Can be split for transport; largest module 1460x1700x950 mm

Communication possible using smartphone, laptop or PC via LAN/
WLAN module iSM7i / WOLF LINK HOME

0-10 V input for building management system

Fault message output 230 V

Common sensor for low loss header can be connected

Integral back draught safety device for flue cascade operation

Cascade operation with up to 5 appliances possible

WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES

Art. no. € DG



BM-2 PROGRAMMING UNIT

- Central operating module for WOLF heat generators of the WRS-2 generation
- Room/weather-compensated temperature controller
- for installation in heat generators / additional modules or in wall sockets for remote control
- with time programs for heating, hot water and circulation
- intuitive menu guidance with plain text display and 3.5" colour display
- Commissioning assistant with automatic detection of plant components
- Support of 5 heat generators with KM-2
- Adjustment of heating and cooling curves
- Can be used as remote control for CWL Excellent / CWL-2
- Compatible with WOLF Smartset

incl. outdoor temperature sensor, BM-2 black	2745304	458.00	H41
incl. outdoor temperature sensor, BM-2 white	2745927	458.00	H41
without outdoor temperature sensor, BM-2 black	2745306	430.00	H41

Note: Required for the operation in accordance with EnEV.



AM DISPLAY MODULE

For installation in the appliance

2745310 228.00 H41

Note: Required for appliance operation if the BM-2 is used as a remote control.



WALL MOUNTING BASE FOR BM-2

For using the BM-2 programming unit as a remote control

black	1731129	31.70	H41
white	1731442	31.70	H41



MM-2 MIXER MODULE

Extension module for weather-compensated flow temperature control of a circuit with mixer.

2745865 384.00 H41

- Can be extended with the BM-2 programming unit as a remote control
- Up to 7 mixer modules can be integrated into one system
- Easy configuration of the controller by selecting predefined system versions
- eBus interface with automatic energy management
- Rast 5 connection technology
- Incl. flow temperature sensor



SM1-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

2745867 286.00 H41

- Simple configuration of the controller by selection of pre-defined plant variants
- In combination with Wolf heaters, higher energy savings due to intelligent Storage tank recharging, i.e. blocking of storage tank recharging with a sufficiently high solar yield
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, secondary and parallel operation)
- Display of setpoints and actual values in the adjustment module BM-2
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal

WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



SM2-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

- Simple configuration of the controller by selecting predefined system variants
- In conjunction with Wolf heaters higher energy savings through intelligent storage tank recharging, i.e. blocking of storage tank recharging if solar yield is sufficiently high
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, subordinate and parallel operation)
- Display of set and actual values in the BM-2 operating module
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal

Art. no.	€	DG
2745869	468.00	H41



KM-2 CASCADE MODULE

Extension module to control systems with a low loss header or cascade operation. Can be used for up to 5 heat generators. (Subject to heat generator)

- Easy configuration of the controller by selecting predefined system versions
- Switching of a circuit with mixer
- BM-2 programming unit can be clipped into place or extended as a remote control unit with a wall mounting base
- 0-10V input for building management systems, fault message output 230V
- eBus interface with automatic energy management
- Rast 5 connection technology

2745866	575.00	H41
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RM-2 ROOM MODULE










4 in 1: Automatic recognition of the function based on system components:

- Room temperature controller with daily/weekly program
- Remote control for living room ventilation CWL Excellent / CWL 2 (at the same time as room temperature control)
- Remote control of all heating or mixing circuits (with BM/BM-2 in the system)
- Remote control for up to 7 individual heating circuits with several RM-2 (with BM/BM-2 in the system)
- Illuminated touch screen
- Integrated room temperature sensor
- Connection via eBus interface
- Many functions: Holiday mode, fault messages, temperature displays etc.
- Compatible with WOLF Smartset

2747657	236.00	H41
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WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES

	Art. no.	€	DG
	AFB ANALOGUE REMOTE CONTROL	2744551	124.00 H41
	<ul style="list-style-type: none"> • Basic WRS remote control for heating and mixer circuits • Each heating circuit can be operated separately with a remote control • Integrated room temperature sensor • Setting of temperature and program selection via rotary selector • eBus interface 		
	MAXIMUM THERMOSTAT	2791905	60.00 H41
	For underfloor heating For switching off the heating circuit pump if the set temperature is exceeded.		
	WIRELESS REMOTE CONTROL	2744200	165.00 H41
	(only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209) AVAILABLE UNTIL 04/21		
	WIRELESS OUTSIDE TEMPERATURE SENSOR	2744081	136.00 H41
	(only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209) AVAILABLE UNTIL 04/21		
	WIRELESS RECEIVER	2744209	179.00 H41
	for radio outdoor temperature sensor [Art.-No. 2744081] and radio remote control [Art.-No. 2744200] incl. radio clock [DCF77 signal] AVAILABLE UNTIL 04/21		
	TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE	8852829	62.00 H41
	Can be used as a cylinder, boiler, central unit and supply air temperature sensor		
	HEAT METERING KIT		
	For measuring the yield of SM1-2 and SM2-2 solar modules Consisting of: Flow meter, return contact sensor (NTC 5k), 2 union connections with male thread 1/2"		
	Q_{Nenn}/max 1,5/3 m³/h	2744392	191.00 H41
	Q_{nom}/max. 2.5/5 m³/h	2744610	234.00 H41
	RETURN CONTACT SENSOR (NTC 5K)	2792022	54.00 H41
	For SM1-2 and SM2-2 solar modules For measuring the yield using Δt and the flow rate set in the control unit.		

WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



ISM 6 LON INTERFACE MODULE

For communication between the control unit and the building management system using LON standard network variables

Art. no.	€	DG
2745768	1870.00	H41



WOLF LINK HOME LAN / WLAN INTERFACE MODULE

Consisting of:
WOLF LINK HOME interface module, connection cable, installation / operating instructions, network cable

- Integrated LAN and WLAN interfaces for integration of WOLF heating systems in one network, or
- For WOLF heating device connections to the Wobutler Smarthome system

Note: To obtain full access to both functions and operation a programming module BM-2 is recommended.

2746365	253.00	H41
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WOLF LINK 4G

Consisting of:
Interface module WOLF Link 4G incl. LTE router with external antenna, mounting / operating instructions, power supply unit

- Interface module for wall mounting in systems without a fixed Internet connection
- Connection of WOLF heating systems to the WOLF Smartset Portal / App
- Use for parameterization of compatible WOLF devices
- Power supply via power supply unit
- A mobile data tariff (min. 3G) with approx. 500MB/month is required for operation.

Note: Service leasing variant incl. Multi-Sim card (minimum contract term 2 years) available from Wolf Service.

2747704	970.00	H41
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ISM8i OPEN SOURCE ETHERNET INTERFACE MODULE

Interface module with disclosed TCP/IP protocol for system-independent integration of WOLF heating appliances and ventilation units.

2745831	253.00	H41
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KNX INTERFACE KIT

Interface kit for integration of WOLF heating appliances into a KNX network

Consisting of:
Interface module ISM8i ETHERNET, KNX-IP-BAOS module, installation and operating instructions, network cable

2745713	785.00	H41
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I/O MODULE

Extension module for 2 programmable inputs and 2 programmable outputs

2745730	170.00	H41
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BACNET INTERFACE KIT







Interface kit for integration of WOLF heating appliances into a BACnet network

Consisting of:
Interface module ISM8i, WOLF BACnet gateway, installation and operating instructions, network cable [2 pcs]

2746108	1870.00	H41
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WOLF

ACCESSORIES BOILERS

		for product	Art. no.	€	DG
	CONNECTION KIT, ADJACENT TO THE WALL	COB-2, TOB	2070947	211.00	H40
	Consisting of: 2 cross-pieces, each with 1 connection 2 clips 1 corrugated stainless steel pipe 1" (1300mm long) 1 corrugated stainless steel pipe 1" (800mm long) 1 tube of silicone grease				
	CONNECTION KIT	COB-2, TOB	2070948	369.00	H40
	Standing against the wall, for TS cylinder consisting of: 2 cross pieces with 2 connections each 4 brackets 3 stainless steel corrugated pipes 1" (1300mm long) 1 corrugated stainless steel tube 1" (800mm long) 2 stainless steel corrugated pipes 3/4" (800mm long) 1 silicon grease tube 1 set of cuts 3/4" 1 Reduction set 1"				
	CONNECTION KIT, ADJACENT TO THE WALL	COB-2, TOB	2071732	850.00	H40
	For SE-2 cylinders up to 750 l, SEM-1 up to 750 l or SEM-2 up to 400 l consisting of: 2 cross pieces with 2 connections each, 3 stainless steel corrugated pipes 1" (1300mm long) 1 corrugated stainless steel tube 1" (800mm long) 4 brackets 1 silicon grease tube 1 pipe bend 1 high-efficiency pump DN25-60 (EEI < 0.23) 6 flat gaskets 1". 2 double nipples G1" AG - G1" 2 flat gaskets 1 1/2" EPDM 1 elbow with air vent 1 Fitting transition G1 1/2" IG to G1" AG				
	EXTENSION FOR CONNECTION KIT	COB-2, TOB	2070728	192.00	H40
	for piping group or SEM-1 1000 or stratified buffer tank BSP-800 and 1000 consisting of: 2 stainless steel corrugated pipes 1" (1500mm long) 2 double nipples G1" AG - G1" 2 flat gaskets 1".				
	DHW CIRCULATION PUMP KIT	TS-160 TR-160	8905748	310.00	H40
	Consisting of: 3-stage DHW circulation pump, corrugated stainless steel pipe 3/4", trimming kit 3/4"				
	AUTOMATIC FUEL OIL AIR VENT VALVE	COB-2, TOB	2484539	226.00	H40
	with integrated filter 5-20 µm, stopcock and vacuum gauge. Connection thread on tank side 1 x G 3/8" IT for compression fitting; external thread on burner side 2 x G 3/8" ET with internal cone for hose fitting				

WOLF ACCESSORIES BOILERS



FUEL OIL FILTER FOR SINGLE LINE SYSTEM
With return feed, automatic venting, retainer and shut-off valve; female connection thread on the tank side 1 x G 3/8" for locking ring fittings; male thread on the burner side 2 x G 3/8" with inside cone for hose connection

for product	Art. no.	€	DG
COB-2	2400405	220.00	H40



NEUTRALISING BOX
Incl. granulate filling and mounting accessories

COB-2-15/20/29, TOB	2484013	389.00	H40
COB[-2]-40	2483689	417.00	H40



GRANULATE REFILL PACK

5 kg granulate and 0.5 kg activated charcoal	COB-15-29, TOB	2483972	126.00	H40
9 kg granulate and 0.5 kg activated charcoal	COB-40	2483974	167.00	H40



NEUTRALISER WITH BOOSTER
for installation in the device
Filter housing with large maintenance cover, Booster pump 230V, power consumption 5W, and air hose with check valve

MGK-2-130-170	2484810	409.00	H40
MGK-2-210-300	2484811	520.00	H40
MGK-2-390-630	2484541	865.00	H40
MGK-2-800-1000	2485247	1305.00	H40



REFILL PACK FOR NEUTRALISER
consumption: approx. 10g - 30g per kW and year

Refill pack 1.3 kg	Neutraliser	2400371	35.20	H40
Refill pack 5 kg	Neutraliser	2484538	92.00	H40



REFILL PACK FILL & GO 3,75kg	Neutralisator	2485083	78.00	H40
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CONDENSATE PUMP
with potential-free alarm output
ready to plug in COB / TOB for installation in neutralisation box

TGB-2, TOB, COB-2	2071267	229.00	H40
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consisting of:
condensate pump with potential-free alarm output, PVC hose 10mm [6m long], check valve

WOLF

ACCESSORIES BOILERS

	for product	Art. no.	€	DG
	CONDENSATE PUMP WITH POTENTIAL-FREE, FULLY WIRED ALARM OUTPUT Consisting of: Condensate pump with floating alarm output, condensate tank with lid and wall retainer, PVC hose 10 mm (6 m long), non-return valve, condensate inlet adaptor	TLHK-EC, TLHK, CWL Excellent, CWL-2, CWL-F/T-Excellent, COB-2, TOB, TGB-2	2071268	265.00 H40
	CONDENSATE REMOVAL PUMP, READY TO PLUG IN with potential-free alarm output consisting of: Condensate pump with potential-free alarm output, large condensate tank, PVC hose 10mm (6m long), check valve and condensate inlet adaptor	MGK-2	2071999	265.00 H40
	ADAPTOR CABLE For anti-lift valve	TOB	2745504	43.00 H41
	SAFETY ASSEMBLY Safety valve with 3 bar response pressure, pressure gauge and one KFE valve each in flow and return	TGB-2, TOB, COB-2	2070666	228.00 H40
	SAFETY ASSEMBLY Safety valve with 3 bar response pressure, pressure gauge, automatic venting valve with automatic shut-off, incl. thermal insulation	MGK-2-130 MGK-2-170-300	2071535 2071536	358.00 H40 478.00 H40
	SAFETY ASSEMBLY WITH CONNECTION 2" (partially pre-assembled) Consisting of: 2 safety valves with 3 bar response pressure, pressure gauge, automatic air vent valve with automatic shut-off, integrated compact valve distributor with 4 connections for 2 pressure limiters 1/2", thermometer/pressure gauge 1/2", expansion vessels with 3/4" connection and thermal insulation	MGK-2-390-630	2071671	765.00 H40
	SAFETY ASSEMBLY WITH CONNECTION 2.5" (partially preassembled) consisting of: 2 safety valves for 3 bar response pressure, manometer, automatic venting valve with automatic shut-off, integrated compact fitting bar with 4 connections for 2 pressure limiters 1/2", thermo-/ manometer 1/2", connection expansion vessel 3/4" and thermal insulation	MGK-2-800/1000	2072253	1555.00 H40

WOLF

ACCESSORIES BOILERS



BOILER FILL AND DRAIN VALVE CONNECTION KIT,

1"

consisting of:

Reducing angle, filling and draining cock with cap for connection to the return

for product

Art. no.

€

DG

MGK-2, MGK-2-390-630

2071672

133.00 H40

MGK-2-800/1000

2072263

211.00 H40



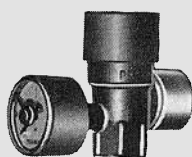
SAFETY VALVE

6 bar response pressure. Can be mounted in exchange on the safety groups for MGK-2 will be.

MGK-2-170-630

2072041

286.00 H40



SAFETY VALVE WITH PRESSURE GAUGE

3 bar response pressure for sealed unvented hot water heating systems up to 50 kW, connection 1/2" female thread, discharge 3/4" female thread, pressure gauge display range 0-4 bar

BWL-1

240046599

51.00 H40



SAFETY VALVE

3 bar response pressure for sealed unvented hot water heating systems, chrome plated

Up to 50 kW, connection 1/2" female thread, discharge 3/4" female thread, pressure gauge display range 0-4 bar
Up to 100 kW, connection 3/4" female thread, discharge 1" female thread

All boiler, gas heaters up to 24kW

2011000

23.20 H40

All boiler, gas heaters from 35kW

2011191

40.70 H40



AUTOMATIC AIR VENT VALVE

With automatic shut-off, connection 1/2" male thread

All boilers, all heat pumps

2400486

11.00 H40



REFILL KIT FOR HEATING SYSTEM

for the automatic filling of Heating systems.

All boilers

2484442

500.00 H40

consisting of:

Backflow preventer type BA, strainer, adjustable pressure reducer and drain connection for direct connection of a heating system to a drinking water supply system, protected according to EN 1717. Including shut-off devices and thermal insulation shells Connection 1/2" male thread, outlet pressure 1.5 - 4 bar



PUMP SHUT-OFF VALVE

For the heating circuit pipe assembly, for shut-off upstream of the pump for straightforward pump replacement, with easily operated ball valve, for installation with flat gasket below the thermal insulation shell

DN25

CGB-35/50/-K-40-35,
All boilers

2012058

30.00 H40

DN32

All boilers, CGB-35/50/-
K-40-35

2012062

37.60 H40

Note: DN25 is also suitable for the pipework set for cylinders installed below the boiler and floorstanding cylinders (2 pcs required)

WOLF

ACCESSORIES BOILERS



DIRT TRAP

in flange/sloped seat design

with built-in stainless steel sieve, fine filter with drain plug, corrosion protection by powder coating, for installation position: horizontal or vertical.

for product

Art. no.

€

DG

MGK-2-130	2484850	201.00	H40
MGK-2-170-300	2484851	227.00	H40
MGK-2-390-630	2484640	457.00	H40
MGK-2-800/1000	2485035	605.00	H40



FLANGE KIT

for dirt trap mounting

consisting of:

2 threaded flanges DIN 2565, incl. screw connection and 2 flange gaskets DIN 2690

MGK-2-130	2484852	84.00	H40
MGK-2-170-300	2484853	115.00	H40



FLANGE KIT FOR APPLIANCE CONNECTION

or for mounting the dirt trap

consisting of:

2 welding neck flanges DIN 2631, incl. screw connection and 2 flange gaskets DIN 2690

MGK-2-390-630	2484545	169.00	H40
MGK-2-800/1000	2485060	191.00	H40



MICROBUBBLE SEPARATOR

To protect the unit and the high-efficiency pump from dirt / sludge and magnetite, a sludge separator with magnetite separator must be installed in the heating return.

WOLF recommends a micro-bubble separator in the heating flow to effectively remove air and micro-bubbles.

1" up to 2.1 m³/h	2071877	163.00	H40
1¼" to 3.5 m³/h	2070407	194.00	H40
1½" up to 5.4 m³/h	2072251	215.00	H40
2" up to 8.2 m³/h	2072252	289.00	H40



THERMAL INSULATION

For microbubble separator

1"	1669275	81.00	H40
1¼" / 1½"	1669276	81.00	H40
2"	1669280	81.00	H40

WOLF

ACCESSORIES BOILERS



SLUDGE SEPARATOR

To protect the unit and the high-efficiency pump against dirt / sludge and magnetite is a sludge separator with magnetite separator in the heating return flow.

WOLF recommends the following for effective removal of air and microbubbles a microbubble separator in the heating flow.

1" up to 2.1 m³/h	2071880	243.00	H40
1¼" up to 3,5m³/h	2071879	277.00	H40
1½" up to 5.4 m³/h	2072246	298.00	H40
2" up to 8.2 m³/h	2072247	337.00	H40

Note: WOLF recommends a micro-bubble separator in the heating flow for effective removal of air and micro-bubbles.



THERMAL INSULATION

For dirt trap incl. magnetite separator

1"	1669270	85.00	H40
1¼" / 1½"	1669271	85.00	H40
2"	1669272	82.00	H40



SLUDGE SEPARATOR, ROTATABLE

- Rotatable version for flexible use on the construction site
- With extra powerful removable magnet
- Incl. sludge tap and removable housing base for easy maintenance

To protect the unit and the high-efficiency pump from dirt / sludge and magnetite a sludge separator with magnetite separator must be installed in the heating return.

WOLF recommends for the effective removal air bubbles and microbubbles, WOLF recommends a microbubble separator in the heating flow.

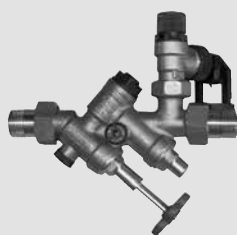
1" till 2,1m³/h	2075008	268.00	H40
1¼" till 3,5m³/h	2075009	376.00	H40
1½" bis 5,4m³/h	2075010	432.00	H40



HEAT INSULATION

for sludge separator (rotatable) incl. magnetite separator

1"	1669602	85.00	H40
1¼"	1669603	85.00	H40
1½"	1669604	85.00	H40



SAFETY ASSEMBLY

Brass, DVGW component tested, with enlarged outlet for hot water storage tanks, according to DIN 4753 and DIN 1988,

consisting of: 2 shut-off valves, 1. shut-off valve with test screw and backflow preventer (removable), 2. shut-off valve with both Pressure gauge connection $\frac{3}{4}$ " without pressure gauge, safety valve set to 10 bar, exchangeable safety valve insert, drain funnel 1", screw connections

$\frac{3}{4}$ " connection	Cold/hot water	2796175	147.00	H40
1" connection	Cold/hot water	2796176	156.00	H40



PIPE ASSEMBLY FOR HEATING CIRCUIT

consisting of:

High-efficiency pump (EEI < 0.20) self-regulating,

wired with cable ready to plug in,
Ball valves with thermometer in flow and return, gravity brake without overflow valve
Design thermal insulation shells made of EPP,
group completely assembled, hydraulically and electrically tested

Dimensions HxWxD: 384x250x260

Distance between spigots: 125mm

DN25:

Connection flat at the bottom. $1\frac{1}{2}$ " top IG 1" transition screw connection

$\Delta p=150$ mbar at $V=2350$ l/h

at Δt 10K to 27kW,

at Δt 15K to 41kW

at Δt 20K to 55kW

DN32:

Connection flat at the bottom. $1\frac{1}{2}$ " top IG1 $1\frac{1}{4}$ " Transition screw connection

$\Delta p=150$ mbar at $V=3100$ l/h

at Δt 10K to 36kW,

at Δt 15K to 54kW

at Δt 20K to 72kW

DN25-60	2072135	825.00	H40
DN32-60	2072136	895.00	H40

Note: Flow can be easily switched from left to right.

No additional wall retainer required for installation on a manifold.

WOLF

ACCESSORIES BOILERS



PIPE ASSEMBLY FOR HEATING CIRCUIT DN25-60

consisting of:

High efficiency pump (EEI < 0.20) speed controlled,

wired with cable ready to plug in,
Ball valves with thermometer in flow and return, gravity brake without overflow valve
Design thermal insulation shells made of EPP,
group completely assembled, hydraulically and electrically tested

Dimensions HxWxD: 384x250x260

Distance between spigots: 125mm

DN25:

Connection flat at the bottom. 1½"

top IG 1" transition screw connection

Δp=150 mbar at V=2350 l/h

at Δt 10K to 27kW,

at Δt 15K to 41kW

at Δt 20K to 55kW

Note: Flow rate control subject to boiler spread
cannot be used when there are multiple heating
circuits

for product

Art. no.

€

DG

2072137

825.00

H40



PIPE ASSEMBLY FOR SINGLE LINE DN25-60

consisting of:

High-efficiency pump (EEI < 0.20), self-regulating

with cable, ball valves and gravity brake. Design
heat insulation shells made of EPP, group completely
assembled, hydraulically and electrically
tested;

dimensions HxWxD: 384x200x250

max. permissible operating pressure 10bar

DN25:

Connection flat at the bottom. 1 1/2"

top IG 1" transition screw connection

Δp=150 mbar at V=2350 l/h DN25-60

at Δt 10K to 27kW

at Δt 15K to 41kW

at Δt 20K to 55kW

2072141

665.00

H40



PIPE ASSEMBLY FOR CIRCUIT WITH MIXER

consisting of:

High-efficiency pump (EEI < 0.20) self-regulating,

mounted mixer motor, both wired with cable ready to plug in, drip-proof at zero position, ball valves with thermometer in flow and return, gravity brake without overflow valve
Design thermal insulation shells made of EPP, group completely assembled, hydraulically and electrically tested

Dimensions HxWxD: 384x250x260

Distance between spigots: 125mm

DN25:

3-way brass mixer kvs=10

Connection flat at the bottom. 1½"

Above IG 1" transition screw connection, adjustable bypass

Δp=150 mbar at V=2200 l/h

at Δt 10K to 26kW

at Δt 15K to 38kW

at Δt 20K to 51kW

DN32:

3-way brass mixer kvs=18

Connection flat at the bottom. 1½"

top IG1 1¼" Transition screw connection

Δp=150 mbar at V=3000 l/h

at Δt 10K up to 35kW

at Δt 15K to 52kW

at Δt 20K to 70kW

DN25-60

2072139

1165.00

H40

DN32-60

2072140

1230.00

H40

Note: Flow can be easily switched from left to right.

No additional wall retainer required for installation on a manifold.

MM-2 mixer module can be integrated.



MANIFOLD

with thermally separated supply and return
Design thermal insulation shells made of EPP.
Distributor can be rotated or moved through 3 boiler-side connection pipes for adaptation to the heating circuit side flow, wall bracket included

Dimensions HxWxD: 168x500/750x140

Distance between spigots: 125mm

Connection flat at the bottom. 1½"

flat sealing at the top with union nut 11/2

kvs=12,5 / Vmax.=4500 l/h

Δp=130 mbar at V=4500 l/h

Δp=40 mbar at V=2500 l/h

2 heating circuits or circuits with mixer

2072197

314.00

H40

3 heating circuits or circuits with mixer

2072198

464.00

H40

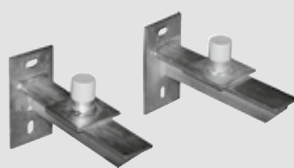
WOLF

ACCESSORIES BOILERS

	for product	Art. no.	€	DG
	WALL RETAINER KIT For heating/mixer circuit pipe assemblies For quick and safe installation of pipe assemblies.			
	For DN25 heating circuits or circuits with mixer For DN32 heating circuits or circuits with mixer	2072199 2072200	33.40 33.40	H40 H40
Note: Not required if the pipe assemblies are installed on the manifold.				
	WALL RETAINER KIT FOR PIPE ASSEMBLY FOR SINGLE LINE For quick and secure installation of the pipe assembly	2072201	33.40	H40
	CROSS-PIECES FOR FREE COMBINATIONS Consisting of: 2 cross-pieces for each 1x flat gasket flange with 1½" union nut and 4x flat gasket male threads 1½", 4 sealing caps with gaskets.	boilers	2012072	85.00 H40
	TEES FOR FREE COMBINATIONS Consisting of: 2 tees for each 1x flat gasket flange with 1½" union nut and 2x flat gasket male threads 1½", 1 sealing cap with gasket.	boilers	2012073	64.00 H40
	THREADED ADAPTOR FITTING Freely combinable, 1x flat gasket flange with 1½" union nut and 1x with 1" female thread; also for 1¼" und 1½" welded connection. [1 set = 2 pce]	gas heaters 35-50kW, boiler, BWL-1	2410068	27.00 H40
	THREADED ADAPTOR FITTING Freely combinable, 1x flat gasket flange with 1½" union nut and 1x with 1" female thread. [1 set = 2 pce]	All boilers, CGB-35, CGB-50, CGB-K40-35	2012074	25.80 H40
	THREADED ADAPTOR FITTING Freely combinable, 1x flat gasket flange with 1½" union nut and 1x with 1¼" male thread. [1 set = 2 pcs]	BWS-1 / BW-1, all boilers	2012086	28.70 H40
	HEATING DISTRIBUTOR FOR 3 HEATING CIRCUITS with connection for safety group and Hot water tank Nozzle distance 200mm, Connections above 1½", below 2".	Boilers up to 120kW [up to 50kW, see page 37]	2020103	440.00 H40
	THERMAL INSULATION SHELLS Suitable for heating distributor with 3 heating circuits	Boilers [up to 120kW up to 50kW, see page 37]	1620103	369.00 H40

WOLF

ACCESSORIES BOILERS



WALL MOUNTING BRACKET

Suitable for heating distributor with 3 heating circuits

for product

Art. no.

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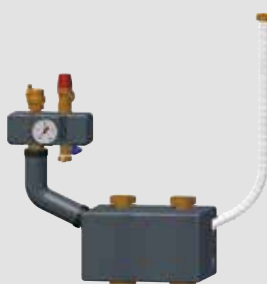
DG

Boilers up to 120kW
(up to 50kW, see page 37)

2020201

118.00

H40



HYDRAULIC SEPARATION

For hydraulic separation of a floor heating circuit from the remaining parts of the heating system.

Boiler,

2072202

780.00

H40

consisting of:
a plate heat exchanger, connection fittings, manual air vent, a corrugated tube hose, a cap valve, a safety group with connection pipe, seals and Design thermal insulation shells made of EPP;

Transition capacity primarily 70/50°C,
secondary 25/35°C.....25kW
max. permissible operating overpressure 10 bar
max. permissible operating temperature 110°C
kvs-value: 4,3
distance between spigots: 125mm, overall height: 130mm

For system separation in conjunction with a Boilers should have the following accessories for the primary circuit or the secondary circuit is used will be:

Primary circuit (boiler circuit)

Piping group Mixer circuit
with high-efficiency pump DN25-60 [EEI <0.20].
self-regulating [art.no.2072139]

Secondary circuit (heating circuit)

Piping group heating circuit for system separation
with high-efficiency pump DN26-60 [EEI < 0.20],
self-regulating [Art.No.2072138]



SECONDARY CIRCUIT (HEATING CIRCUIT)

Piping group heating circuit for
System separation with high efficiency pump
DN25-60 [EEI < 0.20], self-regulating
Distance between spigots: 125mm

Boiler, Gas boiler

2072138

1035.00

H40

WOLF

ACCESSORIES BOILERS



PIPE ASSEMBLY FOR HEATING CIRCUIT, DN40-50

for product

Art. no.

€

DG

MGK-2

2072049

3115.00

H40

For connecting a heating circuit to a boiler; nominal output range up to 210 kW

consisting of:

Wilo-Stratos high-efficiency pump (EEI < 0.20), electronically controlled,
Overall length 220mm; 2 stopcocks with thermometer to display the flow and return temperature, return ball valve with integrated stop valve to prevent faulty circulation, pump ball valve, fill and drain valve in flow and return, connection on top Rp 2", connection on bottom G 2" AG; delivery head 8m; incl. design thermal insulation shells made of EPP Applicable in the range -10 °C to +110 °C. With integrated electronic capacity control for constant/variable differential pressure. This piping group enables the heating line to be shut off on the flow and return side and the pump to be replaced when the system is full. Flow on the left. Flow and return can be changed individually.

Application area: $\Delta p = 110$ mbar at $V = 9,300$ l/h;

at $\Delta T = 10$ K up to 105 kW

at $\Delta T = 15$ K up to 160 kW

at $\Delta T = 20$ K up to 215 kW

kvs-value: 29,4

Dimensions:

W x H x D: 428 x 850 x 335mm

centre distance: 180mm

Distance between spigots: 180mm

max. permissible operating pressure 10bar



PIPE ASSEMBLY FOR CIRCUIT WITH MIXER, DN40-50

MGK-2

2072050

3715.00

H40

For connecting a mixer circuit to a boiler; nominal output range up to 185 kW

consisting of:

Wilo-Stratos high-efficiency pump (EEI < 0.20), electronically controlled,
Overall length 220mm; 2 stopcocks with thermometer to display the flow and return temperature, return ball valve with integrated stop valve to prevent faulty circulation, pump ball valve, fill and drain valve in flow and return, connection on top Rp 2", connection on bottom G 2" AG; delivery head 8m; incl. design thermal insulation shells made of EPP Applicable in the range -10 °C to +110 °C. With integrated electronic power control for constant/variable differential pressure Mixer/actuator: 230 V, 90° / 140 sec, 15 Nm, protection class II (double insulated), power input 2.5 W, cable connection length 2.2 m The piping group enables the heating line to be shut off on the flow and return side and the pump to be replaced when the system is full. Flow on the left. Flow and return can be changed individually.

Application area: $\Delta p = 110$ mbar at $V = 8,000$ l/h;

at $\Delta T = 10$ K up to 90kW

at $\Delta T = 15$ K up to 138kW

at $\Delta T = 20$ K up to 185kW

kvs-value: 25,2

Dimensions: W x H x D: 428 x 850 x 335mm

distance between sockets: 180 mm

max. permissible operating pressure: 10bar


PLUG-IN MODULE, WILO-STRATOS HEATING CIRCUIT PUMP

For pipe assembly DN4-5

for product

Art. no.

€

DG

MGK-2

2745823

223.00

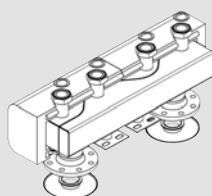
H40

Functions:
Input for floating NC contact

- Contact closed: Pump running in control mode.
- Contact open: Pump not running.

-1 V control input identified by:

- Remote set value adjustment: Differential pressure control on the pump is enabled. The set value for the differential pressure is determined by a -1 V analogue voltage.
- Remote speed adjustment: Differential pressure control on the pump is disabled. The pump operates as an actuator with constant speed, which is determined by a voltage of -1 V.


DISTRIBUTOR DN 40-50 FOR 2 HEATING OR MIXING CIRCUIT

DN40-50 for 2 heating or mixing circuits in compact design for the combination, resp. accommodation of 2 piping groups DN40-50, for the connection to a heating circuit or mixer circuit with a boiler; bottom flanges DN 80/PN 10; top flat sealing G 2" with union nut; drain connection 1/2" with plug; two console flanges; flow rate up to 18 m³/h

MGK-2

2072061

1310.00

H40

consisting of:

Distribution pipe made of steel black, primed, heat insulation shells made of polyurethane hard foam.

kvs = 8800; 420 kW at $\Delta t = 20\text{ K}$

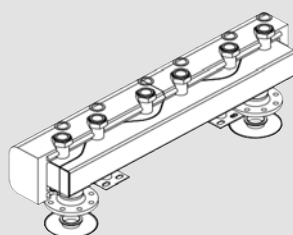
$\Delta p = 9\text{ mbar}$ at $V=18\text{ m}^3/\text{h}$

$\Delta p = 4\text{ mbar}$ at $V=10\text{ m}^3/\text{h}$

Dimensions: W x H x D: 860 x 220 x 300mm

Distance between spigots 180mm

max. permissible operating pressure 6bar


MANIFOLD

DN40-50 for 3 heating or mixing circuits in compact design for the combination, resp. accommodation of 3 piping groups DN40-50, for connection to a heating circuit or mixer circuit with a boiler; bottom flanges DN 80/PN 10; top flat sealing G 2" with union nut; drain connection 1/2" with plug; two console flanges; flow rate up to 18 m³/h.

MGK-2

2072062

1830.00

H40

consisting of:

Distribution pipe made of steel black, primed, heat insulation shells made of polyurethane hard foam.

kvs = 8800; 420 kW at $\Delta t = 20\text{ K}$

$\Delta p = 9\text{ mbar}$ at $V=18\text{ m}^3/\text{h}$

$\Delta p = 4\text{ mbar}$ at $V=10\text{ m}^3/\text{h}$

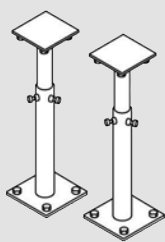
Dimensions: W x H x D: 1290 x 220 x 300mm

Distance between spigots 180mm

max. permissible operating pressure 6bar

WOLF

ACCESSORIES BOILERS



UPRIGHT SUPPORT KIT DN 40-50 for manifold

infinitely adjustable in height.

for product

Art. no.

€

DG

consisting of:
two stand consoles, sound insulation panels
and fixing material.

materials:

- Stand console: galvanised steel;
- Sound insulation board: foam rubber



3-WAY MIXER

DN20, Kvs 6.3

2744673

79.00

H40

DN25, Kvs 10

2744674

85.00

H40

DN32, Kvs 16

2744675

90.00

H40

DN40, Kvs 25

2744676

129.00

H40

DN50, Kvs 40

2744677

132.00

H40

4-WAY MIXER

DN20, kvs 6,3

8908809

97.00

H40

DN25, kvs 10

8908810

102.00

H40

DN32, kvs 16

8908811

109.00

H40

DN40, kvs 25

8908812

140.00

H40

DN50, kvs 40

8908813

167.00

H40



MIXER MOTOR 230 V~/50 HZ, 6 NM

All boilers, gas heaters,

2269715

261.00

H40

For 3-way mixing valve and 4-way mixing valve,
fully wired, 120 sec, 90° DN20 - DN50

BWL-1/BWS-1/BWW-1



MINIMUM PRESSURE LIMITER [individually tested]

All boilers

2400400

780.00

H40

Consisting of:
Adjustable pressure limiter, pressure gauge,
distributor tube and drain valve



MAXIMUM PRESSURE LIMITER [individually tested]

All boilers

2400401





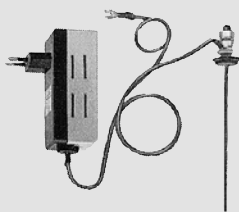

805.00

H40

Consisting of:
Adjustable safety pressure limiter [1.2-6 bar],
pressure gauge, distributor tube and drain valve

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ACCESSORIES BOILERS

	for product	Art. no.	€	DG
	MAXIMUM PRESSURE LIMITER Setting range: 1 to 10 bar	MGK-2	2483283	735.00 H40
	LOW WATER INDICATOR (Individually tested)	All boilers	2791200	220.00 H40
	ADAPTOR CABLE For connecting minimum pressure limiter, maximum pressure limiter, low water indicator	All boilers	8852822	99.00 H40
	IMPRESSED CURRENT ANODE	TS-160, TR-160, CGS-2	2483556	269.00 H46
	IMPRESSED CURRENT ANODE			
	For stainless steel cylinder including handhole cover	CB / FB	8810101	346.00 H46
	For enamelled cylinder	SE-2, CSZ-2, SEM-1, SEM-2	2445000	257.00 H46
	MAXIMUM THERMOSTAT For underfloor heating For switching off the heating circuit pump if the set temperature is exceeded.	boilers, gas heaters	2791905	60.00 H41
	EXPANSION VESSELS For heating systems 1.5 bar pre-charge pressure, 90°C flow temperature			
	25 l for heating systems up to 235 l	2400450	83.00	H40
	35 l for heating systems up to 320 l	2400455	91.00	H40
	50 l for heating systems up to 470 l	2400458	118.00	H40
	80 l for heating systems up to 750 l	2400462	161.00	H40
	100 l for heating systems up to 850 l	2400470	317.00	H40
	140 l for heating systems up to 1210 l	2400471	376.00	H40
	200 l Sizing according to heating system	2400472	452.00	H40

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ACCESSORIES BOILERS



EXPANSION VESSELS

For heating systems
1.5 bar pre-charge pressure, 90°C flow temperature

Sizing according to heating system

250 l	2400473	640.00	H40
300 l	2400481	760.00	H40
400 l	2483708	1025.00	H40
500 l	2483709	1280.00	H40
600 l	2483713	1945.00	H40



CONNECTION KIT FOR EXPANSION VESSEL

Consisting of: flexible corrugated stainless steel pipe (1 m long), threaded adaptors suitable for heat generator and expansion vessel.

Additionally with cap valve 3/4" - 25-50 l	2012080	135.00	H40
Additionally with cap valve 1" - from 80 l	2012081	190.00	H40



EXPANSION VESSELS

for hot water, flow-through, operating pressure 10 bar, inlet pressure 4 bar, connection 3/4" external thread, incl. installation material.

Content 8 l up to 160 l	2400476	235.00	H40
Content 12 l up to 200 l	2400477	252.00	H40
Content 18 l up to 500 l	2400478	269.00	H40

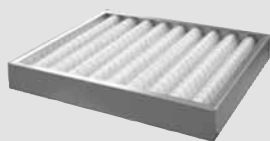
Note: Only in conjunction with diaphragm safety valve, 10 bar response pressure



DHW EXPANSION VESSEL KIT

consisting of:
Expansion tank 8 ltr. (4 bar inlet pressure, 10 bar operating pressure), piping cold water connection, 2 double nipples 3/4", shortening set 3/4"

TS-160, TS-160	8905747	258.00	H40
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SUPPLY AIR FILTER

To prevent burner contamination

MGK-2	8751390	122.00	H40
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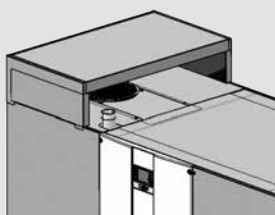
BASE CASING

For encasing the boiler plinth on all sides

MGK-2-390-630	8751897	417.00	H40
MGK-2-800/1000	8752603	499.00	H40

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ACCESSORIES BOILERS



SILENCER HOOD

For additional noise reduction of approx. 6 dB(A)
in open flue operation

for product	Art. no.	€	DG
MGK-2-390-630	8752035	795.00	H40
MGK-2-800/1000	8752679	905.00	H40

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ACCESSORIES BOILERS

STAINLESS STEEL PLATE HEAT EXCHANGER FOR HYDRAULIC SEPARATION INCL. INSULATING HOOD AND BASE FIXING

consisting of:

- copper brazed plate heat exchanger
- Mounting set
- ISO insulation bonnet with aluminium sheet metal housing with mineral wool insulation and quick release fasteners

Design for temperature conditions

- primary 85°C/65°C
- Secondary 60°C/75°C
- max. operating pressure 10bar
- max. operating temperature 110°C



Output type kW	Height x Width m ²	Pressure drop pri- mary / secondary kPa	Connections primary / secondary	Art. no.	€	DG
15	313 x 113	3 / 6	G 1" / G 1"	2071884	409.00	H42
25	313 x 113	3 / 6	G 1" / G 1"	2071885	461.00	H42
35	313 x 113	3 / 6	G 1" / G 1"	2071886	515.00	H42
50	313 x 113	7 / 10	G 1" / G 1"	2071887	560.00	H42
75	313 x 113	7 / 10	G 1" / G 1"	2071888	620.00	H42
100	313 x 113	7 / 10	G 1" / G 1"	2071889	720.00	H42
120	313 x 113	8 / 14	G 1" / G 1"	2071890	835.00	H42



Output type kW	Height x Width m ²	Pressure drop pri- mary / secondary kPa	Connections primary / secondary	Art. no.	€	DG
200	616 x 191	12 / 19	G 2" / G 2"	2074841	1795.00	H42
280	616 x 191	12 / 19	G 2" / G 2"	2074842	2215.00	H42
320	616 x 191	12 / 19	G 2" / G 2"	2074843	2345.00	H42



Output type kW	Height x Width m ²	Pressure drop pri- mary / secondary kPa	Connections primary / secondary	Art. no.	€	DG
400	611 x 242	8,0 / 14	G 2½" / G 2½"	2071896	2520.00	H42
450	611 x 242	9,2 / 15	G 2½" / G 2½"	2071897	2975.00	H42
500	611 x 242	8,5 / 14,4	G 2½" / G 2½"	2071898	3185.00	H42
600	611 x 242	8,7 / 14,9	G 2½" / G 2½"	2071899	3935.00	H42
730	611 x 242	8,0 / 15,0	G 2½" / G 2½"	2071900	4480.00	H42
870	611 x 242	8,0 / 15,0	G 2½" / G 2½"	2071901	5330.00	H42
1020	611 x 242	8,9 / 14,4	G 2½" / G 2½"	2071902	5760.00	H42



Output type kW	Height x Width m ²	Pressure drop pri- mary / secondary kPa	Connections primary / secondary	Art. no.	€	DG
1180	1180 x 474	8,5 / 14,0	DN 100 - PN 16 *	2071903	9185.00	H42

* Part no. 2071903 contains mating flanges [special flanges] as part of the standard delivery.

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ACCESSORIES BOILERS



CONNECTION KIT FITTINGS FOR PLATE HEAT EXCHANGER

1 set = 4 pce

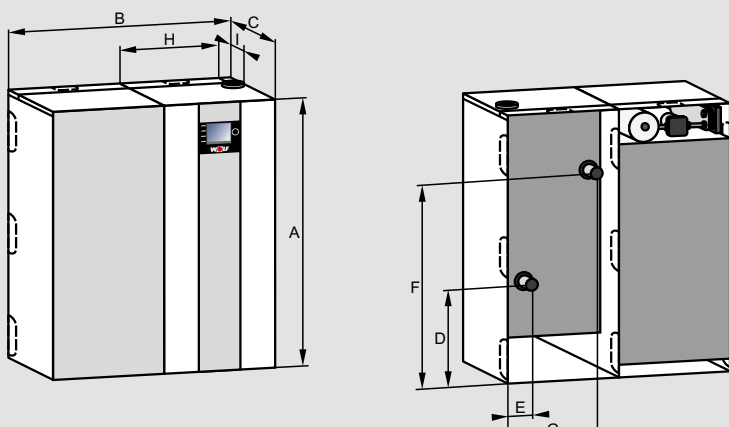
	for product	Art. no.	€	DG
Welding connection [St 52-3] 1"	SL32 - ... up to 120kW	2071945	82.00	H42
Welding connection [St 52-3] 2"	up to 320kW	2071946	180.00	H42
Welding connection [St 52-3] 2½"	up to 1020kW	2071947	214.00	H42
Threaded connection [brass, male thread] 1"	up to 120kW	2071984	82.00	H42
Threaded connection [brass, male thread] 2"	up to 320kW	2071985	174.00	H42
Threaded connection [brass, male thread] 2½"	up to 1020kW	2071986	214.00	H42

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TECHNICAL DATA

OIL CONDENSING BOILER

TOB + Cylinder



TYP	TOB TOB-TS TOB-TR	18	- 18	- 18
Energy efficiency class Space heating		A	A	A
Energy efficiency class hot water preparation		-	A	A
Min./max. rated heating output at 80/60 °C	kW	6,3 / 17,7	6,3 / 17,7	6,3 / 17,7
Min./max. rated heating output at 50/30 °C	kW	6,6 / 18,6	6,6 / 18,6	6,6 / 18,6
Min./max. rated input	kW	6,4 / 18,1	6,4 / 18,1	6,4 / 18,1
Min./max. oil throughput	kg/h	0,53 / 1,52	0,53 / 1,52	0,53 / 1,52
Nominal capacity / equivalent Nominal capacity of the storage tank	L	-	160 / 200	152
continuous storage capacity	kW / L/h	-	18 / 440	18 / 420
performance indicator	NL60	-	4	1,9
Hot water output power	L/10min	-	270	170
standby energy demand	kWh/24h	-	1,09	1,35
Height	A mm	-	1290	1290
Width	B mm	-	1132	1132
Depth	C mm	-	605	605
Heating return	D mm	-	426	426
Heating return	E mm	-	194	194
Heating flow	F mm	-	919	919
Heating flow	G mm	-	516	516
Air/flue pipe connection	H mm	-	462	462
Air/flue pipe connection	I mm	-	203	203
Air/flue pipe diameter				
Air/flue pipe diameter	mm	80/125	80/125	80/125
Air/flue gas duct		B23p, B33p, C33(x), C43(x), C53(x), C63(x), C83(x), C93(x)		
Heating flow/return outside Ø	G	1½"	1½"	1½"
Condensate connection		1"	1"	1"
Fuel oil to DIN 51603-1/6		Heating oil EL Standard, heating oil EL low sulphur or bio-oil B10		
Nozzle *		Stones-WOLF 0,25 / 60° MST		
Fuel oil filter		Opticlean 5 - 20 µm		
Min./max. pump pressure	bar	3,5 / 23	3,5 / 23	3,5 / 23
Maximum negative pressure in oil line	bar	0,3	0,3	0,3
Flow temperature, factory setting	°C	80	80	80
Max. flow temperature	°C	90	90	90
Heating water pressure drop [at Δt = 20 K / 10 K]	mbar	7 / 20	7 / 20	7 / 20
Max. permissible boiler pressure	bar	3	3	3
Heat exchanger water capacity	L	7,5	7,5	7,5
Standard seasonal efficiency [to DIN] at 40/30 °C [net cv/ross cv]	%	105 / 99	105 / 99	105 / 99
Standard seasonal efficiency [to DIN] at 75/60 °C [net cv/gross v]	%	102 / 97	102 / 97	102 / 97
Efficiency at rated load at 80/60 °C [net cv/gross cv]	%	98 / 92	98 / 92	98 / 92
Efficiency at 30 % partial load and TR = 30 °C [net cv/gross cv]	%	105 / 99	105 / 99	105 / 99
Boiler standby loss qB at 70 °C [EnEV]	%	0,75	0,75	0,75
Max. rated heat input				
Flue gas mass flow rate	g/s	7,02	7,02	7,02
Flue gas temperature 50/30 - 80/60 °C	°C	44 - 61	44 - 61	44 - 61
Available fan draught	Pa	70	70	70
Lowest heat input min.				
Flue gas mass flow rate	g/s	2,44	2,44	2,44
Flue gas temperature 50/30 - 80/60 °C	°C	32 - 50	32 - 50	32 - 50
Available fan draught	Pa	20	20	20

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TECHNICAL DATA

TYP	TOB TOB-TS TOB-TR	18	- 18	- 18
Max. amount of condensate at 40/30 °C		1,4	1,4	1,4
Condensate pH value		ca. 3	ca. 3	ca. 3
Weight device	kg	92	92	92
Boiler weight TS // TR	kg	-	76	76
IP rating	IP	IP20	IP20	IP20
Integral fuse (medium slow)	A	4	4	4
Min./max. power consumption	W	23 / 101	23 / 101	23 / 101
Power consumption on standby	W	3	3	3
Electrical connection		1 ~ NPE / 230 VAC / 50 Hz / 10 A / B		
CE designation		CE-0085C00305		

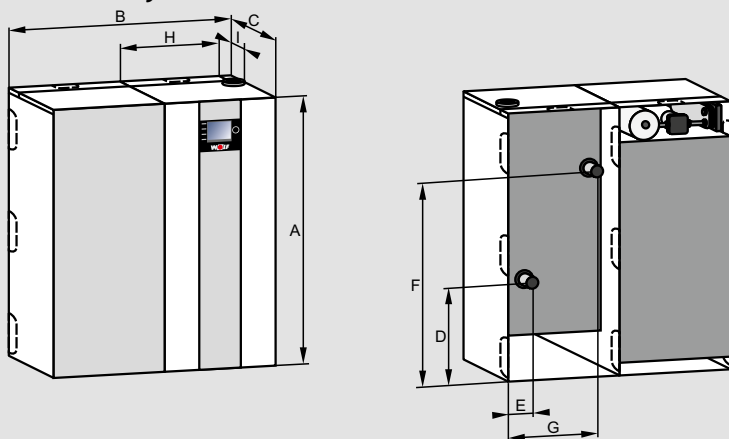
* with these nozzles meet the emission requirements of the standard and ensure reliable operation.
Other nozzles are not permitted!

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TECHNICAL DATA

ÖLBRENNWERTKESSEL

COB-2 + Cylinder



TYP		COB-2	15	20	29	40
		COB-2-TS	15	20	29	-
		COB-2-TR	15	20	29	-
Energy efficiency class Space heating			A	A	A	A
Energy efficiency class hot water preparation			A	A	A	-
Rated heating output at 80/60 °C, stage 1/2	kW		9,2 / 14,7	13,4 / 19,5	18,9 / 28,8	27,4 / 38,5
Rated heating output at 50/30 °C, stage 1/2	kW		9,6 / 15,4	13,4 / 19,5	19,9 / 30,4	28,7 / 40,4
Rated input, stage 1/2	kW		9,2 / 14,7	13,5 / 19,6	19,0 / 29,0	27,5 / 38,7
Oil throughput stage 1/2	kg/h		0,78 / 1,24	1,14 / 1,65	1,60 / 2,44	2,32 / 3,26
Nominal capacity* TS [equivalent] // TR	L		160 [200]//152	160 [200]//152	160 [200]//152	-
Continuous storage power* TS // TR	kW / L/h		15/370//15/324	20/490//20/490	29/710//29/612	-
Key performance indicator* TS // TR	NL60		3,5 // 1,7	4,5 // 2	5,0 // 2,2	-
Hot water output* TS // TR	L/10min		250 // 162	280 // 180	300 // 182	-
Standby effort* TS // TR	kWh/24h		1,09 // 1,35	1,09 // 1,35	1,09 // 1,35	-
Max. permissible cold water connection pressure* TS // TR	bar		10 // 10	10 // 10	10 // 10	-
Min. anode current Magnesium anode protection*	mA		> 0,3	> 0,3	> 0,3	-
Height	A mm		1290	1290	1290	-
Width	B mm		1132	1132	1132	-
Depth	C mm		605	605	605	-
heating return	D mm		426	426	426	-
heating return	E mm		194	194	194	-
Heating flow	F mm		919	919	919	-
Heating flow	G mm		516	516	516	-
Air/flue pipe connection	H mm		462	462	462	-
Air/flue pipe connection	I mm		203	203	203	-
Heating flow outside Ø	G		1½"	1½"	1½"	1½"
Heating return outside Ø	G		1½"	1½"	1½"	1½"
condensate connection			1"	1"	1"	1"
Oil connection flow/return hoses	G		3/8"	3/8"	3/8"	3/8"
Cold water inlet*	G		3/4"	3/4"	3/4"	-
Hot water connection*	G		3/4"	3/4"	3/4"	-
Circulation connection*	G		3/4"	3/4"	3/4"	-
Air/flue pipe diameter	mm		80/125	80/125	80/125	110/160
Air/flue pipe connection	Typ		B23, B33, C33(x), C43(x), C53(x), C63(x), C83(x), C93(x)			
Fuel oil to DIN 51603-1/6			Heating oil EL Standard, heating oil EL low sulphur or bio-oil B10			
Nozzle *	Danfoss		0,30 / 80° S	0,35 / 60° S	0,45 / 80° S	0,55 / 80° S
Fuel oil filter			Siku max. 40µm			
Pump pressure stage 1/2	bar		5 / 13,5	8,5 / 17	9,8 / 24	14 / 25
Max. permissible negative pressure in the oil line	bar		-0,3	-0,3	-0,3	-0,3
Factory setting Flow temperature	°C		80	80	80	80
Max. flow temperature	°C		90	90	90	90
Heating water pressure drop at Δt = 20 K / 10 K	mbar		3,6 / 12	6 / 21	17 / 55	54 / 205
Max. permissible boiler pressure	bar		3	3	3	3
Heat exchanger water capacity	L		7,5	7,5	9	11,5
Standard efficiency at 40/30 °C (Hi / Hs)	%		105 / 99	105 / 99	105 / 99	104 / 98
Standard efficiency at 75/60 °C (Hi / Hs)	%		100 / 95	101 / 96	101 / 96	98 / 93
Efficiency at rated load at 80/60 °C [net cv/gross cv]	%		99,7 / 94,1	99,5 / 93,9	99,6 / 94,0	99,5 / 93,9
Efficiency at 30 % partial load and TR = 30 °C [net cv/gross cv]	%		104,7 / 98,8	104,1 / 98,2	104,7 / 98,8	104,3 / 98,4
Boiler standby loss qB at 70 °C [EnEV]	%		0,75	0,75	0,55	0,45
Exhaust gas mass flow stage 2	g/s		6,45	9,06	13,33	17,51
Flue gas temperature 50/30 - 80/60 °C Stage 2	°C		40 - 63	49 - 69	55 - 76	56 - 83
Available delivery pressure of blower stage 2	Pa		65	65	105	150
Exhaust gas mass flow stage 1	g/s		4,04	6,28	9,05	10,91
Flue gas temperature 50/30 - 80/60 °C Stage 1	°C		35 - 55	40 - 61	40 - 64	43 - 68
Available delivery pressure of blower stage 1	Pa		32	45	55	72

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TECHNICAL DATA

TYP		COB-2	15	20	29	40
		COB-2-TS	15	20	29	-
		COB-2-TR	15	20	29	-
Amount of condensate at 40/30 °C	L/h		1,2	1,6	2,2	2,8
Condensate pH value			ca. 3	ca. 3	ca. 3	ca. 3
Weight boiler	kg		92	92	99	122
Weight cylinder* TS // TR	kg		76 // 76	76 // 76	76 // 76	-
Electrical connection	V~/Hz		230/50	230/50	230/50	230/50
Built-in fuse (medium delay)	A		4	4	4	4
Electrical power consumption stage 1 / stage 2	W		88 / 128	92 / 128	111 / 176	127 / 209
IP rating			IP20	IP20	IP20	IP20
CE designation			CE-0085CT0160			

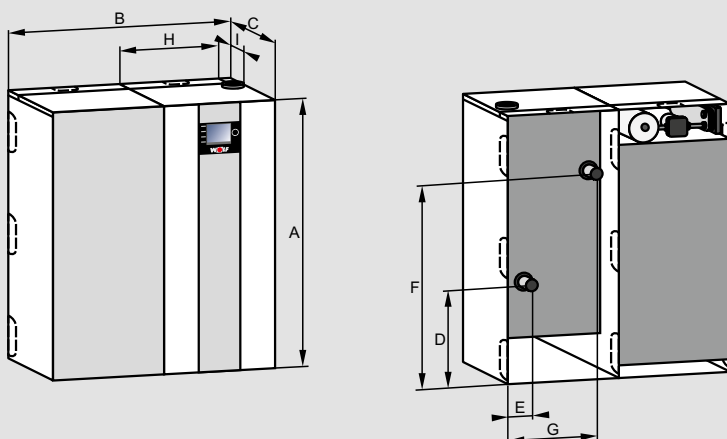
* Only for oil condensing boilers with TS / TR storage tank

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TECHNICAL DATA

GAS CONDENSING BOILER

TGB-2-20-30



TYP	TGB-2 TGB-2-TS TGB-2-TR	20 20 20	30 30 30
Nominal heat output at 80/60°C	kW	17	26,9
Nominal heat output at 50/30°C	kW	19,6	30,2
Nominal heat load	kW	17,7	28,2
Lowest heat output (mod. at 80/60):			
Natural gas	kW	2,9	5,0
Liquid gas	kW	4,6	4,6
Smallest heat output (mod. at 50/30):			
Natural gas	kW	3,3	5,8
Liquid gas	kW	5,3	5,3
Smallest heat output (modulating):			
Natural gas	kW	3,0	5,4
Liquid gas	kW	5,0	5,0
Storage nominal capacity [equivalent] TS // TR	L	160 [240] // 152	160 [240] // 152
Duration of storage TS // TR	kW/L/h	20 / 490 // 20 / 432	30 / 740 // 30 / 648
Performance index TS // TR	NL60	4,5 // 2,0	5,0 // 2,2
Hot water output TS // TR	L/10min	280 // 180	300 // 182
Standby consumption TS // TR	kWh/24h	1,09 // 1,185	1,09 // 1,185
Max. permissible cold water connection pressure TS // TR	bar / MPa	10 / 1,0	10 / 1,0
Minimum anode current magnesium protective anode TS//TR	mA	>0,3	>0,3
Cold water inlet TS // TR	G	3/4"	3/4"
Hot water connection TS // TR	G	3/4"	3/4"
Circulation connection TS // TR	G	3/4"	3/4"
Height TS // TR	mm	1290	1290
Width TS // TR	mm	566	566
Depth TS // TR	mm	605	605
Weight TS // TR	kg	76	76
Heating flow outer-Ø	G	1½"	1½"
Heating return outer-Ø	G	1½"	1½"
Waste water connection [condensate]	G	1"	1"
Gas connection	R	½"	½"
Air / exhaust pipe connection	mm	80/125	80/125
Dimensions TGB-2 H/W/D	mm	1290/566/605	1290/566/605
Gas connection value:			
Natural gas E/H [Hi = 9.5 kWh/m³ = 34.2 MJ/m³]	m³/h	1,86	2,97
NATURAL GAS LL [Hi = 8,6 KWH/M³ = 31,0 MJ/M³] 1]	m³/h	2,06	3,28
Liquid gas P [Hi = 12,8 kWh/kg = 46,1 MJ/kg]	kg/h	1,46	2,16
Gas connection pressure			
Natural gas	mbar	20 / 20	20 / 20
Liquid gas	mbar	50 / 50	50 / 50
Factory setting maximum flow temperature	°C	80	80
Max. Total overpressure heating	bar/MPa	3 / 0,3	3 / 0,3
Water content of the heating water heat exchanger	Ltr.	7,5	7,5
Hot water temperature range [adjustable]	°C	15-80	15-80
Nominal heat output:			
Exhaust gas mass flow	g/s	8,0	12,6
Exhaust gas temperature 80/60 - 50/30	°C	63/37	68/45

TYP		TGB-2	20	30
		TGB-2-TS	20	30
		TGB-2-TR	20	30
Available delivery pressure of the gas blower	Pa		105	115
Minimum heat load:				
Exhaust gas mass flow	Pa		1,4	2,5
Exhaust gas temperature 80/60 - 50/30	°C		57/30	58/32
Available delivery pressure of the gas blower	Pa		13,0	7,0
Exhaust gas value group according to DVGW G 635			G42	G42
NO class			6	6
Electrical connection	V~/Hz		230/50	230/50
Built-in fuse (medium time-lag) A	A		4	4
Electrical power consumption minimum/maximum/standby W			13/37/3	13/40/3
Protection class			IP20	IP20
Total weight (empty)	kg		89	89
Condensed water volume at 40/30°C	Ltr./h		2,6	4,2
Condensate pH			4	4
CE identification number			CE-0085DL0121	CE-0085DL0121

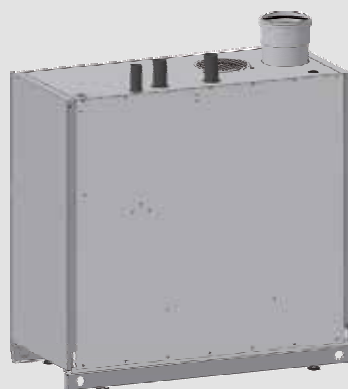
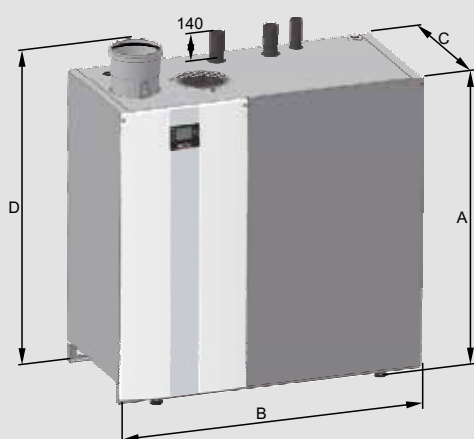
¹⁾ Does not apply to Austria

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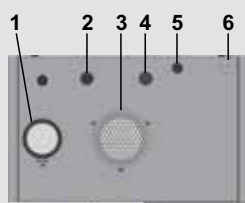
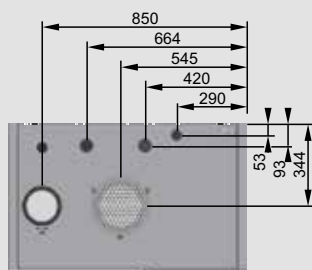
TECHNICAL DATA

GAS CONDENSING BOILER

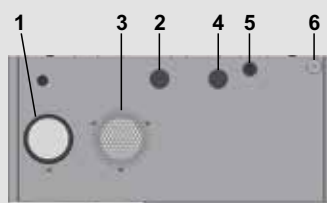
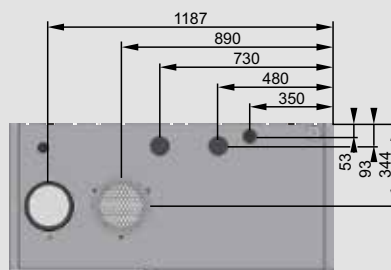
MGK-2-130/170/210/250/300



MGK-2-130



MGK-2-170/210/250/300



- 1 Flue gas pipe connection
- 2 Heating flow
- 3 Combustion air supply
- 4 Heating return flow
- 5 Gas connection
- 6 Cable entry

WOLF

TECHNICAL DATA

Typ	MGK-2	130	170	210	250	300
Rated heating output at 80/60 °C	kW	118	157	196	233	275
Rated heating output at 50/30 °C	kW	126	167	208	250	294
Rated heat input	kW	120	160	200	240	280
Lowest heating output (modulating) at 80/60 °C	kW	23	27	34	39	45
Lowest heating output (modulating) at 50/30 °C	kW	24	30	37	44	49
Lowest heat input (modulating)	kW	23	28	35	41	46
Heat input modulation range	%	19-100	17-100	17-100	17-100	17-100
Efficiency						
η 80/60 at Q _{max}	%	98,1	98	98,1	98	98
η 50/30 at Q _{max}	%	104,1	104,2	104,3	103,9	105,2
η TR30 at 30%	%	107,8	106,9	106,7	106,6	106,8
Height	A mm	1300	1300	1300	1300	1300
Width	B mm	995	1355	1355	1355	1355
Depth	C mm	640	640	640	640	640
Flue diameter	mm	160	160	160	160	200
Combustion air supply ⁴⁾	mm	160	160	160	160	160
Heating flow external diameter	R	1½"	2"	2"	2"	2"
Heating return external diameter	R	1½"	2"	2"	2"	2"
Gas connection	R	1"	1½"	1½"	1½"	1½"
Air/flue gas duct	Typ	B23(P), B33, C33(x), C43(x), C53(x), C63(x), C83, C93(x)				
Gas category						
Germany		II _{2ELL3P}	II _{2ELL3P}	II _{2ELL3P}	II _{2ELL3P}	II _{2ELL3P}
Austria		II _{2H3P}	II _{2H3P}	II _{2H3P}	II _{2H3P}	II _{2H3P}
Switzerland		I _{2H}	I _{2H}	I _{2H}	I _{2H}	I _{2H}
Gas supply details:						
Natural gas (Hi = 9,5 kWh/m ³ = 34,2 MJ/m ³) ³⁾	m ³ /h	13,1	16,8	21	25,2	29,4
Natural gas LL (Hi = 8,6 kWh/m ³ = 31,0 MJ/m ³) ¹⁾	m ³ /h	14,6	18,6	23,3	27,9	32,6
LPG P (Hi = 12,8 kWh/kg = 46,1 MJ/kg) ²⁾	kg/h	9,7	12,5	15,6	18,7	21,8
Gas supply pressure:						
Natural gas E/LL	mbar	20	20	20	20	20
LPG P	mbar	50	50	50	50	50
Water capacity, heating water heat exchanger	Ltr.	12	15,4	16	20	22
Max. permissible boiler pressure	bar	6	6	6	6	6
Max. permissible flow temperature	°C	90	90	90	90	90
Available gas fan draught	Pa	10-200	10-150	10-150	10-150	10-150
Flue gas temperature 80/60 - 50/30 at Q _{max}	°C	65-45	65-45	65-45	65-45	65-45
Flue gas temperature 80/60 - 50/30 at Q _{min}	°C	55-35	55-35	55-35	55-35	55-35
Max. flue gas mass flow rate	g/s	56,7	72,6	90,8	108,9	127,1
Flue gas category to DVGW G 635		G52	G52	G52	G52	G52
Heating water pressure drop with 20 K spread	mbar	95	100	115	135	160
Electrical connection	V~/Hz	1~ NPE / 230VAC / 50Hz				
Integral fuse (medium slow)	A	4	4	4	4	4
Standby power consumption	W	5	5	5	5	5
Power consumption at partial load / full load	W	30 / 240	42 / 258	42 / 291	43 / 326	48 / 350
IP rating		IP20	IP20	IP20	IP20	IP20
Sound pressure level at full load ³⁾	dB(A)	~ 49	~ 54	~ 54	~ 54	~ 54
Total weight (empty)	kg	195	250	271	292	313
Amount of condensate at 40/30 °C	Ltr./h	12	16	20	24	28
Condensate pH value		ca. 4,0	ca. 4,0	ca. 4,0	ca. 4,0	ca. 4,0
CE designation		0085CN0326				

¹⁾ does not apply to Austria / Switzerland

²⁾ does not apply to Switzerland

³⁾ at 1m distance in free field

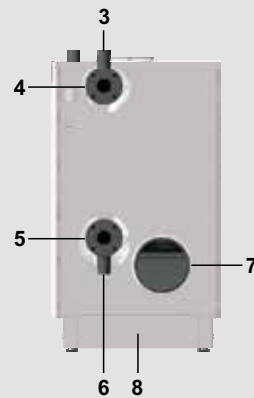
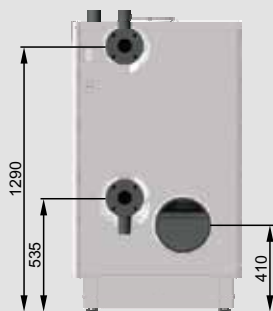
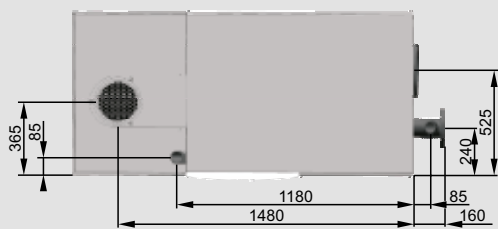
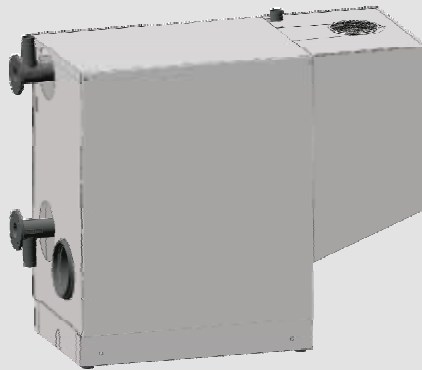
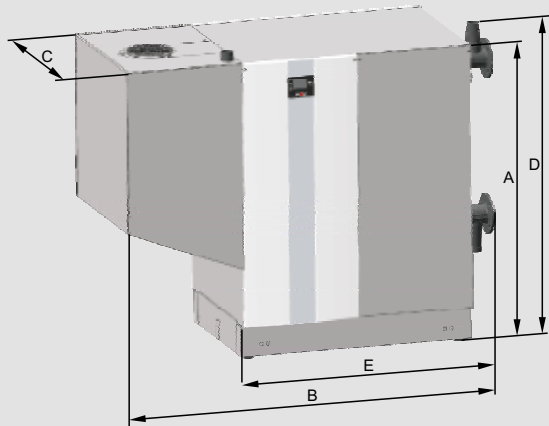
⁴⁾ for room air-independent operation with accessory adapter

WOLF

TECHNICAL DATA

GAS CONDENSING BOILER

MGK-2-390/470/550/630



- 1 Combustion air supply
- 2 Gas connection
- 3 Safety group connection
- 4 Heating flow
- 5 Heating return flow
- 6 KFE valve connection
- 7 Flue pipe connection
- 8 Condensate water drain

WOLF
TECHNICAL DATA

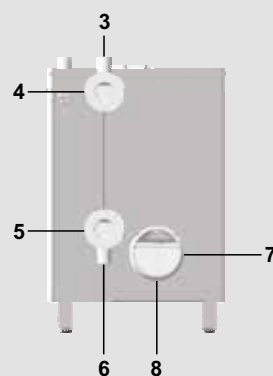
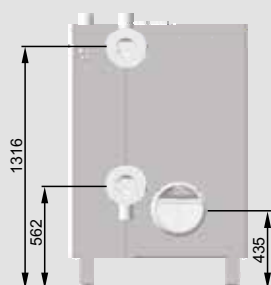
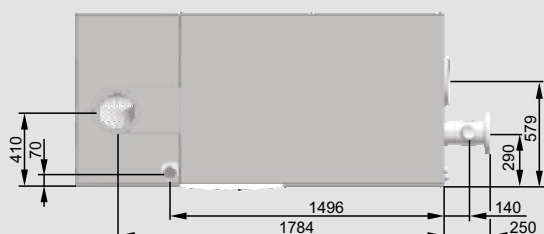
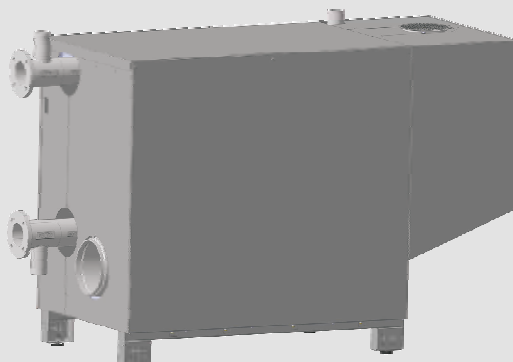
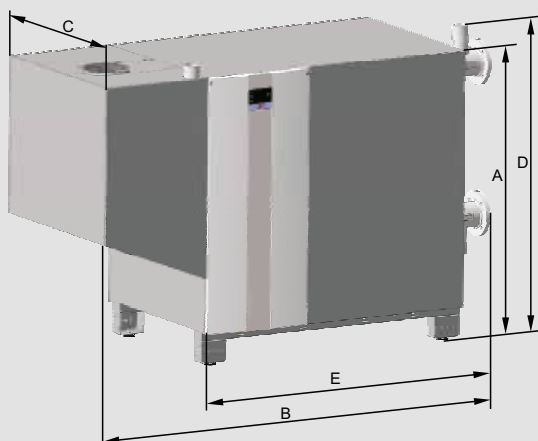
Typ	MGK-2	390	470	550	630
Rated heating output at 80/60 °C	kW	366,7	434,7	511,6	584,4
Rated heating output at 50/30 °C	kW	392	467,1	549,3	626,6
Rated heat input	kW	371,2	443,6	521	593,9
Lowest heating output (modulating) at 80/60 °C	kW	58,5	70,7	84,5	96,7
Lowest heating output (modulating) at 50/30 °C	kW	64,2	78,7	94	106,8
Lowest heat input (modulating)	kW	59,5	73,2	86,8	98,5
Heat input modulation range	%	17-100	17-100	17-100	17-100
Efficiency					
η 80/60 at Q _{max}	%	98,8	98	98,2	98,4
η 50/30 at Q _{max}	%	105,6	105,3	105,4	105,5
η TR30 at 30%	%	107,8	108,9	108,6	107,6
Standard seasonal efficiency [to DIN] at 40 / 30°C	%	109,9	110,1	110,3	110,4
Standard seasonal efficiency [to DIN] at 75 / 60°C	%	106,4	106,4	106,3	106,3
Total height	A/D mm	1420/1460	1420/1460	1420/1460	1420/1460
Total width / width excl. gas/air connection	B/E mm	1860/1295	1860/1295	1860/1295	1860/1295
Total depth / depth excl. casing	C mm	850 / 790	850 / 790	850 / 790	850 / 790
Flue diameter	mm	250	250	250	250
Ventilation air connection	mm	200	200	200	200
Heating flow	DN	80 PN6	80 PN6	80 PN6	80 PN6
Heating return	DN	80 PN6	80 PN6	80 PN6	80 PN6
Gas connection	R	2"	2"	2"	2"
Air/flue gas duct	Typ	B23, B23P, C33, C43, C53, C63, C83, C93			
Gas supply details:					
Natural gas E/H (Hi = 9,5 kWh/m ³ = 34,2 MJ/m ²)		39,1	46,7	54,8	62,5
Natural gas LL (Hi = 8,6 kWh/m ³ = 31,0 MJ/m ³)		43,2	51,6	60,6	69,1
Gas supply pressure: natural gas E/H/LL	mbar	20	20	20	20
Water capacity of the heating water heat exchanger	Ltr.	50	56	62	68
Max. total pressure	bar	6	6	6	6
Max. flow temperature	°C	90	90	90	90
Available delivery pressure of the gas blower	Pa	150	150	150	150
Standstill losses Overtemperature 30 / 50K	%	0,11 / 0,18	0,10 / 0,17	0,09 / 0,15	0,09 / 0,14
Exhaust gas temperature 80/60-50/30 at Q _{max}	°C	65-35	65-35	65-35	65-35
Exhaust gas temperature 80/60-50/30 at Q _{min}	°C	60-30	60-30	60-30	60-30
Max. Exhaust gas mass flow	g/s	156,3	185,2	225,3	247,4
Exhaust gas value group according to DVGW G 635		G 52	G 52	G 52	G 52
Heating water resistance at 20K Spreading	mbar	120	113	126	118
Electrical connection Fuse protection	V~/Hz	1~ NPE / 230VAC / 50Hz / 10A/B alternatively: 3~ NPE / 400VAC / 50Hz / 10A/B			
Output heating circuit pump / ZHP	V~/Hz	1~ NPE / 230VAC / 50Hz / 4A alternatively: 3~ NPE / 400VAC / 50Hz / 4A			
Power consumption [partial load / full load]	W	42 - 410	45 - 490	48 - 580	50 - 660
Power consumption [standby]	W	8	8	8	8
IP rating		IP20	IP20	IP20	IP20
Sound power to EN 15036 Part 1, room sealed	dB(A)	61	66	68	68
Sound pressure level in room, 1 m in front of MGK-2, room sealed ²⁾	dB(A)	44	49	50	50
Sound power to EN 15036 Part 1, open flue	dB(A)	78	82	84	84
Sound pressure level in room, 1 m in front of MGK-2, open flue ²⁾	dB(A)	60	64	65	65
Total weight [empty]	kg	390	420	450	480
Condensate pH value	Ltr./h	39	46	52	59
ph-Wert des Kondensats		ca. 4,0	ca. 4,0	ca. 4,0	ca. 4,0
CE designation		0085CN0326	0085CN0326	0085CN0326	0085CN0326

¹⁾ does not apply for Austria / Switzerland

²⁾ depending on the boundary conditions of the plant such as e. g.: Type/design of the exhaust system, size and condition of the installation room

WOLF TECHNICAL DATA

GAS CONDENSING BOILER MGK-2-800/1000



- 1 Combustion air supply
- 2 Gas connection
- 3 Safety group connection
- 4 Heating flow
- 5 Heating return flow
- 6 KFE valve connection
- 7 Flue pipe connection
- 8 Condensate water drain

TYP	MGK-2	800	1000
Rated heating output at 80/60 °C	kW	700	931
Rated heating output at 50/30 °C	kW	752	1000
Rated heat input	kW	710	942
Lowest heating output (modulating) at 80/60	kW	119	157
Lowest heating output (modulating) at 50/30	kW	133	174
Lowest heat input (modulating)	kW	122	160
Heat input modulation range	kW	17-100	17-100
Efficiency			
80/60 at Q _{max}	%	98,7	98,7
50/30 at Q _{max}	%	106,0	106,0
TR30 at 30%	%	108,8	108,8
Standard seasonal efficiency [to DIN] at 40 / 30°C	%	110,1	110,1
Standard seasonal efficiency [to DIN] at 75 / 60°C	%	106,3	106,3
Total height	mm	1460	1460
Total width	mm	2265 (1700 parted)	2265 (1700 parted)
Total depth / depth excl. casing	mm	970 / 950	970 / 950
Flue diameter	mm	250	250
combustion air supply	mm	200	200
Heating flow	DN	100 PN6	100 PN6
Heating return	DN	100 PN6	100 PN6
Gas connection	R	2,5"	2,5
Air/flue gas duct	Typ	B23, B23P, C43, C53, C63, C83, C93	B23, B23P, C43, C53, C63, C83, C93
Gas category			
Germany		I _{2ELL}	I _{2ELL}
Austria / Switzerland		I _{2H}	I _{2H}
Gas supply details			
Natural gas E/H [Hi = 9,5 kWh/m³ = 34,2 MJ/m³]	m³/h	75,00	99,5
Natural gas LL [Hi = 8,6 kWh/m³ = 31,0 MJ/m³] 1)	m³/h	80,3	106,6
Gas supply pressure: Natural gas E/H/LL	mbar	20	20
Water capacity of the heating water heat exchanger	Ltr.	80,6	92,6
Max. total pressure	bar	6	6
Max. flow temperature	°C	90	90
Available delivery pressure of the gas blower	Pa	200	250
Standstill losses Overtemperature 30 / 50K	%	0,08/0,13	0,06/0,10
Max. flue gas temperature 80/60 - 50/30 at Q _{max}	°C	65-42	65-40
Max. flue gas temperature 80/60 - 50/30 at Q _{min}	°C	62-32	62,32
Max. flue gas mass flow rate	g/s	307	407
Flue gas category to DVGW G 635		G52	G52
Heating water pressure drop with 20 K spread	mbar	127	123
Electrical connection	V~/Hz	3 ~NPE/400 VAC/50 Hz 1~NPE/230 VAC/50Hz/7A alternatively: 3~NPE/400VAC/50Hz/7A	
Output heating circuit pump / ZHP	V~/Hz		
Power consumption (partial load / full load)	W	50/850	60-1835
Power consumption (standby)	W	8	11
IP rating		IP20	IP20
Sound power to EN 15036 Part 1, room sealed	dB[A]	67,7	73,3
Sound pressure level in room, 1 m in front of MGK-2, room sealed ²⁾	dB[A]	65-70	70-75
Sound power to EN 15036 Part 1, open flue	dB[A]	85,1	83,5
Sound pressure level in room, 1 m in front of MGK-2, open flue ²⁾	dB[A]	82-87	80-85
Total weight (empty)		625	680
Amount of condensate at 40/30 °C		77	93
pH value of the condensate		ca. 4,0	ca. 4,0
CE designation		CE-0085CN0326	CE-0085CN0326

¹⁾ does not apply for Austria / Switzerland

²⁾ depending on the boundary conditions of the plant such as e. g. : Type/design of the exhaust system, size and condition of the installation room

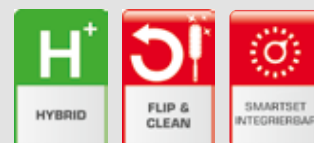
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WALL-MOUNTED GAS BOILERS

WALL MOUNTED GAS CONDENSING BOILERS UP TO 55KW		2
CGB-2(K)	ComfortLine wall mounted gas condensing boiler / combi boiler	2
CGW-2	ComfortLine gas condensing centre with DHW stratification cylinder wall mounted	3
CGS-2L	ComfortLine gas condensing centre with DHW stratification cylinder	4
CGS-2R	ComfortLine gas condensing centre with DHW cylinder with internal indirect coil	5
CSZ-2	ComfortLine gas condensing solar centre in modular design	6
CGB-2-38/55	Comfortline gas condensing boiler	7
CGB-2-75/100	Comfortline gas condensing boiler	8
CONTROL SYSTEMS / CONTROL ACCESSORIES		9
CGB-75/100		13
CONTROLLER/CONTROL ACCESSORIES FROM 100KW		14
CONVENTIONAL GAS BOILERS		18
CGU-2(K)	ComfortLine conventional wall mounted gas boiler / combi boiler	18
CONTROL SYSTEMS / CONTROL ACCESSORIES		19
TANKS		23
CSW	ComfortLine DHW cylinder made from with enamel coating	23
ACCESSORIES FOR WALL-MOUNTED GAS BOILERS		24
TECHNICAL DATA		46



CGB-2(K) COMFORTLINE WALL MOUNTED GAS CONDENSING BOILER / COMBI BOILER



RG | H10

TYPE	CGB-2 CGB-2K	14	20 20	24 24
Energy efficiency class				
Space heating medium temperature	A+++ → D	A	A	A
Energy efficiency class Water heating	A+ → F		A	A
Space heating energy efficiency η_s	%	93	93	93
Power range of heating at 80/60°C	kW	1,8	3,8	4,8
Power range of heating at 50/30°C	kW	2,1 - 15.2	4,4 - 20.4	5,6 - 25.8
Power range of hot water generation	kw-l/min	1,8 - 13.5	3,8 - 22.2	4,8 - 27.1
Tapping code		-	XL	XL
Dimensions				
Height	mm	790	790	790
Width	mm	440	440	440
Depth	mm	378	378	378
Weight	CGB-2 kg	33	33	33
Weight	CGB-2K kg		37	37
EC identification number		CE-0085C00098		

CGB-2	Art. no.	8615008	8615009	8615010
	€	3455.00	3590.00	3710.00
CGB-2K	Art. no.		8615011	8615012
	€		4400.00	4535.00

Wall mounted gas condensing boilers, sealed combustion chambers, for open flue and room sealed operation

Standard seasonal efficiency [to DIN] up to 110 % [net cv] / 99 % [gross cv]

Premix burner for natural gas E, LL and LPG, variable modulating heating output from 1.8 kW

As standard with expansion vessel, modulating high efficiency pump [EEI < 0.23] and 3-way-valve

No overflow valve, no return temperature raising required to provide superior condensing efficiency

Efficient combustion technology via gas adaptive, self-calibrating combustion control with automatic adaptation to the gas quality [e.g. biogas]

Automatic CO₂ adjustment via self-calibrating combustion air control for extremely low pollutant emissions

„ALUPro“ coated heating water heat exchanger from WOLF

Hybrid+: Can be intelligently combined with WOLF heat pumps



CGW-2 COMFORTLINE GAS CONDENSING CENTRE WITH DHW STRATIFICATION CYLINDER WALL MOUNTED



RG | H10

TYPE	CGW-2	14/100L	20/120L	24/140L
Energy efficiency class				
Space heating medium temperature	A+++ → D	A	A	A
Energy efficiency class Water heating	A+ → F	A	A	A
Space heating energy efficiency η_s	%	93	93	93
Power range of heating at 80/60°C	kW	1,8	3,8	4,8
Power range of heating at 50/30°C	kW	2,1 - 15.2	4,4 - 20.4	5,6 - 25.8
Power range of hot water generation	kw-l/min	1,8 - 13.5	3,8 - 22.2	4,8 - 27.1
Min. rated heating output at 80/60 °C	kW			
Min. rated heating output at 50/30 °C	kW			
Nominal load min	kW			
		44/100	44/120	44/140
Tapping code		L	XL	XL
Dimensions				
Height	mm	790	790	790
Width	mm	800	800	800
Depth	mm	378	378	378
Weight	kg	54	54	54
EC identification number		CE-0085C00098		

CGW-2	Art. no.	8615019	8615020	8615021
	€	5240.00	5375.00	5490.00

Wall mounted gas condensing centre consisting of a wall mounted gas condensing boiler with stainless steel DHW heat exchanger and stainless steel DHW stratification cylinder in a modular design

Integral and convenient DHW heating - better than a DHW cylinder (with indirect coil) with 100, 120 or 140 l capacity

„DHW turbo“ with a stainless steel routing and distribution system for hot and cold water ensures steady, radial water distribution and excellent DHW output (European patent pending)

With the CGW-2-14/100L, filling a bath tub with around 140 l of water at 40 °C takes only 10 minutes

High savings in operating costs through efficient DHW heating and innovative insulation technology with integrated annular gap system (utility model protection)

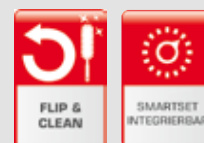
Controlled cylinder heating for optimum energy efficiency through the effective utilisation of condensing technology (European patent granted)

Gas condensing centre, fully wired and ready to connect to the water system



CGS-2L

COMFORTLINE GAS CONDENSING CENTRE WITH DHW STRATIFICATION CYLINDER



RG | H10

TYPE	CGS-2L	14/120L	20/160L	24/200L
Energy efficiency class				
Space heating medium temperature	A+++ → D	A	A	A
Energy efficiency class Water heating	A+ → F	A	A	A
Space heating energy efficiency η_s	%	93	93	93
Power range of heating at 80/60°C	kW	1,8	3,8	4,8
Power range of heating at 50/30°C	kW	2,1 - 15.2	4,4 - 20.4	5,6 - 25.8
Power range of hot water generation	kw-l/min	1,8 - 13.5	3,8 - 22.2	4,8 - 27.1
		90/120	90/160	90/200
Max. flow temperature	°C	90	90	90
Tapping code		XL	XL	XL
Dimensions				
Height	mm	1462	1462	1462
Width	mm	600	600	600
Depth	mm	635	635	635
Weight	kg	82	82	82
EC identification number		CE-0085C000098		

CGS-2L	Art. no.	8615013	8615015	8615017
	€	5225.00	5365.00	5480.00

The „Turbostop system“ provides convenient DHW heating inside the stratification cylinder - better than a DHW cylinder (with indirect coil) with 120, 160 or 200 l capacity

Controlled cylinder heating for optimum energy efficiency through the effective utilisation of condensing technology (European patent granted)

With the CGS-2-20/160L, filling a bath tub with around 230 l of water at 40 °C only takes 10 minutes; with the CGS-2-14/120L, 190 l at 40 °C is possible

High performance factor $N_L = 1.3$ or 2.5 when heating from 10 °C to 60 °C

Minimum heat losses due to highly efficient insulation technology - only 1.0 kWh standby loss in 24 hours

Compact design as condensing boiler with stratification cylinder. Can be split easily into two modules weighing 35 kg and 80 kg for straightforward installation



CGS-2R COMFORTLINE GAS CONDENSING CENTRE WITH DHW CYLINDER WITH INTERNAL INDIRECT COIL



RG | H10

WALL-MOUNTED
GAS BOILERS

TYPE	CGS-2R	14/150R	20/150R	24/150R
Energy efficiency class				
Space heating medium temperature	A+++ → D	A	A	A
Energy efficiency class Water heating	A+ → F	A	A	A
Space heating energy efficiency η_s	%	93	93	93
Power range of heating at 80/60°C	kW	1,8	3,8	4,8
Power range of heating at 50/30°C	kW	2,1 - 15.2	4,4 - 20.4	5,6 - 25.8
Power range of hot water generation	kw-l/min	1,8 - 13.5	3,8 - 22.2	4,8 - 27.1
Min. rated heating output at 80/60 °C	kW	13.0	5.0	
Min. rated heating output at 50/30 °C	kW	145	145	145
Max. flow temperature	°C	90	90	90
Tapping code		XL	XL	XL
Dimensions				
Height	mm	1792	1792	1792
Width	mm	600	600	600
Depth	mm	635	635	635
Weight	kg	115	115	115
EC identification number		CE-0085C00098		

CGS-2R	Art. no.	8615014	8615016	8615018
	€	5225.00	5365.00	5480.00

Controlled cylinder heating for optimum energy efficiency through the effective utilisation of condensing technology (European patent granted)

With the CGS-2-20/150R, filling a bath tub with around 230 l of water at 40 °C takes only 10 minutes; with the CGS-2-14/150R, approx. 210 l at 40 °C is possible

High performance factor $N_L = 1.4$ or 1.8 when heating from 10 °C to 60 °C

Minimum heat losses due to highly efficient insulation technology -

only 1.47 kWh standby loss in 24 hours

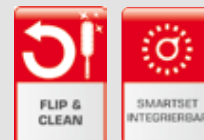
Compact design as condensing boiler with cylinder with internal indirect coil. Can be split easily into two modules weighing 35 kg and 80 kg for straightforward installation

Cylinder heating via robust internal indirect coil with generously sized heat exchanger surface area for short heat-up times



CSZ-2

COMFORTLINE GAS CONDENSING SOLAR CENTRE IN MODULAR DESIGN



RG | H10

TYPE	CSZ-2	14/300R	20/300R	24/300R
Energy efficiency class				
Space heating medium temperature	A+++ → D	A	A	A
Energy efficiency class Water heating	A+ → F	A	A	A
Space heating energy efficiency η_s	%	93	93	93
Power range of heating at 80/60°C	kW	1,8	3,8	4,8
Power range of heating at 50/30°C	kW	2,1 - 15.2	4,4 - 20.4	6,6 - 25.8
Power range of hot water generation	kw-l/min	1,8 - 1.5	3,8 - 22.2	4,8 - 27.1
		285	285	285
Tapping code		XL	XL	XL
Cylinder capacity	l	285	285	285
Dimensions				
Height	mm	1850	1850	1850
Width	mm	600	600	600
Depth	mm	1013	1013	1013
Gewicht				
Installed weight of CSZ-2 (filled with water)	kg	583	583	583
Weight of gas condensing boiler	kg	125	125	125
Weight Gasbrennwerttherme	kg	35	35	35
Weight	kg			
EC identification number		CE-0085C00098		

CSZ-2	Art. no.	7701552	7701553	7701554
	€	7190.00	7320.00	7440.00

Wall mounted gas condensing boiler for connection to balanced flue chimney or air/flue gas duct with BM-2 programming unit (including outside temperature sensor), high efficiency pump (EEI < 0.23), ALUPro coated heating water heat exchanger and three-way diverter valve

Efficient combustion technology via gas adaptive, self-calibrating combustion control with automatic adaptation to the gas quality (e.g. biogas)

Optimum utilisation of condensing technology by controlling the temperature spread without an overflow valve

Steel DHW solar cylinder with two-layer enamel coating and 2 smooth tube indirect coils

Solar pump assembly with variably adjustable high efficiency pump

SM1 solar module for controlling a solar circuit (integrated into the solar pump assembly)

Electronic cylinder sensor

25 l solar expansion vessel

10 l container for heat transfer medium



CGB-2-38/55 COMFORTLINE GAS CONDENSING BOILER



RG | H10

WALL-MOUNTED
GAS BOILERS

Energy efficiency class			
Space heating medium temperature	A+++ → D	A	A
Space heating energy efficiency η_s	%	94	94
Power range at 80/60°C	kW	5,3 - 34,9	7,8 - 51,1
Power range at 50/30°C	kW	6,3 - 38,0	9,2 - 55,0
Liquid gas			
Power range at 80/60°C	kW	6,7 - 34,9	9,8 - 51,1
Power range at 50/30°C	kW	7,6 - 38,0	11,0 - 55,0
Dimensions			
Height	mm	790	790
Width	mm	440	440
Depth	mm	412	412
Weight	kg	47	47
EC identification number		CE-0085CU0300	

CGB-2 (Erdgas E/H)	Art.-Nr.	8615709	8615710
	€	4705,00	5870,00

Gas condensing boilers, closed combustion chamber, for room-air dependent and independent operation

Highly efficient robot-welded V4A finned tube heat exchanger with 7 times the surface area of smooth tube heat exchangers

Modulation range from 17 - 100

Extremely robust and durable construction

Standard equipment includes modulating high-efficiency pump, flow sensor, exhaust gas flap and safety valve connection (safety valve as accessory)

Intelligent pump spread control for optimum utilisation of condensing value

Cyclone inlet for particularly clean and stable combustion

No overflow valve, no return temperature increase - for maximum condensing efficiency

Easy replacement of existing equipment: Sophisticated accessory concept and hydraulic connections compatible with previous models

Maintenance without draining heating water

Space-saving design: completely accessible from the front thanks to removable housing cover

5-fold cascadable and fully hybrid compatible with WOLF heat pumps

Cross-product WOLF control system WRS-2: BM-2 with commissioning assistant

Smarthome-capable via integrable WOLF Link home



CGB-2-75/100

COMFORTLINE GASBRENNWERT-HEIZTHERME / KOMBITHERME

NEU
Available from April



RG | H10

TYPE	CGB-2	75	100
Energy efficiency class			
Space heating medium temperature	A+++ → D	A	A
Space heating energy efficiency η_s	%	95	
Power range of heating at 80/60°C	kW	99	99
Power range of heating at 50/30°C	kW	99 - 99.0	99 - 99.0
Power range of hot water generation	kW-l/min	99 - 99.0	99 - 99.0
Dimensions			
Height	mm	99	99
Width	mm	99	99
Depth	mm	99	99
Weight	kg	94	94
EC identification number		99999999	

CGB-2	Art. no.	8613626	8613628
	€	7280.00	9070.00

Gas condensing boilers, combustion chamber closed, for room-air dependent and independent operation

Modulation range from 16 - 100

5-fold cascadable (up to 500 kW)

Seasonal space heating efficiency of 95

Ideal control design - all boards, optional WOLF Link home in one housing, easily accessible connections.

Robust, coated AISi heat exchanger made of extruded profile

Standard exhaust gas return flap for cascade applications

Intelligent pump spreading control for optimum condensing value utilization

No overflow valve, no return temperature increase - for maximum condensing value benefit

Easy replacement of existing appliances, connections fully compatible with predecessor models

Maintenance without draining heating water

Cross-product WOLF control system WRS-2: BM-2 with commissioning wizard

Optionally also with internet interface Wolf Link pro 4G incl. own router



BM-2 PROGRAMMING UNIT

- Central operating module for WOLF heat generators of the WRS-2 generation
- Room/weather-compensated temperature controller
- for installation in heat generators / additional modules or in wall sockets for remote control
- with time programs for heating, hot water and circulation
- intuitive menu guidance with plain text display and 3.5" colour display
- Commissioning assistant with automatic detection of plant components
- Support of 5 heat generators with KM-2
- Adjustment of heating and cooling curves
- Can be used as remote control for CWL Excellent / CWL-2
- Compatible with WOLF Smartset

incl. outdoor temperature sensor, BM-2 black	2745304	458.00	H41
incl. outdoor temperature sensor, BM-2 white	2745927	458.00	H41
without outdoor temperature sensor, BM-2 black	2745306	430.00	H41

Note: Required for the operation in accordance with EnEV.



AM DISPLAY MODULE

For installation in the appliance

2745310 228.00 H41

Note: Required for appliance operation if the BM-2 is used as a remote control.



WALL MOUNTING BASE FOR BM-2

For using the BM-2 programming unit as a remote control

black	1731129	31.70	H41
white	1731442	31.70	H41



MM-2 MIXER MODULE

Extension module for weather-compensated flow temperature control of a circuit with mixer.

2745865 384.00 H41

- Can be extended with the BM-2 programming unit as a remote control
- Up to 7 mixer modules can be integrated into one system
- Easy configuration of the controller by selecting predefined system versions
- eBus interface with automatic energy management
- Rast 5 connection technology
- Incl. flow temperature sensor



SM1-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

2745867 286.00 H41

- Simple configuration of the controller by selection of pre-defined plant variants
- In combination with Wolf heaters, higher energy savings due to intelligent Storage tank recharging, i.e. blocking of storage tank recharging with a sufficiently high solar yield
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, secondary and parallel operation)
- Display of setpoints and actual values in the adjustment module BM-2
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal

WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



SM2-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

- Simple configuration of the controller by selecting predefined system variants
- In conjunction with Wolf heaters higher energy savings through intelligent storage tank recharging, i.e. blocking of storage tank recharging if solar yield is sufficiently high
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, subordinate and parallel operation)
- Display of set and actual values in the BM-2 operating module
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal

Art. no.	€	DG
2745869	468.00	H41



KM-2 CASCADE MODULE

Extension module to control systems with a low loss header or cascade operation. Can be used for up to 5 heat generators. (Subject to heat generator)

- Easy configuration of the controller by selecting predefined system versions
- Switching of a circuit with mixer
- BM-2 programming unit can be clipped into place or extended as a remote control unit with a wall mounting base
- 0-10V input for building management systems, fault message output 230V
- eBus interface with automatic energy management
- Rast 5 connection technology

2745866	575.00	H41
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RM-2 ROOM MODULE









4 in 1: Automatic recognition of the function based on system components:

- Room temperature controller with daily/weekly program
- Remote control for living room ventilation CWL Excellent / CWL 2 (at the same time as room temperature control)
- Remote control of all heating or mixing circuits (with BM/BM-2 in the system)
- Remote control for up to 7 individual heating circuits with several RM-2 (with BM/BM-2 in the system)
- Illuminated touch screen
- Integrated room temperature sensor
- Connection via eBus interface
- Many functions: Holiday mode, fault messages, temperature displays etc.
- Compatible with WOLF Smartset

2747657	236.00	H41
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WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES

	Art. no.	€	DG
	AFB ANALOGUE REMOTE CONTROL • Basic WRS remote control for heating and mixer circuits • Each heating circuit can be operated separately with a remote control • Integrated room temperature sensor • Setting of temperature and program selection via rotary selector • eBus interface	2744551	124.00 H41
	MAXIMUM THERMOSTAT For underfloor heating For switching off the heating circuit pump if the set temperature is exceeded.	2791905	60.00 H41
	WIRELESS REMOTE CONTROL (only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209)	2744200	165.00 H41
	AVAILABLE UNTIL 04/21		
	WIRELESS OUTSIDE TEMPERATURE SENSOR (only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209)	2744081	136.00 H41
	AVAILABLE UNTIL 04/21		
	WIRELESS RECEIVER for radio outdoor temperature sensor [Art.-No. 2744081] and radio remote control [Art.-No. 2744200] incl. radio clock [DCF77 signal]	2744209	179.00 H41
	AVAILABLE UNTIL 04/21		
	TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE Can be used as a cylinder, boiler, central unit and supply air temperature sensor	8852829	62.00 H41
	HEAT METERING KIT For measuring the yield of SM1-2 and SM2-2 solar modules		
	Consisting of: Flow meter, return contact sensor (NTC 5k), 2 union connections with male thread 1/2"		
	Q_{Nenn}/max 1,5/3 m³/h	2744392	191.00 H41
	Q_{nom}/max. 2.5/5 m³/h	2744610	234.00 H41
	RETURN CONTACT SENSOR (NTC 5K) For SM1-2 and SM2-2 solar modules For measuring the yield using Δt and the flow rate set in the control unit.	2792022	54.00 H41

WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



WOLF LINK HOME LAN / WLAN INTERFACE MODULE

Consisting of:
WOLF LINK HOME interface module, connection cable, installation / operating instructions, network cable

- Integrated LAN and WLAN interfaces for integration of WOLF heating systems in one network, or
- For WOLF heating device connections to the Wibus Smarthome system

Note: To obtain full access to both functions and operation a programming module BM-2 is recommended.

Art. no.	€	DG
2746365	253.00	H41



ISM8i OPEN SOURCE ETHERNET INTERFACE MODULE

Interface module with disclosed TCP/IP protocol for system-independent integration of WOLF heating appliances and ventilation units.

2745831	253.00	H41
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KNX INTERFACE KIT

Interface kit for integration of WOLF heating appliances into a KNX network

Consisting of:
Interface module ISM8i ETHERNET, KNX-IP-BAOS module, installation and operating instructions, network cable

2745713	785.00	H41
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I/O MODULE

Extension module for 2 programmable inputs and 2 programmable outputs

2745730	170.00	H41
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OUTSIDE, CEILING OR ROOM TEMPERATURE SENSOR

2792021	34.30	H41
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BACNET INTERFACE KIT

Interface kit for integration of WOLF heating appliances into a BACnet network

Consisting of:
Interface module ISM8i, WOLF BACnet gateway, installation and operating instructions, network cable [2 pcs]

2746108	1870.00	H41
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CGB-75/100 COMFORTLINE GASBRENNWERT-HEIZTHERME

Available until October

TYP	CGB	75	100
Energy efficiency class			
Space heating	A+++ → D	A	
Space heating energy efficiency η_s	%	93	
Power range heating at 80/60°C	kW	18 - 70,0	18 - 92,0
Power range heating at 50/30°C	kW	20 - 76,0	20 - 99,0
Dimension data			
Height	mm	1020	1020
Width	mm	565	565
Depth	mm	548	548
Weight	kg	94	94
CE identification number		CE-0085BR0164	

CGB	Art.-Nr.	8613626	8613628
	€	7280,00	9070,00

Energy labeling according to Ecodesign Directive for space heating with thermal power $\leq 70\text{kW}$

[Hi] / 99% [Hs] for best possible energy utilization

premix burner for natural gas E, LL, liquid gas with conversion kit

Cascade operation in overpressure of up to four gas condensing boilers and a power range up to 400 kW possible

made of robust aluminum-silicon alloy, with vertically arranged smooth fins.

Compact, space-saving design, no lateral clearance required for installation and maintenance

exchanger under system pressure

no minimum flow and no overflow valve required

suitable for connection to air/flue gas stack or for air/flue gas ducting

WOLF

CONTROLLER/CONTROL ACCESSORIES FROM 100KW

Art. no. € DG



BM PROGRAMMING UNIT

- Room temperature-dependent/weather-compensated control
- Time programs for heating and DHW
- LCD with backlighting
- Simple menu navigation through plain text display
- Operation via rotary selector with pushbutton function
- Installation either in the control unit of the heat generator or in the wall mounting base as a remote control unit
- Optional for MM mixer module
- Only one programming unit required for installations with multiple circuits
- eBus interface
- 4 function keys for frequently used functions (heating, DHW, setback, info)

Incl. outside temperature sensor	2744076	442.00	H41
Without outside temperature sensor	2744347	414.00	H41
[only in combination with wall mounting base, art.-no. 2744275]			



WALL MOUNTING BASE

Wandsockel zur Verwendung des Bedienmoduls BM als Fernbedienung

2744275 32.40 H41



MM MIXER MODULE

Extension module for weather-compensated flow temperature control of a mixer circuit.

2744293 384.00 H41

- Can be extended as remote control with operating module BM
- Up to 7 mixer modules can be integrated into one system
- Simple configuration of the controller by selecting predefined system variants
- Operating module BM can be clipped in or extended with wall socket as remote control
- eBus interface with automatic energy management
- Rast 5 Connection technology
- can also be used for hot water preparation or return temperature increase
- incl. flow temperature sensor



SM1-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

2745867 286.00 H41

- Simple configuration of the controller by selection of pre-defined plant variants
- In combination with Wolf heaters, higher energy savings due to intelligent Storage tank recharging, i.e. blocking of storage tank recharging with a sufficiently high solar yield
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, secondary and parallel operation)
- Display of setpoints and actual values in the adjustment module BM-2
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal

WOLF

CONTROLLER/CONTROL ACCESSORIES FROM 100KW

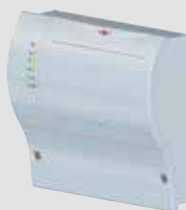


SM2-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

Art. no.	€	DG
2745869	468.00	H41

- Simple configuration of the controller by selecting predefined system variants
- In conjunction with Wolf heaters higher energy savings through intelligent storage tank recharging, i.e. blocking of storage tank recharging if solar yield is sufficiently high
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, subordinate and parallel operation)
- Display of set and actual values in the BM-2 operating module
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal



KM CASCADE MODULE

Extension module for controlling systems with hydraulic switch or cascade control.

2744294	575.00	H41
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- Operating module BM can be clipped in or extended with wall base as remote control
- Simple configuration of the controller by selecting predefined system variants
- Control of a mixer circuit
- 0-10V input for GLT systems, fault message output 230V
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Operating module BM can be clipped in or extended with wall socket as remote control

WOLF

CONTROLLER/CONTROL ACCESSORIES FROM 100KW

**RM-2 ROOM MODULE**

4 in 1: Automatic recognition of the function based on system components:

- Room temperature controller with daily/weekly program
- Remote control for living room ventilation CWL Excellent / CWL 2 (at the same time as room temperature control)
- Remote control of all heating or mixing circuits (with BM/BM-2 in the system)
- Remote control for up to 7 individual heating circuits with several RM-2 (with BM/BM-2 in the system)
- Illuminated touch screen
- Integrated room temperature sensor
- Connection via eBus interface
- Many functions: Holiday mode, fault messages, temperature displays etc.
- Compatible with WOLF Smartset

Art. no. € DG

2747657 236.00 H41

**AFB ANALOGUE REMOTE CONTROL**

- Basic WRS remote control for heating and mixer circuits
- Each heating circuit can be operated separately with a remote control
- Integrated room temperature sensor
- Setting of temperature and program selection via rotary selector
- eBus interface

2744551 124.00 H41

**MAXIMUM THERMOSTAT**

For underfloor heating
For switching off the heating circuit pump if the set temperature is exceeded.

2791905 60.00 H41

**WOLF LINK PRO LAN/WLAN EXTERNAL INTERFACE MODULE**

- Consisting of:
- Interface module ISM7e / WOLF LINK PRO, installation and operating instructions, eBus cable, power supply unit, network cable
 - LAN and WLAN interface module for wall mounting or mobile application
 - Connection of Wolf heating appliances to the Wolf Smartset portal/App
 - mobile application for parametrisation of the heating system
 - Voltage supply via mains adapter or USB

2746366 474.00 H41

Note: Nur in Verbindung mit BM-2 verwendbar.

**WIRELESS REMOTE CONTROL**

(only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209)

2744200 165.00 H41

AVAILABLE UNTIL 04/21

**WIRELESS OUTSIDE TEMPERATURE SENSOR**

(only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209)

2744081 136.00 H41

AVAILABLE UNTIL 04/21

**WIRELESS RECEIVER**

for radio outdoor temperature sensor (Art.-No. 2744081) and radio remote control (Art.-No. 2744200) incl. radio clock (DCF77 signal)






2744209 179.00 H41

AVAILABLE UNTIL 04/21

WOLF

CONTROLLER/CONTROL ACCESSORIES FROM 100KW

WALL-MOUNTED
GAS BOILERS

	Art. no.	€	DG
	CYLINDER TEMPERATURE SENSOR With round blue plug	279905499	53.00 H41
	TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE Can be used as a cylinder, boiler, central unit and supply air temperature sensor	8852829	62.00 H41
	HEAT METERING KIT For measuring the yield of SM1-2 and SM2-2 solar modules Consisting of: Flow meter, return contact sensor (NTC 5k), 2 union connections with male thread 1/2"	2744392 2744610	191.00 234.00 H41
	RETURN CONTACT SENSOR (NTC 5K) For SM1-2 and SM2-2 solar modules For measuring the yield using Δt and the flow rate set in the control unit.	2792022	54.00 H41
	OUTSIDE, CEILING OR ROOM TEMPERATURE SENSOR	2792021	34.30 H41



CGU-2(K) COMFORTLINE GASHEIZWERT-HEIZTHERME / KOMBITHERME

NEU
Available from April

RG | H10

TYP	CGU-2 CGU-2K	10	18	24
Energy efficiency class				
Space heating	A+++ → D	C	C	C
Water heating	A+ → F		C	C
Power range	kW	7,5 - 10,0	8,0 - 18,0	10,9 - 24,0
Tapping profile		-	M	XL
Dimensional data				
Height	mm	855	855	855
Width	mm	440	440	440
Depth	mm	393	393	393
Weight	kg	39	39	41
CE identification number		CE-0085BS0516		
Erdgas E	to 03/21	Art.-Nr. 8614979	8614531	8614534
		€ 2500,00	3760,00	3835,00
Erdgas E	from 04/21	Art.-Nr. 8616111	8616108	8616107
		€ 2500,00	3760,00	3835,00
Erdgas LL	bis 03/21	Art.-Nr. 8614980	8614532	8614535
		€ 2500,00	3760,00	3835,00
Erdgas LL	from 04/21	Art.-Nr. 8616110	8616109	8616104
		€ 2500,00	3760,00	3835,00
Flüssiggas	to 03/21	Art.-Nr.	8614533	8614536
		€	3795,00	3885,00
Flüssiggas	from 04/21	Art.-Nr.	8616129	8616130
		€	3795,00	3885,00

Gas calorific value boiler for room air dependent operation.

Standard with expansion vessel 10l, modulating high-efficiency pump [EEI < 0.20] and 3-way valve

Maintenance-friendly design, easy internal accessibility

Extremely low power consumption thanks to latest pump generation

eBus-capable control for connection of digital Wolf control accessories

Very quiet thanks to optimal water flow in the latest version to minimize flow noise

Convenient hot water quick start, with CGU-2K-18/24 with high-quality stainless steel plate heat exchanger

Connection compatible with each other and with CGB-2(K)

flexible gas slider enclosed

Note: According to the Directive 2009/125/EC [Ecodesign Directive] applies to the CGU-2 or CGU-2K from 26.09.2015:

This boiler with natural draught is intended for connection exclusively in existing buildings to a flue system occupied by several apartments, which discharges the combustion residues from the installation room to the outside. It draws combustion air directly from the installation room and is equipped with flow protection. Due to low efficiency, any other use of this boiler should be avoided - it would lead to higher energy consumption and higher operating costs.



RM-2 ROOM MODULE

4 in 1: Automatic recognition of the function based on system components:

- Room temperature controller with daily/weekly program
- Remote control for living room ventilation CWL Excellent / CWL 2 (at the same time as room temperature control)
- Remote control of all heating or mixing circuits (with BM/BM-2 in the system)
- Remote control for up to 7 individual heating circuits with several RM-2 (with BM/BM-2 in the system)
- Illuminated touch screen
- Integrated room temperature sensor
- Connection via eBus interface
- Many functions: Holiday mode, fault messages, temperature displays etc.
- Compatible with WOLF Smartset

Art. no.	€	DG
2747657	236.00	H41



BM PROGRAMMING UNIT

Room temperature-dependent/weather-compensated control, time programs for heating and DHW, backlit LCD, simple menu navigation through plain text display, operation using rotary selector with pushbutton function, 4 function keys for frequently used functions (heating, DHW, setback, information), mounted in wall mounting base, only one programming unit necessary for installations with multiple circuits, eBus interface

Incl. outside temperature sensor

2744076 **442.00** H41

Without outside temperature sensor

2744347 **414.00** H41

[only in combination with wall mounting base, art.-no. 2744275]



SM1-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

- Simple configuration of the controller by selection of pre-defined plant variants
- In combination with Wolf heaters, higher energy savings due to intelligent Storage tank recharging, i.e. blocking of storage tank recharging with a sufficiently high solar yield
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, secondary and parallel operation)
- Display of setpoints and actual values in the adjustment module BM-2
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal

2745867 **286.00** H41

WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



SM2-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

- Simple configuration of the controller by selecting predefined system variants
- In conjunction with Wolf heaters higher energy savings through intelligent storage tank recharging, i.e. blocking of storage tank recharging if solar yield is sufficiently high
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, subordinate and parallel operation)
- Display of set and actual values in the BM-2 operating module
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal

Art. no.	€	DG
2745869	468.00	H41



MM MIXER MODULE

Extension module for weather-compensated flow temperature control of a mixer circuit.

- Can be extended as remote control with operating module BM
- Up to 7 mixer modules can be integrated into one system
- Simple configuration of the controller by selecting predefined system variants
- Operating module BM can be clipped in or extended with wall socket as remote control
- eBus interface with automatic energy management
- Rast 5 Connection technology
- can also be used for hot water preparation or return temperature increase
- incl. flow temperature sensor

2744293	384.00	H41
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WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



WALL MOUNTING BASE

Wall mounting base for using the BML programming unit as a remote control

Art. no. € DG

2744275 32.40 H41



AFB ANALOGUE REMOTE CONTROL

- Basic WRS remote control for heating and mixer circuits
- Each heating circuit can be operated separately with a remote control
- Integrated room temperature sensor
- Setting of temperature and program selection via rotary selector
- eBus interface

2744551 124.00 H41



MAXIMUM THERMOSTAT

For underfloor heating
For switching off the heating circuit pump if the set temperature is exceeded.

2791905 60.00 H41



WOLF LINK PRO LAN/WLAN EXTERNAL INTERFACE MODULE

Consisting of:

- Interface module ISM7e / WOLF LINK PRO, installation and operating instructions, eBus cable, power supply unit, network cable
- LAN and WLAN interface module for wall mounting or mobile application
- Connection of Wolf heating appliances to the Wolf Smartset portal/App
- mobile application for parametrisation of the heating system
- Voltage supply via mains adapter or USB

2746366 474.00 H41

Note: Nur in Verbindung mit BM-2 verwendbar.



WIRELESS REMOTE CONTROL

[only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209]

2744200 165.00 H41

AVAILABLE UNTIL 04/21



WIRELESS OUTSIDE TEMPERATURE SENSOR

[only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209]

2744081 136.00 H41

AVAILABLE UNTIL 04/21



WIRELESS RECEIVER

for radio outdoor temperature sensor [Art.-No. 2744081] and radio remote control [Art.-No. 2744200] incl. radio clock (DCF77 signal)

2744209 179.00 H41

AVAILABLE UNTIL 04/21



CYLINDER TEMPERATURE SENSOR

With round blue plug

279905499 53.00 H41

WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



HEAT METERING KIT

For measuring the yield of SM1-2 and SM2-2 solar modules

Consisting of:

Flow meter, return contact sensor (NTC 5k), 2 union connections with male thread 1/2"

Q_{Nenn}/max 1,5/3 m³/h

2744392

191.00

H41

Q_{nom}/max. 2.5/5 m³/h

2744610

234.00

H41



RETURN CONTACT SENSOR (NTC 5K)

For SM1-2 and SM2-2 solar modules

For measuring the yield using Δt and the flow rate set in the control unit.

2792022

54.00

H41



OUTSIDE, CEILING OR ROOM TEMPERATURE SENSOR

2792021

34.30

H41



CSW COMFORTLINE DHW CYLINDER MADE FROM WITH ENAMEL COATING

RG | H45

TYPE	CSW	120
Energy efficiency class	A+ → F	B
Cylinder capacity	I	115
Continuous cylinder output of heating *80/60-10/45°C	kW/l/h	29 - 710
Output factor of heating	NL60	1.0
Weight	kg	53

CSW	Art. no.	2445121
	€	900.00

* Heating water flow/heating water return - cold water/hot water

R ¾" connections for flow and return, G¾" for cold water, DHW and DHW circulation, and also a cleaning aperture, all at the top of the cylinder for easy connection and cleaning

White RAL 9016 powder-coated casing

Rigid PUR foam thermal insulation all around the cylinder, applied directly to the cylinder surface, highly effective for low heat losses

Corrosion protection through enamelled cylinder interior and internal indirect coil to DIN 4753, Part 3. Additional corrosion protection through sacrificial magnesium anode integrated into the inspection and cleaning aperture

Internal indirect coil with large heat exchanger surface area for short heat-up times

High continuous DHW output


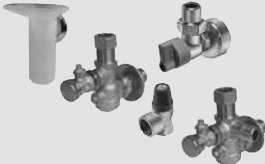

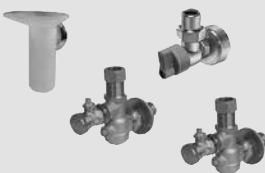
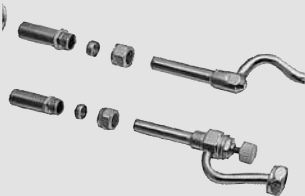

R ½" drain at the front, incl. drain valve and hose connection

Adjustable feet

5 year warranty




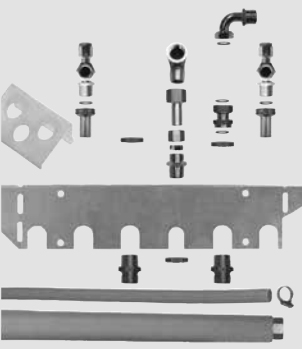
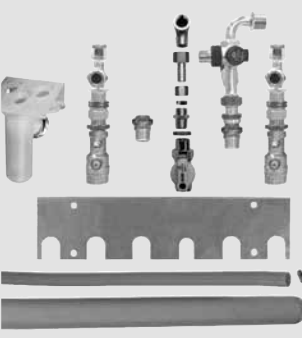
WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS

	for product	Art. no.	€	DG
 <p>INSTALLATION TEMPLATE For flush mounting</p> <p>For gas, heating circuit and DHW, made from zinc-plated sheet steel</p>	gas boilers	8600064	.01	H40
 <p>CONNECTION KIT For flush mounting</p> <p>Consisting of: Gas ball valve with thermal safety device, right angle maintenance valve with boiler drain and fill valve, right angle maintenance valve with boiler drain and fill valve and connection for R$\frac{1}{2}$ safety valve, safety valve with 3 bar response pressure, tundish</p>	All gas boilers	2072347	221.00	H40
 <p>UPM CONNECTION KIT „+KFE GU/GG THERM. PRO., consisting of: Gas ball valve with thermal protection, Angle maintenance valve with drain & fill valve, Angle maintenance valve, with drain & fill valve and connection for R$\frac{1}{2}$ safety valve, Warm water connector, Cold water connector, 3 bar response pressure safety valve, Drain outlet“</p>	All gas combi boilers	2072334	265.00	H40
 <p>CONNECTION KIT For flush mounting</p> <p>Consisting of: Gas ball valve with thermal safety device, 2 right angle maintenance valves with boiler drain and fill valve and tundish</p>	CGS-2	2072348	204.00	H40
 <p>CONNECTORS For flush mounting DHW G$\frac{1}{2}$” and cold water G$\frac{1}{2}$” with shut-off valve, chrome plated</p>	gas combi boilers	2071678	47.00	H40
 <p>CONNECTION KIT For surface mounting</p> <p>Consisting of: Gas ball valve with thermal safety device, straight-through maintenance valve with boiler drain and fill valve, straight-through maintenance valve with boiler drain and fill valve and connection for R$\frac{1}{2}$ safety valve, safety valve with 3 bar response pressure, tundish</p>	Gas Combined Baths	2072346	205.00	H40

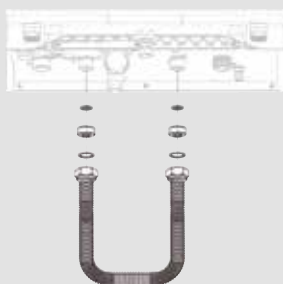
WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS

	for product	Art. no.	€	DG
	Gas combination boiler	2072345	238.00	H40
	CONNECTION KIT for surface mounting Consisting of: Gas ball valve with thermal protection, Straight-through maintenance valve with drain & fill valve, Straight-through maintenance valve with drain & fill valve and connection for R $\frac{1}{2}$ " safety valve, Warm water connector, Cold water connector, drain outlet, 3 bar response pressure safety valve"			
	CGS-2	2072338	186.00	H40
	CONNECTION KIT For surface mounting Consisting of: Gas ball valve with thermal safety device, 2 straight-through maintenance valves with boiler drain and fill valve and tundish			
	gas combi boilers	2071677	37.60	H40
	CONNECTORS For surface mounting DHW R $\frac{1}{2}$ " and cold water R $\frac{1}{2}$ " with shut-off val- ve, chrome plated			
	CGS-2	2071832	343.00	H40
	CONNECTION KIT For surface and flush mounting to heating flow/return, DHW/cold water, gas Consisting of: Adjustable connection bracket for flush or sur- face mounting, 2 corrugated stainless steel pipes 8 mm long, 2 corrugated stainless steel pipes 1 mm long, 2 heating water flow/return connectors, two $\frac{3}{4}$ " twin connectors, 2 tees with $\frac{1}{2}$ " air vent valve, double threaded connec- tion, 1 condensate discharge line, $\frac{1}{2}$ " 9° bend, $\frac{3}{4}$ " 9° pipework, gas connector, triple hose re- tainer, transparent plastic			
	CGS-2	2072333	710.00	H40
	CONNECTION KIT suitable for surface installation on heating supply/return, hot/cold water, gas partly premounted consisting of: Connection console variable for surface moun- ting, 4 corrugated stainless steel tubes 800mm long, 2 connecting parts Heating water supply / return, 2 double nipples $\frac{3}{4}$ ", 2 T-pieces with air vent $\frac{1}{2}$ ", Double bolting, 1 Condensate drain line, 90° bend $\frac{1}{2}$ ", piping 90° $\frac{3}{4}$ ", Connection part gas, drain funnel R1, Gas ball valve with thermal protection, 2 straight-way maintenance valves with KFE valves, and safety group without pressure reducer up to 6 bar mains overpressure, Safety valve 10 bar			

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



OVERFLOW LINE FOR HEATING OPERATION

Necessary for CGB-2 if no
DHW cylinder is being connected.

Consisting of:

- 2 fitting reducers $\frac{3}{4}$ " x $\frac{1}{2}$ "
- 1 stainless steel corrugated pipe
- 1 trimming kit for stainless steel corrugated pipe
- 1 flat gasket G $\frac{3}{4}$ "
- 2 flat gaskets G $\frac{1}{2}$ "

for product

Art. no.

€

DG

CGB-2

8614785

51.00

H40

VERSCHLUSSKAPPEN-SET G 3/4

CGU-2-10

2070927

12.50

ET



ADAPTER FOR COLD/HOT WATER CONNECTION

for cold/hot water connection
only necessary if CGW up to year of construction 2013 is replaced by CGW-2 from year of construction 2013

consisting of:

- 1 intermediate piece cold water G $\frac{3}{4}$ ",
- 1 intermediate piece hot water G $\frac{1}{2}$ "

CGW-2

8614238

49.00

H40



CONNECTION SET FOR SURFACE-MOUNTED INSTALLATIONS

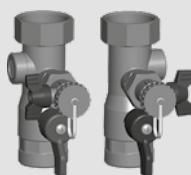
Consisting of:
Heating circuit connection set, expandable [2 straight-through maintenance cocks with ball valves and KFE valves, connection possibility for safety valve, Expansion vessel, overflow bridge]
Gas ball valve straight through R3/4" with thermal fuse,
Safety valve 3 bar response pressure
Connection $\frac{3}{4}$ " female thread,
Run-off funnel

CGB-2-38/55

8616330

288.00

H40



HEATING CIRCUIT CONNECTION SET, EXPANDABLE

Consisting of:
Connection on the device flat-sealing, connection for safety valve, further connections e.g. for overflow bridge, connection on heating supply/return with ball valves 1" IT, 2 KFE valves

CGB-2-38/55

2075061

205.00

H40

CONNECTION SET OVERFLOW BRIDGE

Required for direct connection to the heating system
3-piece construction for easy installation on the heating circuit connection set 2075061

CGB-2-38/55

2075062

186.00

H40

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



POTABLE WATER CONNECTION KIT

Consisting of:
Connection on the appliance, flat gasket. Connection to cold water/DHW with ball valves can be made with 3/4" male thread.

for product

Art. no.

€

DG

CGB-K-40-35

8611844

44.00

H40



CONNECTION KIT FLOW AND RETURN FOR HEATING AND SOLAR CIRCUITS

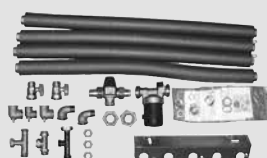
For connection left or right to the CSZ-2, side clearance of 140mm between boiler and wall
Consisting of:
Wall bracket, 4 thermally insulated copper pipes 18x1,
2 boiler fill and drain valves for heating circuit, gas ball valve with thermal safety device and 2 shut-off valves for heating circuit

CSZ-2

7701126

354.00

H40



CONNECTION SET FOR HOT/COLD WATER, WITH THERMOSTATIC WATER MIXER AND HIGH-EFFICIENCY DOMESTIC HOT WATER CIRCULATION PUMP

For connection to the left, right or rear of the CSZ-2, side clearance of 140mm between boiler and wall; (minimum required room height 2,25m)
Consisting of:
Wall bracket, 4 thermally insulated corrugated hoses with associated shortening sets, 2 shut-off valves, thermostatic water mixer with integrated non-return valve and scalding protection and high-efficiency domestic hot water circulation pump with non-return valve (electrical power consumption 8W)

CSZ-2

7701136

745.00

H40



CONCEALED MOUNTING BRACKET

For flush mounting
Connections can be rotated by 360° for threaded connection

All gas combi boilers and all gas boilers

207049599

110.00

H40



CONCEALED MOUNTING BRACKET

For flush mounting
Connections can be rotated by 360° for threaded connection

All gas boilers

207049699

89.00

H40



CONNECTION BRACKET

For surface mounting

Gas combi boilers
Gas boilers

8600175
8600114

93.00
59.00

H40
H40



GAS BALL VALVE, RIGHT ANGLE VERSION

For flush mounting
With thermal safety device, chrome plated

R 1/2"
R 3/4"

Gas boilers
CGB-35, CGB-50, CGB-K40-35

2011013
2011193

59.00
73.00

H40
H40

	for product	Art. no.	€	DG
	GAS BALL VALVE, STRAIGHT-THROUGH VERSION For surface mounting, chrome plated With thermal safety device			
	Rp $\frac{1}{2}$ "	Gas boilers	2011012	58.00 H40
	Rp $\frac{3}{4}$ "	CGB-75, CGB-100, CGB-35/50/-K-40-35	2011017	60.00 H40
	RIGHT ANGLE MAINTENANCE VALVE G$\frac{3}{4}$" For flush mounting Chrome plated with boiler drain and fill valve			
	Gas boilers	2070615	52.00	H40
	RIGHT ANGLE MAINTENANCE VALVE G$\frac{3}{4}$" For flush mounting Chrome plated with boiler drain and fill valve and R $\frac{1}{2}$ " connection for safety valve			
	Gas boilers	2070613	52.00	H40
	STRAIGHT-THROUGH MAINTENANCE VALVE RP$\frac{3}{4}$" For surface mounting Chrome plated with boiler drain and fill valve, straight-through maintenance valve			
	Gas boilers	2070616	45.00	H40
	STRAIGHT-THROUGH MAINTENANCE VALVE RP$\frac{3}{4}$" For surface mounting Chrome plated with boiler drain and fill valve and R $\frac{1}{2}$ " connection for safety valve			
	Gas boilers	2070614	47.00	H40
	SAFETY VALVE 3 bar response pressure for sealed unvented hot water heating systems, chrome plated			
	Up to 50 kW, connection $\frac{1}{2}$ " female thread, discharge $\frac{3}{4}$ " female thread, pressure gauge display range 0-4 bar	All boiler, gas heaters up to 24kW	2011000	23.20 H40
	Up to 100 kW, connection $\frac{3}{4}$ " female thread, discharge 1" female thread	All boiler, gas heaters from 35kW	2011191	40.70 H40
	SAFETY VALVE FOR INTERNAL CONNECTION Connection $\frac{3}{4}$ " plugged in, outlet 1" IG			
	3 bar Set pressure	CGB-2-38/55	2075071	40.70 H40
	6 bar Set pressure	CGB-2-38/55	2075095	51.00 H40
	EXHAUST GAS CONNECTION ADAPTER For the uncomplicated exchange of a CGB-35/50 To compensate the height reduction of 40mm			
	CGB-2-38/55	1731795	34.10	H40
	MOTOR 230 V For uncomplicated conversion of the change-over valve to 230 V in case of replacement of a CGB-35/50 with 3-way change-over valve 8602187, including connection cable			
	CGB-2-38/55	2269757	78.00	H40

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS

	for product	Art. no.	€	DG
	THREE-WAY SWITCHING VALVE Heating / cooling 230 V wired with cable as additional change-over valve Connections 1 „IG, kvs = 12	CHA, CGB-2-38/55	9146880	206.00 H31
	DRAIN OUTLET R1 Trap with pipe collar and triple hose retainer Transparent plastic	gas boilers	8602888	36.70 H40
	MICROBUBBLE SEPARATOR To protect the unit and the high-efficiency pump from dirt / sludge and magnetite, a sludge separator with magnetite separator must be installed in the heating return. WOLF recommends a micro-bubble separator in the heating flow to effectively remove air and micro-bubbles.			
	1" up to 2.1 m ³ /h	2071877	163.00	H40
	1¼" to 3.5 m ³ /h	2070407	194.00	H40
	1½" up to 5.4 m ³ /h	2072251	215.00	H40
	2" up to 8.2 m ³ /h	2072252	289.00	H40
	THERMAL INSULATION For microbubble separator			
	1"	1669275	81.00	H40
	1¼" / 1½"	1669276	81.00	H40
	2"	1669280	81.00	H40
	SLUDGE SEPARATOR To protect the unit and the high-efficiency pump against dirt / sludge and magnetite is a sludge separator with magnetite separator in the heating return flow. WOLF recommends the following for effective removal of air and microbubbles a microbubble separator in the heating flow.			
	1" up to 2.1 m ³ /h	2071880	243.00	H40
	1¼" up to 3,5m ³ /h	2071879	277.00	H40
	1½" up to 5.4 m ³ /h	2072246	298.00	H40
	2" up to 8.2 m ³ /h	2072247	337.00	H40
	THERMAL INSULATION For dirt trap incl. magnetite separator			
	1"	1669270	85.00	H40
	1¼" / 1½"	1669271	85.00	H40
	2"	1669272	82.00	H40

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



SLUDGE SEPARATOR, ROTATABLE

- Rotatable version for flexible use on the construction site
- With extra powerful removable magnet
- Incl. sludge tap and removable housing base for easy maintenance

To protect the unit and the high-efficiency pump from dirt / sludge and magnetite is a sludge separator with magnetite separator to be installed in the heating return flow.

For effective removal WOLF recommends of air and micro-bubbles a micro-bubble separator in the heating flow.

1" till 2,1m³/h

2075008

268.00 H40

1¼" till 3,5m³/h

2075009

376.00 H40

1½" bis 5,4m³/h

2075010

432.00 H40



HEAT INSULATION

for sludge separator [rotatable] incl. magnetite separator

1"

1669602

85.00 H40

1¼"

1669603

85.00 H40

1½"

1669604

85.00 H40



BALL VALVE 1"

CGB-2-38/55

2011192

22.00 H40



BOILER FILL AND DRAIN VALVE SET

Consisting of:

Ball valve with cap, hose connection and pipe coupling reducer 1" to ½".

CGB-2-38/55

8815351

19.20 H40



DIRT TRAP 1¼"

To protect the appliance and pump from heavy soiling or deposits from the system.

CGB-2-38/55

2070405

84.00 H40



PUMP SHUT-OFF VALVE

For the heating circuit pipe assembly, for shut-off upstream of the pump for straightforward pump replacement, with easily operated ball valve, for installation with flat gasket below the thermal insulation shell

DN25

CGB-35/50/-K-40-35, All boilers

2012058

30.00 H40

DN32

All boilers, CGB-35/50/-K-40-35

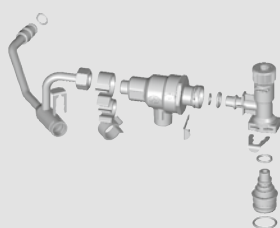
2012062

37.60 H40

Note: DN25 is also suitable for the pipework set for cylinders installed below the boiler and floorstanding cylinders [2 pcs required]

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



	for product	Art. no.	€	DG
FILLING DEVICE can be integrated in the device for filling the heating system with system separator type CA	CGB-2K / CGW-2 / CGS-2	2071875	121.00	H40
consisting of: 1 plastic corner cock DN10 2 O-RING 10x2.5 EPDM 2 Piping clip DN10 1 connection lid Filling device 1 O-RING 17.12X2.62 EPDM 1 system separator 1 flat gasket 11,2X6X1 1 piping D8 with manometer connection 1 clip 1 O-RING 7.8x2.1 EPDM 1 hose holder 1 silicone grease 10 gram tube				



MAXIMUM THERMOSTAT For underfloor heating For switching off the heating circuit pump if the set temperature is exceeded.	boilers, gas heaters	2791905	60.00	H41
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IMPRESSED CURRENT ANODE	TS-160, TR-160, CGS-2	2483556	269.00	H46
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3-WAY MIXER				
DN20, Kvs 6.3	2744673	79.00	H40	
DN25, Kvs 10	2744674	85.00	H40	
DN32, Kvs 16	2744675	90.00	H40	



GAS PRESSURE SWITCH 10 MBAR With cable	CGB-75, CGB-100	8612071	82.00	H40
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LINE CONTROL VALVE 2" 20-200 L/MIN For balancing the maximum amount of water via the wall mounted gas condensing boiler (max. 13 l/min)	CGB-75, CGB-100	2070597	196.00	H40
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HIGHLY EFFICIENT DOMESTIC HOT WATER CIRCULATION PUMP with non-return valve, shut-off valve and 1 set threaded connect. 1 1/4" female thread x 3/4" female thread electrical power consumption 8W	CSZ-2	2071191	301.00	H40
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WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS

for product

Art. no.

€

DG



CONNECTION KIT FOR DHW CYLINDER [CSW-120]

For flush mounting as a kit

Consisting of:

- Cylinder temperature sensor 6 mm Ø
- Cylinder flow/return pipework for connection to DHW cylinder
- Cold/hot water pipework for flush mounting
- 2 DHW connectors
- Locking ring fittings used together with connection kit for flush mounting part no. 272347

CGB-2 bis 24 kW

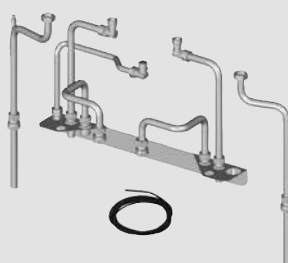
8615300

270.00 H40

CGU-2/CGG-2

8615302

236.00 H40



CONNECTION KIT FOR DHW CYLINDER [CSW-120]

For surface mounting as a kit

Consisting of:

- Cylinder temperature sensor Ø 6 mm
- Connection bracket for DHW cylinder
- Heating flow/return pipework from appliance to connection bracket
- Gas pipework from appliance to connection bracket
- Cylinder flow/return pipework for DHW cylinder connection
- Cold/DHW pipework from cylinder to connection bracket
- Locking ring fittings used together with connection kit for surface mounting, part no. 272346

CGB-2

2071820

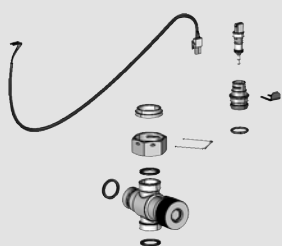
290.00 H40

CABLE EXTENSION 4 M

For cylinder temperature sensor with round blue plug, part no. 27995499

279924399

43.00 H41



KIT FOR SOLAR INTEGRATION

Consisting of:

- 1 thermal mixing valve G $\frac{3}{4}$
- 1 union nut G $\frac{3}{4}$
- 1 counter ring G $\frac{3}{4}$
- 1 locking spring
- 3 flat gaskets 24x17x2
- 1 immersion sensor NTC 5k brass Molex
- 1 sensor cover
- 1 O-ring 17.12x2.62 EPDM
- 1 clip
- 1 tube of silicone grease 1 g,
- 1 power cable

CGB-2-K

8614404

156.00 H40

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



POTABLE WATER CONNECTION KIT

For flush mounting
With pressure reducer, 1/2"

for product

Art. no.

€

DG

CGW-2

8610473

331.00

H40

Consisting of:
DHW connector, pipe collar, threaded pipe with locking ring G1/2", support sleeve, safety assembly with pressure reducer, pipework connection for safety assembly, pipework from safety assembly to cold water connection block, elbow including 3 gaskets G3/4"



POTABLE WATER CONNECTION KIT

For surface mounting
With pressure reducer, 1/2"

CGW-2

8610474

288.00

H40

Consisting of:
Safety valve assembly with pressure reducer, pipework safety assembly for cold water connection block, incl. 2 gaskets G3/4"



POTABLE WATER CONNECTION KIT

For flush mounting
Without pressure reducer, 1/2"

CGW-2

8610475

221.00

H40

Consisting of:
DHW connector, pipe collar, threaded pipe with locking ring G1/2", support sleeve, safety assembly without pressure reducer, pipework connection for safety assembly, pipework from safety assembly to cold water connection block, elbow including 3 gaskets G3/4"



POTABLE WATER CONNECTION KIT

For surface mounting
Without pressure reducer, 1/2"

CGW-2

8610476

179.00

H40

Consisting of:
Safety assembly without pressure reducer, pipework from safety assembly to cold water connecting block, incl. 2 gaskets G3/4"



SAFETY ASSEMBLY WITHOUT PRESSURE REDUCER

For surface mounting
Up to 16 bar mains pressure,

CSW-120

8600176

133.00

H40

Consisting of:
Safety valve with 1 bar response pressure, non-return valve, shut-off, with pipework from CSW DHW cylinder to connection bracket for DHW cylinder

Note: Flush mounting for CGU-2 or CGG-2 only in conjunction with DHW cylinder connection kit, part no. 2071861.

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



	for product	Art. no.	€	DG
SAFETY ASSEMBLY For flush mounting Without pressure reducer, up to 16 bar mains pressure	CSW-120	8600644	166.00	H40
Consisting of: Safety valve with 1 bar response pressure, with pipework from CSW DHW cylinder to cold water connection				



SAFETY ASSEMBLY FOR SURFACE MOUNTING Without pressure reducer, up to 16 bar mains pressure, with safety valve with 1 bar response pressure, non-return valve, shut-off, with pipework from CSW DHW cylinder to connection bracket for DHW cylinder	CSW-120	8600177	225.00	H40
Note: Flush mounting for CGU-2 or CGG-2 only in conjunction with DHW cylinder connection kit, part no. 2071861.				



SAFETY ASSEMBLY For flush mounting With pressure reducer	CSW-120	8600645	261.00	H40
up to 16 bar mains pressure, with safety valve with 1 bar response pressure, with pipework from CSW DHW cylinder to cold water connection				



SAFETY ASSEMBLY Without pressure reducer For surface/flush mounting Up to 6 bar mains pressure, safety valve with 1 bar response pressure, connection DN15	CGS-2, CGW-2	2011109	121.00	H40
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SAFETY ASSEMBLY With pressure reducer For surface/flush mounting Up to 16 bar mains pressure, safety valve with 1 bar response pressure, connection DN15	CGS-2, CGW-2	2011110	212.00	H40
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WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS

Art. no. € DG



PIPE ASSEMBLY FOR HEATING CIRCUIT

consisting of:

High-efficiency pump (EEI < 0.20) self-regulating,

wired with cable ready to plug in,

Ball valves with thermometer in flow and re-

turn, gravity brake without overflow valve

Design thermal insulation shells made of EPP,

group completely assembled, hydraulically and electrically tested

Dimensions HxWxD: 384x250x260

Distance between spigots: 125mm

DN25:

Connection flat at the bottom. 1½"

top IG 1" transition screw connection

Δp=150 mbar at V=2350 l/h

at Δt 10K to 27kW,

at Δt 15K to 41kW

at Δt 20K to 55kW

DN32:

Connection flat at the bottom. 1½"

top IG1 1¼" Transition screw connection

Δp=150 mbar at V=3100 l/h

at Δt 10K to 36kW,

at Δt 15K to 54kW

at Δt 20K to 72kW

DN25-60

2072135

825.00

H40

DN32-60

2072136

895.00

H40

Note: Flow can be easily switched from left to right.

No additional wall retainer required for installation on a manifold.

WALL-MOUNTED
GAS BOILERS

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



PIPE ASSEMBLY FOR CIRCUIT WITH MIXER

consisting of:

High-efficiency pump (EEI < 0.20) self-regulating,

mounted mixer motor, both wired with cable ready to plug in, drip-proof at zero position, ball valves with thermometer in flow and return, gravity brake without overflow valve
Design thermal insulation shells made of EPP, group completely assembled, hydraulically and electrically tested

Dimensions HxWxD: 384x250x260

Distance between spigots: 125mm

DN25:

3-way brass mixer kvs=10

Connection flat at the bottom. 1½"

Above IG 1" transition screw connection, adjustable bypass

Δp=150 mbar at V=2200 l/h

at Δt 10K to 26kW

at Δt 15K to 38kW

at Δt 20K to 51kW

DN32:

3-way brass mixer kvs=18

Connection flat at the bottom. 1½"

top IG1 1¼" Transition screw connection

Δp=150 mbar at V=3000 l/h

at Δt 10K up to 35kW

at Δt 15K to 52kW

at Δt 20K to 70kW

DN25-60

2072139

1165.00

H40

DN32-60

2072140

1230.00

H40

Note: Flow can be easily switched from left to right.

No additional wall retainer required for installation on a manifold.

MM-2 mixer module can be integrated.



WALL RETAINER KIT

For heating/mixer circuit pipe assemblies

For quick and safe installation of pipe assemblies.

For DN25 heating circuits or circuits with mixer

2072199

33.40

H40

For DN32 heating circuits or circuits with mixer

2072200

33.40

H40

Note: Not required if the pipe assemblies are installed on the manifold.

CONTROLLER RETAINER FOR MM2

For integrating the mixer module into the pipe assembly

2072242

69.00

H41



CONNECTING CABLE FOR EXTERNAL PUMP

In combination with hydraulic separation

gas boilers and

gas condensing units

2744178

22.80

H41

2748229

20.56

H41

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS

Art. no. € DG



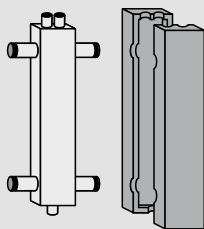
MANIFOLD

with thermally separated supply and return
Design thermal insulation shells made of EPP.
Distributor can be rotated or moved through 3
boiler-side connection pipes for adaptation
to the heating circuit side flow,
wall bracket included
Dimensions HxWxD: 168x500/750x140
Distance between spigots: 125mm

Connection flat at the bottom. 1½"
flat sealing at the top with union nut 11/2
kvs=12,5 / Vmax.=4500 l/h
Δp=130 mbar at V=4500 l/h
Δp=40 mbar at V=2500 l/h

2 heating circuits or circuits with mixer
3 heating circuits or circuits with mixer

2072197 314.00 H40
2072198 464.00 H40

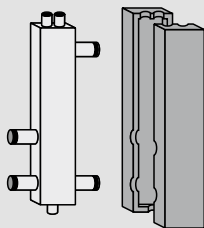


LOW LOSS HEADER, UP TO 4.5 M3/H

Consisting of:
Box section 8 x 12 mm and four G1½" (male th-
read) connectors with flat gaskets, three Rp½"
connections for air vent valve, boiler drain and
fill valve and
sensor well. Incl. black push-fit thermal insula-
tion shells, air vent valve, boiler drain and fill
valve, sensor well, flat gaskets, wall retainers
and installation material.

Gasbrennwertthermen
bis 55 kW

2011333 515.00 H40



LOW LOSS HEADER

Flow rate up to 10 m3/h

consisting of:
Square hollow profile 140 x 140mm,
4 Connection pipe G2" [AG] flat-sealing,
4 transition screw connections to IG 11/2",
2 connections for air vents and
KFE valve each Rp½" and 1 connection for im-
mersion sleeve 3/8".
incl. heat insulation shells black pluggable,
Breather,
KFE tap,
Diving tube,
Flat gaskets,
Wall brackets and mounting material.
For cascade systems larger than 10m3/h, a lar-
ger hydraulic diverter valve must be installed by
the customer in accordance with the required
volume flow.

CGB-35, CGB-50, CGB-
K40-35
[only used together with
the
cascade module KM]
CGB-75, CGB-100
[only used together with
the
cascade module KM]

2011334 700.00 H40



PIPE CONNECTION

Between low loss header (4.5 m³/h) and mani-
fold

Consisting of:
2 thermally insulated pipes, pipe ends with flat
gaskets and 1½" union nuts incl. gaskets

2011332 93.00 H40



THREADED ADAPTOR FITTING

Freely combinable, 1x flat gasket flange with
1½" union nut and 1x with 1" female thread; al-
so for 1¼" und 1½" welded connection. [1 set =
2 pce]

gas heaters 35-50kW,
boiler, BWL-1

2410068 27.00 H40

WALL-MOUNTED
GAS BOILERS

WOLF

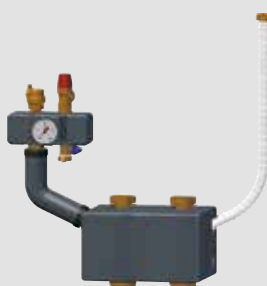
ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



	for product	Art. no.	€	DG
THREADED ADAPTOR FITTING Freely combinable, 1x flat gasket flange with 1½" union nut and 1x with 1" female thread. [1 set = 2 pce]	All boilers, CGB-35, CGB-50, CGB-K40-35	2012074	25.80	H40
GRAVITY BRAKE / NON-RETURN VALVE Brass, for installation between appliance flow and low loss header with 2 female threaded connections 1". [Only in conjunction with KM cascade module]	boilers, Heat pumps, CGB-35/50/-K40-35	201122899	20.10	H40
PIPE ASSEMBLY FOR HEATING CIRCUIT SHUT-OFF SET consisting of: electric shut-off valve 230V, closed when de-energized Ball valves with thermometer in flow and return, gravity brake Design heat insulation shells made of EPP, group completely assembled, hydraulically and electrically tested; dimensions HxWxD: 384x250x260 Connection flat at the bottom. 1½" top IG 1" transition screw connection Δp = 110 mbar at V=1200 l/h at Δt 20 K to approx. 27kW	gas boilers and gas condensing units without low-loss header	2072195	413.00	H40
PIPE ASSEMBLY FOR INJECTION CONTROL for controlling the flow temperature [floor heating - wall heating] Distance between spigots: 125mm consisting of: Mixer, mixer motor and bypass piping, Design thermal insulation shells made of EPP Connections: Inlet 1½" AG flat sealing Outlet 1½" Transition screw joint flat-sealing overall height: 232mm Δp = 86 mbar at V = 1200 l/h at Δt 20 K to approx. 27kW Max. flow temperature in the mixer circuit 50°C Note: The following accessory should be used for the injection control pipe assembly in conjunction with a wall mounted boiler: Part no. 2072135 (heating circuit pipe assembly)	gas boilers and gas condensing units without low-loss header	2072203	473.00	H40
REGULATING VALVE In conjunction with injection control pipe assembly or heating circuit shut-off set pipe assembly; flow indicator 0-36 l/min Kvs value: 3.5 Connections: Inlet 1½" male thread with flat gasket Outlet 1½" adaptor with flat gasket	gas boilers and gas condensing units without low-loss header	2070433	78.00	H40

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



HYDRAULIC SEPARATION

For hydraulic separation of a floor heating circuit from the remaining parts of the heating system.

consisting of:
a plate heat exchanger, connection fittings, manual air vent, a corrugated tube hose, a cap valve, a safety group with connection pipe, seals and Design thermal insulation shells made of EPP;

Transition capacity primarily 70/50°C,
secondary 25/35°C.....25kW
max. permissible operating overpressure 10 bar
max. permissible operating temperature 110°C
kvs-value: 4,3
distance between spigots: 125mm, overall height: 130mm

For system separation in conjunction with a Boilers should have the following accessories for the primary circuit or the secondary circuit is used will be:

Primary circuit (boiler circuit)
Piping group Mixer circuit
with high-efficiency pump DN25-60 [EEI < 0.20].
self-regulating [art.no.2072139]

Secondary circuit (heating circuit)
Piping group heating circuit for system separation
with high-efficiency pump DN26-60 [EEI < 0.20],
self-regulating [Art.No.2072138]

for product	Art. no.	€	DG
Boiler,	2072202	780.00	H40



3-WAY MIXER

For primary circuit (boiler circuit)
For systems without low loss header, 3-way mixer
DN25; Kvs value 4.0

All gas boilers and gas condensing units	2070453	124.00	H40
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MIXER MOTOR 230 V~/50 HZ, 6 NM

For 3-way mixing valve and 4-way mixing valve, fully wired, 120 sec, 90° DN20 - DN50

All boilers, gas heaters, BWL-1/BWS-1/BWW-1	2269715	261.00	H40
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SECONDARY CIRCUIT (HEATING CIRCUIT)

Piping group heating circuit for System separation with high efficiency pump DN25-60 [EEI < 0.20], self-regulating
Distance between spigots: 125mm

Boiler, Gas boiler	2072138	1035.00	H40
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CONNECTING CABLE FOR EXTERNAL PUMP
In combination with hydraulic separation

for product

Art. no.

€

DG

gas boilers and
gas condensing units

2744178

22.80

H41



**PLUG HKP (RED) FOR EXTERNAL HEATING CIR-
CUIT PUMP**

CGB-2, CGS-2, CGW-2
bis 24 kW

274523999

9.79

ET



PUMPENGRUPPE HEIZKREIS

zum direkten Anschluss an die Gasbrennwert-
thermeCGB-75/100
CGB-2-75/100

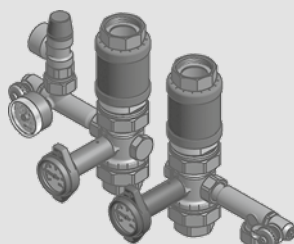
2075108

1275.00

H40

bestehend aus:
Hocheffizienzpumpe (EEI < 0,23) drehzahlgere-
gelt DN32-2",
mit PWM- und Netzkabel
Sicherheitsventil 3 bar,
Absperrhähnen mit Thermometer,
Rückschlagklappe, Manometer 0-10 bar,
1" Anschluss für Ausdehnungsgefäß,
je ein KFE-Hahn im Vor- und Rücklauf,
Anschluss oben flachdichtend mit Überwurf-
mutter 1 1/2", unten flachdichtend 2" mit Über-
gangsverschraubung auf IG 1 1/2" und EPP-Wär-
medämmschalen

Bauhöhe: 370mm



**HEATING CIRCUIT CONNECTION ASSEMBLY EX-
CL. PUMP**

for direct connection to the gas condensing boi-
lerCGB-75/100
CGB-2-75/100
CGB-100

2070434

473.00

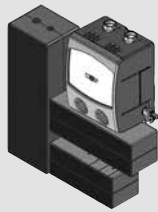
H40

consisting of:
Safety valve 3 bar, stopcocks with thermome-
ter, non-return valve, manometer 0-10 bar, 1"
connection for expansion vessel, one KFE valve
each in flow and return, connection top flat-
sealing with union nut 1 1/2", bottom flat-
sealing 2" with transition screw connection to
IG 1 1/2".

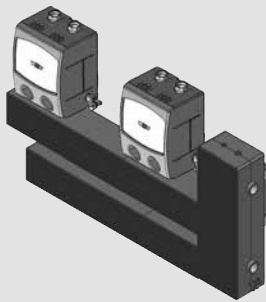
overall height: 200mm

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



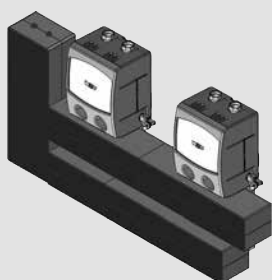
	for product	Art. no.	€	DG
WEICHENSET FÜR EINZELGERÄTE (RECHTS-/LINKSANBAU)	CGB-75/100 CGB-2-75/100	8616591	2575.00	H40
<p>bestehend aus:</p> <p>1 Pumpengruppe Heizkreis (Art.-Nr. 2075108) Hocheffizienzpumpe [EEI < 0,23] drehzahlgere- gelt DN32-2", mit PWM- und Netzkabel Sicherheitsventil 3 bar, Absperrhähne mit Thermometer, Rückschlagklappe, Manometer 0-10 bar, 1" Anschluss für Ausdehnungsgefäß, je ein KFE-Hahn im Vor- und Rücklauf, Anschluss oben flachdichtend mit Überwurf- mutter 1^{1/2"}, unten flachdichtend 2" mit Übergangsver- schraubung auf IG 1^{1/2"} und EPP-Wärmedämmschalen 1 Hydraulische Weiche bis 10 m³/h (Art.Nr. 2011334) inkl. Wandhalterung und Wärmedämmschalen 1 Verrohungsset inkl. Wandhalterung und Wärmedämmschalen</p> <p>Bauhöhe: 805mm</p>				



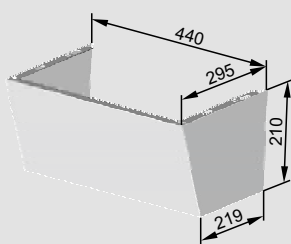
WEICHENSET FÜR 2ER KASKADENEINHEIT (RECHTSANBAU)	CGB-75/100 CGB-2-75/100	8616592	4795.00	H40
<p>bestehend aus:</p> <p>2 Pumpengruppen Heizkreis (Art.-Nr. 2075108) Hocheffizienzpumpe [EEI < 0,23] drehzahlgere- gelt DN32-2", mit PWM- und Netzkabel Sicherheitsventil 3 bar, Absperrhähne mit Thermometer, Rückschlagklappe, Manometer 0-10 bar, 1" Anschluss für Ausdehnungsgefäß, je ein KFE-Hahn im Vor- und Rücklauf, Anschluss oben flachdichtend mit Überwurf- mutter 1^{1/2"}, unten flachdichtend 2" mit Übergangsver- schraubung auf IG 1^{1/2"} und EPP- Wärmedämmschalen 1 Hydraulische Weiche bis 10 m³/h (Art.Nr. 2011334) inkl. Wandhalterung und Wärmedämmschalen 1 Verrohungsset 2er Kaskade inkl. Wandhalterung und Wärmedämmschalen</p> <p>Bauhöhe: 805mm</p>				

WOLF

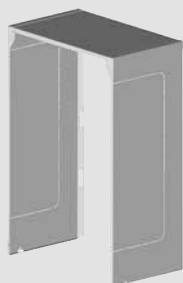
ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



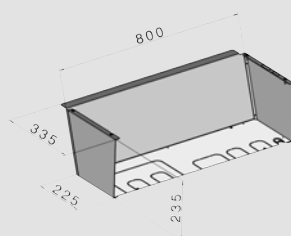
	for product	Art. no.	€	DG
WEICHENSET FÜR 2ER KASKADENEINHEIT (LINKSANBAU)	CGB-75/100 CGB-2-75/100	8616593	4795.00	H40
bestehend aus: 2 Pumpengruppen Heizkreis (Art.-Nr. 2075108) Hocheffizienzpumpe [EEI < 0,23] drehzahlgere- gelt DN32-2", mit PWM- und Netzkabel Sicherheitsventil 3 bar, Absperrhähne mit Thermometer, Rückschlagklappe, Manometer 0-10 bar, 1" Anschluss für Ausdehnungsgefäß, je ein KFE-Hahn im Vor- und Rücklauf, Anschluss oben flachdichtend mit Überwurf- mutter 1 1/2", unten flachdichtend 2" mit Übergangsver- schraubung auf IG 1 1/2" und EPP-Wärmedämmschalen 1 Hydraulische Weiche bis 10 m3/h (Art.Nr. 2011334) inkl. Wandhalterung und Wärmedämmschalen 1 Verrohungsset 2er Kaskade inkl. Wandhalterung und Wärmedämmschalen Bauhöhe: 805mm				



PIPE CLADDING				
For cladding the connecting pipework				
	CGB-[K]	8612672	112.00	H40
	CGB-2[K]	8614255	151.00	H40



PIPEWORK CLADDING	CGS-2	8614144	136.00	H40
With knock-outs				
For connection on the left and right				

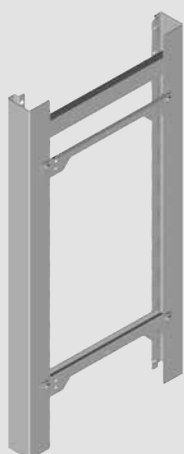


PIPEWORK CLADDING	CGW-2	8614210	142.00	H40
With knock-outs for connections, incl. screws				
for on-site installation				

Dimensions:
235 x 8 x 335 mm [H x W x D]

WOLF

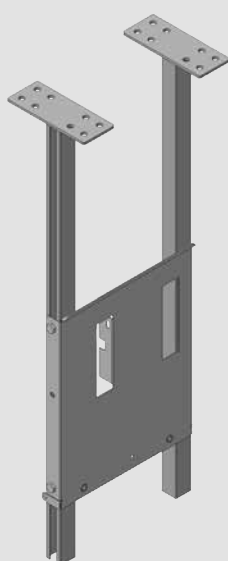
ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



SPACING FRAME 65 MM

If more space is required when fitting to third party equipment

for product	Art. no.	€	DG
All gas boilers (without CGB-2[K])	8613063	96.00	H40
CGB-2[K]	8614265	96.00	H40



APPLIANCE BRACKET

BWL-1S[B]

2484830

222.00

H31

- For fastening the wall units to the ceiling before laying the screed
- Screed drying without storage possible
- Installation of the storage tank only after completion of the floor coverings
- Mounting possibility for expansion tank 25 ltr.
- in combination with CEW-2-200 suitable for carcass heights from 2,50m to 2,75m
- for fixing the wall units to the floor
- Device distance to the floor max. 400mm
- Mounting possibility for expansion tank 25 ltr.



ACCESSORIES FOR ADAPTATION TO JUNKERS

CGB-2K-20, CGB-2K-24

8600418

119.00

H40

Types ZWR 18/24-2, 3, 4, 5, 6 and ZWBR 28-1, 2
For flush and surface mounting

Consisting of:
Cold water and DHW connection,
heating circuit connection, safety valve,
locking ring fittings



ACCESSORIES FOR ADAPTATION TO JUNKERS

CGB-2-14, CGB-2-20,

8600417

90.00

H40

Types ZR or ZSR 18/24-2, 3, 4, 5, 6 and ZBR 28-1, 2
For flush and surface mounting

Consisting of:
Heating circuit connection, safety valve,
locking ring fittings



ACCESSORIES FOR ADAPTATION TO VAILLANT

CGB-2-14, CGB-2-20,

8600704

47.00

H40

Types VC/VCW 18, 24, 28
For flush and surface mounting

CGB-2-24
CGB-2K-20, CGB-2K-24
CGU-2K

Consisting of:
Locking ring fitting Ø 15 with reducer
to 3/4" and 1" threads

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



	for product	Art. no.	€	DG
CALORIMETER KIT for yield measurement consisting of: Flow meter with connecting pipework, return contact sensor (NTC 5K), 2 union connections with male thread 1/2"	CSZ-2	7701129	320.00	H40



NEUTRALISER WITH FASTENING CLIPS				
Up to 35kW	Al gas condensing boilers	2400370	348.00	H40
35 to 50 kW	Al gas condensing boilers	2482404	406.00	H40
50 to 150 kW	Gas condensing boilers	2483072	461.00	H40
100 to 300 kW	CGB-75, CGB-100, Al gas condensing boilers	2482873	600.00	H40



REFILL PACK FOR NEUTRALISER consumption: approx. 10g - 30g per kW and year				
Refill pack 1.3 kg	Neutraliser	2400371	35.20	H40
Refill pack 5 kg	Neutraliser	2484538	92.00	H40



CONDENSATE PUMP WITH POTENTIAL-FREE, FULLY WIRED ALARM OUTPUT Consisting of: Condensate pump with floating alarm output, condensate tank with lid and wall retainer, PVC hose 10 mm (6 m long), non-return valve, condensate inlet adaptor				
	TLHK-EC, TLHK, CWL Excellent, CWL-2, CWL-F/T-Excellent, COB-2, TOB, TGB-2	2071268	265.00	H40



EXPANSION VESSELS For heating systems 1.5 bar pre-charge pressure, 90°C flow temperature				
25 l for heating systems up to 235 l		2400450	83.00	H40
35 l for heating systems up to 320 l		2400455	91.00	H40
50 l for heating systems up to 470 l		2400458	118.00	H40
80 l for heating systems up to 750 l		2400462	161.00	H40
100 l for heating systems up to 850 l		2400470	317.00	H40
140 l for heating systems up to 1210 l		2400471	376.00	H40
200 l Sizing according to heating system		2400472	452.00	H40



EXPANSION VESSELS For heating systems 1.5 bar pre-charge pressure, 90°C flow temperature				
Sizing according to heating system				
250 l		2400473	640.00	H40
300 l		2400481	760.00	H40
400 l		2483708	1025.00	H40
500 l		2483709	1280.00	H40
600 l		2483713	1945.00	H40
1000 l		2483715	3085.00	H40

WOLF

ACCESSORIES FOR WALL-MOUNTED GAS BOILERS



CONNECTION KIT FOR EXPANSION VESSEL

Consisting of: flexible corrugated stainless steel pipe (1 m long), threaded adaptors suitable for heat generator and expansion vessel.

Additionally with cap valve 3/4" - 25-50 l
Additionally with cap valve 1" - from 80 l

Art. no. € DG

2012080	135.00	H40
2012081	190.00	H40



EXPANSION VESSELS

for hot water, flow-through, operating pressure 10 bar, inlet pressure 4 bar, connection 3/4" external thread, incl. installation material.

Content 8 l up to 160 l
Content 12 l up to 200 l
Content 18 l up to 500 l

2400476	235.00	H40
2400477	252.00	H40
2400478	269.00	H40

Note: Only in conjunction with diaphragm safety valve, 10 bar response pressure

STAINLESS STEEL PLATE HEAT EXCHANGER FOR HYDRAULIC SEPARATION INCL. INSULATING HOOD AND BASE FIXING

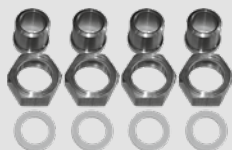
consisting of:

- copper brazed plate heat exchanger
- Mounting set
- ISO insulation bonnet with aluminium sheet metal housing with mineral wool insulation and quick release fasteners

Design for temperature conditions

- primary 85°C/65°C
- Secondary 60°C/75°C
- max. operating pressure 10bar
- max. operating temperature 110°C

Note: * Part no. 2071903 contains mating flanges (special flanges) as part of the standard delivery.



CONNECTION KIT FITTINGS FOR PLATE HEAT EXCHANGER

1 set = 4 pce

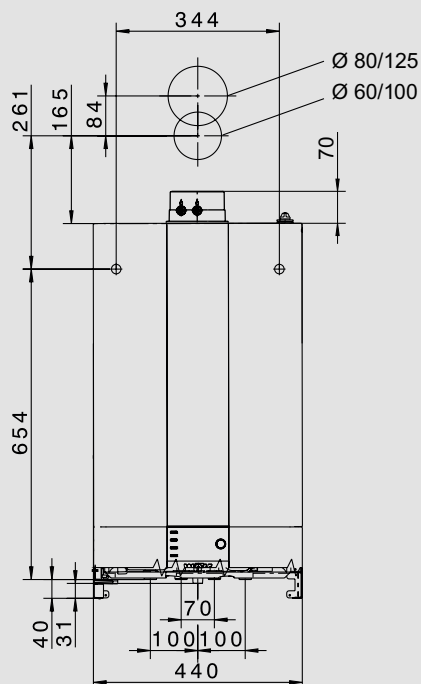
Welding connection [St 52-3] 1"	SL32 - ... up to 120kW	2071945	82.00	H42
Welding connection [St 52-3] 2"	up to 320kW	2071946	180.00	H42
Welding connection [St 52-3] 2 1/2"	up to 1020kW	2071947	214.00	H42
Threaded connection (brass, male thread) 1"	up to 120kW	2071984	82.00	H42
Threaded connection (brass, male thread) 2"	up to 320kW	2071985	174.00	H42
Threaded connection (brass, male thread) 2 1/2"	up to 1020kW	2071986	214.00	H42

WOLF TECHNICAL DATA

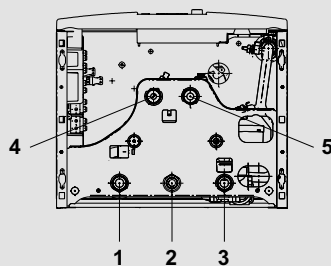
WALL MOUNTED GAS CONDENSING BOILER

CGB-2-14/20/24

CGB-2K-20/24



CGB-2

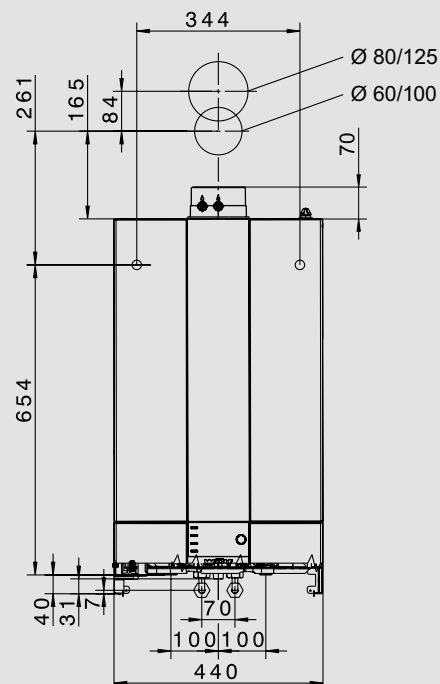


CGB-2:

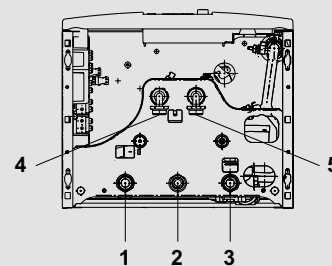
- 1 heating flow G $\frac{3}{4}$ "
- 2 Gas connection R $\frac{1}{2}$ "
- 3 Heating return G $\frac{3}{4}$ "
- 4 Memory forward G $\frac{3}{4}$ "
- 5 Memory return G $\frac{3}{4}$ "

CGB-2K:

- 1 heating flow G $\frac{3}{4}$ "
- 2 Gas connection R $\frac{1}{2}$ "
- 3 Heating return G $\frac{3}{4}$ "
- 4 Hot water connection with connection angle G $\frac{3}{4}$ "
- 5 Cold water connection with connection angle G $\frac{3}{4}$ "



CGB-2K



Typ	CGB-2	14	20	24	K-20	K-24
Energy efficiency class Space heating		A	A	A	A	A
Energy efficiency class hot water preparation		-	-	-	A	A
Nominal heat output at 80/60°C	kW	13,5	18,9/22,2 ¹⁾	23,8/27,1 ¹⁾	18,9/22,2 ¹⁾	23,8/27,1 ¹⁾
Nominal heat output at 50/30°C	kW	15,2	20,4	25,8	20,4	25,8
nominal heat load	kW	14	19,6/23,0	24,6/28,0	19,6/23,0	24,6/28,0
Smallest heat output (modulating)						
at 80/60°C	kW	1,8/4,6 ²⁾	3,8/6,8 ²⁾	4,8/6,8 ²⁾	3,8/6,8 ²⁾	4,8/6,8 ²⁾
at 50/30°C	kW	2,1/5,4 ²⁾	4,4/7,4 ²⁾	5,6/7,4 ²⁾	4,4/7,4 ²⁾	5,6/7,4 ²⁾
Minimum thermal load (modulating)	kW	1,9/4,9 ²⁾	3,9/6,9 ²⁾	4,9/6,9 ²⁾	3,9/6,9 ²⁾	4,9/6,9 ²⁾
Heating flow connection	G	¾" [DN20]	¾" [DN20]	¾" [DN20]	¾" [DN20]	¾" [DN20]
Heating return connection	G	¾" [DN20]	¾" [DN20]	¾" [DN20]	¾" [DN20]	¾" [DN20]
Cold water connection / circulation	G	¾"	¾"	¾"	¾"	¾"
cold water connection	G	¾"	¾"	¾"	¾"	¾"
gas connection	R	½"	½"	½"	½"	½"
Air/exhaust pipe connection	mm	60/100	60/100	60/100	60/100	60/100
Dimensions (mm)						
depth	mm	378	378	378	378	378
width	mm	440	440	440	440	440
height	mm	790	790	790	790	790
Air/exhaust gas ducting	Typ	B23P, B33P, C13(x), C33(x), C43(x), C53(x), C63(x), C83(x), C93(x), C10)3x, C11)3x				
gas category		II _{2N3P}	II _{2N3P}	II _{2N3P}	II _{2N3P}	II _{2N3P}
gas connected load						
Natural gas E/H (Hi=9.5kWh/m³=34.2MJ)/m³)	m³/h	1,44	2,06/2,42	2,52/2,95	2,06/2,42	2,52/2,95
Natural gas LL (Hi=8.6kWh/m³=31.0MJ)/m³)	m³/h	1,59	2,28/2,67	2,79/3,25	2,28/2,67	2,79/3,25
Liquid gas P (Hi=12.8kWh/m³=46.1MJ)/m³)	kg/h	1,07	1,53/1,80	1,87/2,19	1,53/1,80	1,87/2,19
gas supply pressure						
Natural gas (min-max permissible)	mbar	20 [17-25]	20 [17-25]	20 [17-25]	20 [17-25]	20 [17-25]
		50	50	50	50	50
Liquid gas (min-max permissible)	mbar	[42,5-57,5]	[42,5-57,5]	[42,5-57,5]	[42,5-57,5]	[42,5-57,5]
Standard efficiency at 40/30°C (Hi/Hs)	%	110/99	110/99	110/99	110/99	110/99
Standard efficiency at 75/60°C (Hi/Hs)	%	107/96	107/96	107/96	107/96	107/96
efficiency						
at nominal load at 80/60°C (Hi/Hs)	%	98/88	98/88	98/88	98/88	98/88
at 30% part load and TR=30°C (Hi/Hs)	%	108/97	108/97	108/97	108/97	108/97
Flow temperature Factory setting	°C	75	75	75	75	75
Flow temperature up to approx.	°C	90	90	90	90	90
max. total overpressure	bar	3	3	3	3	3
max. residual head for heating circuit:						
High efficiency pump (EEI <0.23)						
600 l/h flow rate [14kW at Δt=20K]	mbar	550	550	550	550	550
860 l/h flow rate [20kW at Δt=20K]	mbar	-	430	430	430	430
1030 l/h Flow rate [24kW at Δt=20K]	mbar	-	-	280	-	280
hot water flow rate	l/min	-	-	-	2,0-6,5	2,0-8,0
Minimum flow pressure according to EN 625	bar	-	-	-	0,4	0,65
Spec. water flow rate D at ΔT=30K	l/min	-	-	-	10,3	13
Max. permissible total overpressure Hot water	bar	-	-	-	10	10
Hot water temperature range [adjustable]	°C	-	-	-	45-65	45-65
hot water content						
of the heating water heat exchanger	Ltr.	1,3	1,3	1,3	1,3	1,3
Expansion vessel Total contents	Ltr.	10	10	10	10	10
Expansion tank Form pressure	bar	0,75-0,95	0,75-0,95	0,75-0,95	0,75-0,95	0,75-0,95
Flue gas temperature 80/60-50/30 at Qmax	°C	62-45	70-50	76-50	70-50	76-50
Flue gas temperature 80/60-50/30 at Qmin	°C	30-25	30-25	33-27	30-25	33-27
Exhaust gas mass flow at Qmax	g/s	6,2	8,8/10,7 ¹⁾	10,9/13,0 ¹⁾	8,8/10,7 ¹⁾	10,9/13,0 ¹⁾
Exhaust gas mass flow at Qmin	g/s	0,9	1,8	2,3	1,8	2,3
Available delivery pressure of the gas blower						
at Qmax	Pa	125	135	180	135	180
at Qmin	Pa	10	14	17	14	17
emission value group		G52	G52	G52	G52	G52
NOx class		6	6	6	6	6
Condensation water quantity at 50/30°C	Ltr./h	approx 1,4	approx 2,0	approx 2,4	approx 2,0	approx 2,4
pH value of the condensate		approx 4,0	approx 4,0	approx 4,0	approx 4,0	approx 4,0
Electrical power consumption Standby	W	3	3	3	3	3
Electrical power consumption maximum	W	17-45/59 ¹⁾	17-51/63 ¹⁾	17-62/88 ¹⁾	17-51/63 ¹⁾	17-62/88 ¹⁾
degree of protection	IP	IPX4D	IPX4D	IPX4D	IPX4D	IPX4D
Electrical connection/fuse protection		230V / 50Hz / 16A/B				
total weight	kg	33	33	33	35	35
CE identification number		CE-0085C00098				

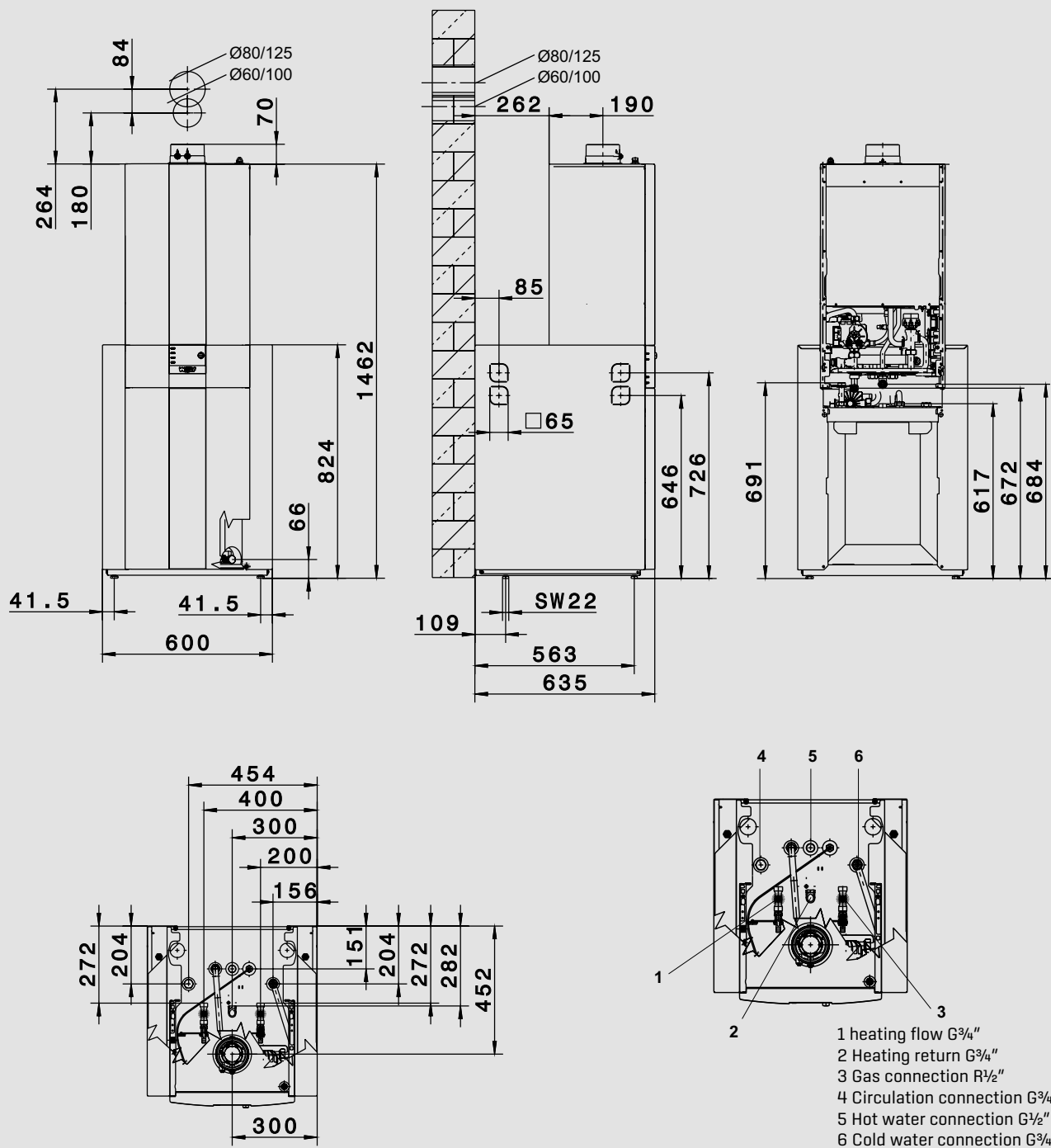
¹⁾ Heating operation/hot water operation

²⁾ Natural gas/liquid gas [G31]

The requirements of proKlima and KfW are met.

WOLF TECHNICAL DATA

GAS CONDENSING UNIT CGS-2L



Typ	CGS-2	14/150L	20/150L	24/150L
Energy efficiency class Space heating		A	A	A
Energy efficiency class hot water preparation		A	A	A
Nominal heat output at 80/60°C	kW	13,5	18,9/22,2 ¹⁾	23,8/27,1 ¹⁾
Nominal heat output at 50/30°C	kW	15,2	20,4	25,8
Nominal heat load	kW	14	19,6/23,0 ¹⁾	24,6/28,0 ¹⁾
Smallest heat output (modulating)				
at 80/60°C	kW	1,8/4,6 ²⁾	3,8/6,8 ²⁾	4,8/6,8 ²⁾
at 50/30°C	kW	2,1/5,4 ²⁾	4,4/7,4 ²⁾	5,6/7,4 ²⁾
Smallest heat load (modulating)	kW	1,9/4,9 ²⁾	3,9/6,9 ²⁾	4,9/6,9 ²⁾
Heating flow connection	G	¾" [DN20]	¾" [DN20]	¾" [DN20]
Heating return connection	G	¾" [DN20]	¾" [DN20]	¾" [DN20]
Cold water connection / circulation	G	¾"	¾"	¾"
cold water connection	G	¾"	¾"	¾"
gas connection	R	½"	½"	½"
Air/exhaust pipe connection	mm	60/100	60/100	60/100
Dimensions [mm]				
depth	mm	635	635	635
width	mm	600	600	600
height	mm	1462	1462	1462
Air/exhaust gas ducting	Typ	B23P, B33P, C13[x], C33[x], C43[x], C53[x], C63[x], C83[x], C93[x], C103[x], C113[x]		
gas category		II _{2N3P}	II _{2N3P}	II _{2N3P}
gas connected load				
Natural gas E/H [Hi=9.5kWh/m³=34.2MJ/m³]	m³/h	1,44	2,06/2,42	2,52/2,95
Natural gas LL [Hi=8.6kWh/m³=31.0MJ/m³]	m³/h	1,59	2,28/2,67	2,79/3,25
Liquid gas P [Hi=12.8kWh/m³=46.1MJ/m³]	kg/h	1,07	1,53/1,80	1,87/2,19
gas supply pressure				
Natural gas [min-max permissible]	mbar	20 [17-25]	20 [17-25]	20 [17-25]
Liquid gas [min-max permissible]	mbar	50 [42,5-57,5]	50 [42,5-57,5]	50 [42,5-57,5]
Standard efficiency at 40/30°C [Hi/Hs]	%	110/99	110/99	110/99
Standard efficiency at 75/60°C [Hi/Hs]	%	107/96	107/96	107/96
efficiency				
at nominal load at 80/60°C [Hi/Hs]	%	98/88	98/88	98/88
at 30% part load and TR=30°C [Hi/Hs]	%	108/97	108/97	108/97
Flow temperature Factory setting	°C	75	75	75
Flow temperature up to approx	°C	90	90	90
max. total overpressure heating circuit	bar	3	3	3
Residual head for heating circuit: High-efficiency pump [EEI <0.20]				
600 l/h flow rate [14kW at Δt=20K]	mbar	550	550	550
860 l/h flow rate [20kW at Δt=20K]	mbar	-	430	430
1030 l/h Flow rate [24kW at Δt=20K]	mbar	-	-	280
Max. permissible total overpressure Hot water	bar	10	10	10
Hot water temperature range [adjustable]	°C	15-65	15-65	15-65
Water content of the heating water heat exchanger	Ltr.	1,3	1,3	1,3
Nominal content of				
Spiral pipe accumulator / Equivalent nominal capacity	Ltr.	90 / 120	90 / 160	90 / 200
Spec. water flow rate „D“ at ΔT = 30K	l/min	18,7	23,2	25,2
Continuous hot water output according to DIN 4708	l/h [kW]	366 [14,6]	560 [23,1]	684 [27,8]
Performance index according to DIN 4708	NL	1,3	2,1	2,5
Hot water output power	l/10 min	161	199	215
Standby heat expenditure according to DIN EN 12897	kWh/24 h	1	1	1
Corrosion protection hot water heat exchanger / storage tanks		Stainless steel / double-layer enamelling to DIN 4753		
Expansion vessel Total contents	Ltr.	10	10	10
Expansion tank Form pressure	bar	0,75-0,95	0,75-0,95	0,75-0,95
Flue gas temperature 80/60-50/30 at Qmax	°C	62-45	70-50	76-50
Exhaust gas temperature 80/60-50/30 at Qminx	°C	30-25	30-25	33-27
Exhaust gas mass flow at Qmax	g/s	6,2	8,8/10,7 ¹⁾	10,9/13,0 ¹⁾
Exhaust gas mass flow at Qmin	g/s	0,9	1,8	2,3
Available delivery pressure of the gas blower				
at Qmax	Pa	125	135	180
at Qmin	Pa	10	14	17
emission value group		G52	G52	G52
NOx class		6	6	6
Condensation water quantity at 50/30°C	Ltr./h	approx 1,4	approx 2,0	approx 2,4
pH value of the condensate		approx 4,0	approx 4,0	approx 4,0
Electrical power consumption Standby	W	3	3	3
Electrical power consumption maximum	W	17-45/93 ¹⁾	17-51/110 ¹⁾	17-62/135 ¹⁾
degree of protection	IP	IPX4D	IPX4D	IPX4D
Electrical connection/fuse protection		230V / 50Hz / 16A/B	230V / 50Hz / 16A/B	230V / 50Hz / 16A/B
total weight	kg	84 [35+49]	84 [35+49]	84 [35+49]
CE identification number		CE-0085C00098		

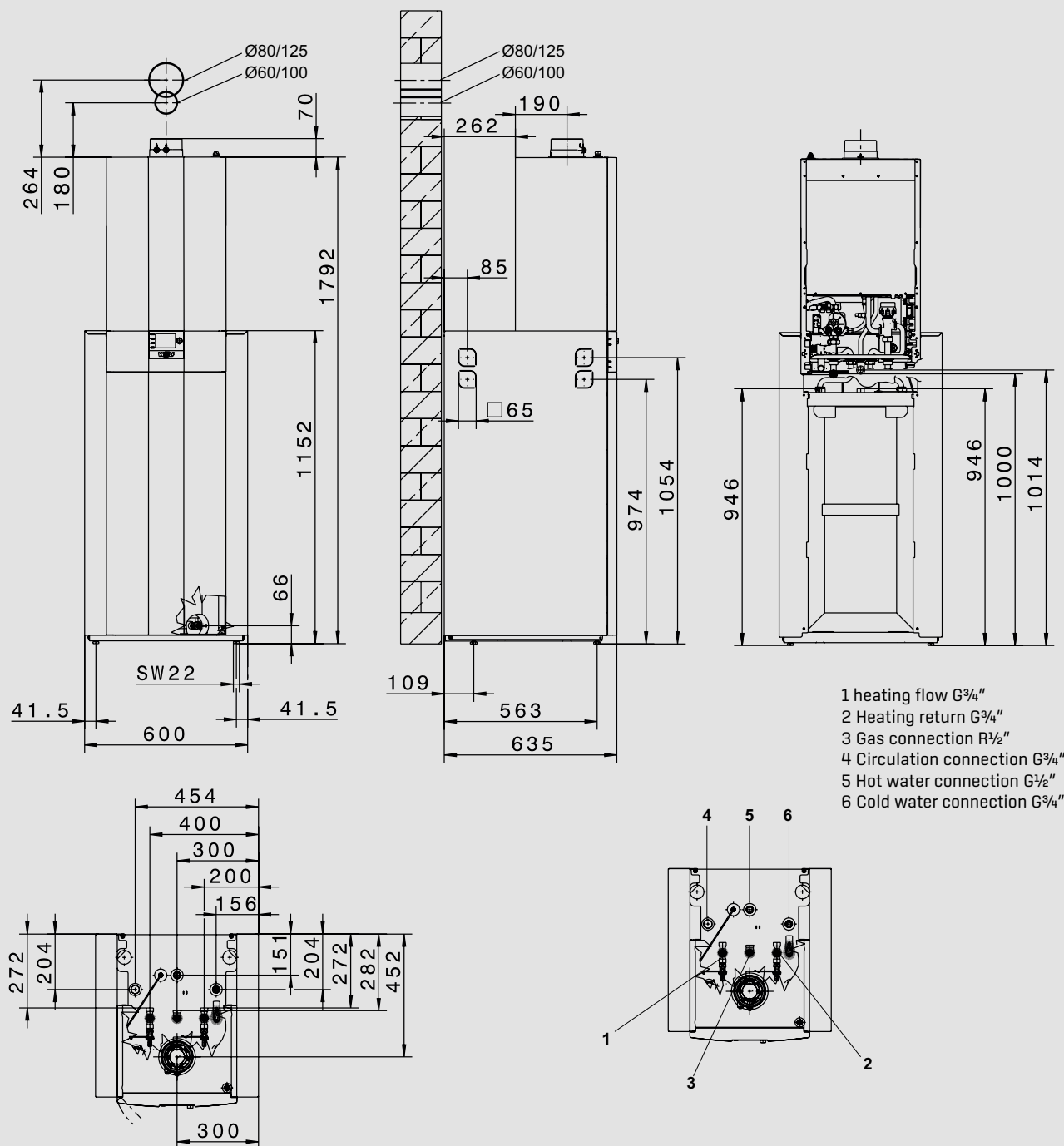
¹⁾ Heating operation/hot water operation

²⁾ Natural gas/liquid gas [G31]

The requirements of proKlima and KfW are met.

WOLF TECHNICAL DATA

GAS CONDENSING UNIT CGS-2R



Typ	CGS-2-2	14/150R	20/150R	24/150R
Energy efficiency class Space heating		A	A	A
Energy efficiency class hot water preparation		A	A	A
Nominal heat output at 80/60°C	kW	13,5	18,9/22,2 ¹⁾	23,8/27,1 ¹⁾
Nominal heat output at 50/30°C	kW	15,2	20,4	25,8
nominal heat load	kW	14	19,6/23,0 ¹⁾	24,6/28,0 ¹⁾
Smallest heat output (modulating) at 80/60°C	kW	1,8/4,6 ²⁾	3,8/6,8 ²⁾	4,8/6,8 ²⁾
at 50/30°C	kW	2,1/5,4 ²⁾	4,4/7,4 ²⁾	5,6/7,4 ²⁾
Minimum thermal load (modulating)	kW	1,9/4,9 ²⁾	3,9/6,9 ²⁾	4,9/6,9 ²⁾
Heating flow connection	G	¾" [DN20]	¾" [DN20]	¾" [DN20]
Heating return connection	G	¾" [DN20]	¾" [DN20]	¾" [DN20]
Cold water connection / circulation	G	¾"	¾"	¾"
cold water connection	G	¾"	¾"	¾"
gas connection	R	½"	½"	½"
Air/exhaust pipe connection	mm	60/100	60/100	60/100
Dimensions (mm)				
depth	mm	635	635	635
width	mm	600	600	600
height	mm	1792	1792	1792
Air/exhaust gas ducting	Typ	B23P, B33P, C13[x], C33[x], C43[x], C53[x], C63[x], C83[x], C93[x], C[10]3x, C[11]3x		
gas category		II _{2N3P}	II _{2N3P}	II _{2N3P}
gas connected load				
Natural gas E/H (Hi=9.5kWh/m³=34.2MJ/m³)	m³/h	1,44	2,06/2,42	2,52/2,95
Natural gas LL (Hi=8.6kWh/m³=31.0MJ/m³)	m³/h	1,59	2,28/2,67	2,79/3,25
Liquid gas P (Hi=12.8kWh/m³=46.1MJ/m³)	kg/h	1,07	1,53/1,80	1,87/2,19
gas supply pressure				
Natural gas (min-max permissible)	mbar	20 [17-25]	20 [17-25]	20 [17-25]
Liquid gas (min-max permissible)	mbar	50 [42,5-57,5]	50 [42,5-57,5]	50 [42,5-57,5]
Standard efficiency at 40/30°C (Hi/Hs)	%	110/99	110/99	110/99
Standard efficiency at 75/60°C (Hi/Hs)	%	107/96	107/96	107/96
efficiency				
at nominal load at 80/60°C (Hi/Hs)	%	98/88	98/88	98/88
at 30% part load and TR=30°C (Hi/Hs)	%	108/97	108/97	108/97
Flow temperature Factory setting	°C	75	75	75
Flow temperature up to approx	°C	90	90	90
max. total overpressure heating circuit	bar	3	3	3
Residual head for heating circuit: High-efficiency pump (EEI <0.20)				
600 l/h flow rate [14kW at Δt=20K]	mbar	550	550	550
860 l/h flow rate [20kW at Δt=20K]	mbar	-	430	430
1030 l/h Flow rate [24kW at Δt=20K]	mbar	-	-	280
Max. permissible total overpressure Hot water	bar	10	10	10
Hot water temperature range (adjustable)	°C	15-65	15-65	15-65
Water content of the heating water heat exchanger	Ltr.	1,3	1,3	1,3
Nominal content of Spiral pipe accumulator /				
Equivalent nominal capacity	Ltr.	145	145	145
Spec. water flow rate „D" at ΔT = 30K	l/min	19,7	21,4	21,7
Continuous hot water output according to DIN 4708	l/h [kW]	324 [13,6]	555 [22,6]	612 [25]
Performance index according to DIN 4708	NL	1,7	2	2,2
Hot water output power	l/10 min	162	176	182
Standby heat expenditure according to DIN EN 12897	kWh/24 h	1,47	1,47	1,47
Corrosion protection hot water heat exchanger / storage tanks		Stainless steel / double-layer enamelling to DIN 4753		
Expansion vessel Total contents	Ltr.	10	10	10
Expansion tank Form pressure	bar	0,75-0,95	0,75-0,95	0,75-0,95
Flue gas temperature 80/60-50/30 at Qmax	°C	62-45	70-50	76-50
Flue gas temperature 80/60-50/30 at Qmin	°C	30-25	30-25	33-27
Exhaust gas mass flow at Qmax	g/s	6,2	8,8/10,7 ¹⁾	10,9/13,0 ¹⁾
Exhaust gas mass flow at Qmin	g/s	0,9	1,8	2,3
Available delivery pressure of the gas blower at Qmax	Pa	90	90	90
Qmin	Pa	12	12	12
Abgaswertegruppe		G52	G52	G52
NOx class		6	6	6
Condensation water quantity at 50/30°C	Ltr./h	approx 1,4	approx 2,0	approx 2,4
pH value of the condensate		approx 4,0	approx 4,0	approx 4,0
Electrical power consumption Standby	W	3	3	3
Electrical power consumption maximum	W	17-59/45 ¹⁾	17-51/63 ¹⁾	17-62/88 ¹⁾
degree of protection	IP	IPX4D	IPX4D	IPX4D
Electrical connection/fuse protection		230V / 50Hz / 16A/B	230V / 50Hz / 16A/B	230V / 50Hz / 16A/B
total weight	kg	115 [35+80]	115 [35+80]	115 [35+80]
CE identification number		CE-0085C00098		

¹⁾ Heating operation/hot water operation

²⁾ Natural gas/liquid gas [G31]

The requirements of proKlima and KfW are met.

WOLF

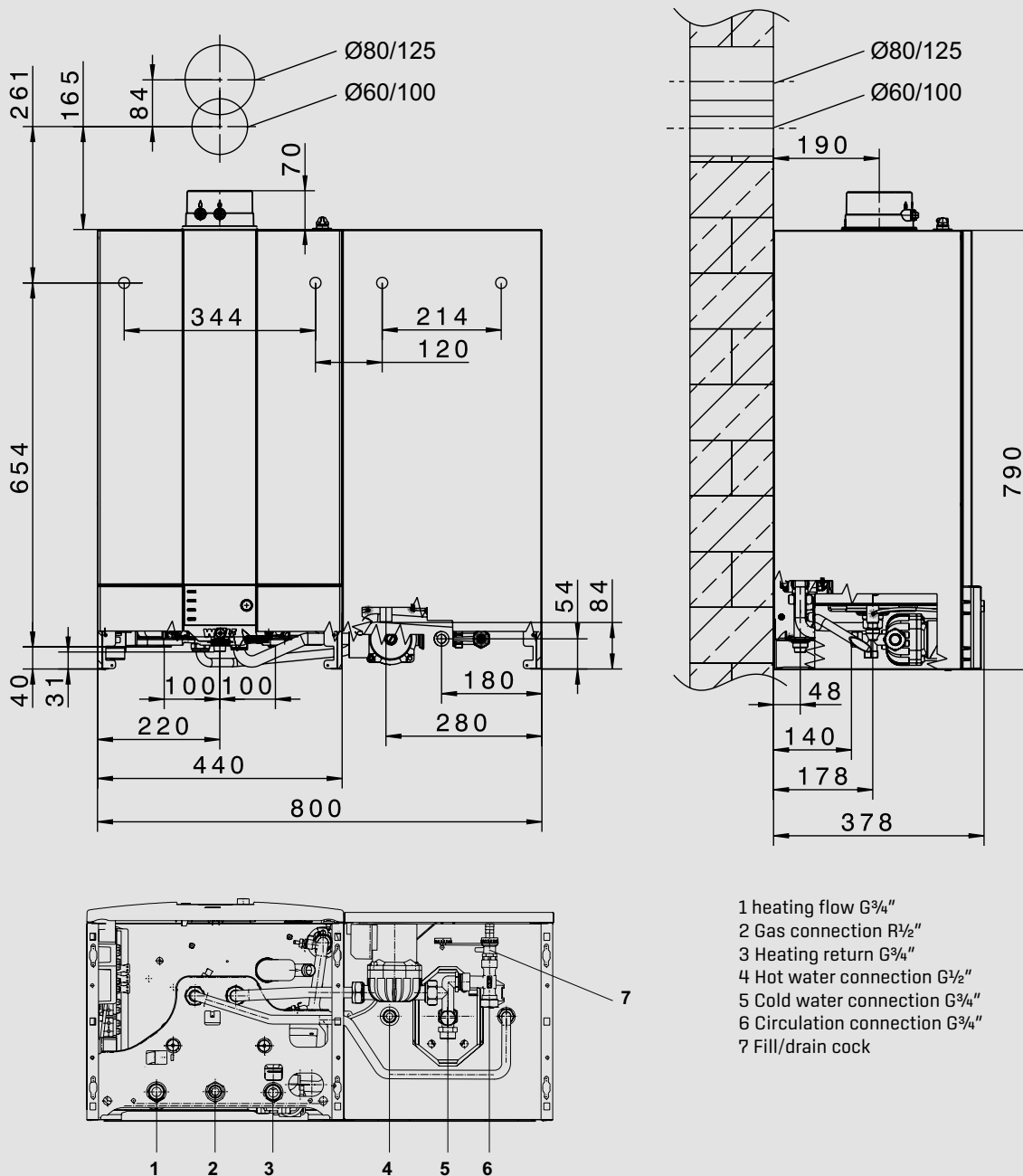
TECHNICAL DATA

GAS CONDENSING UNIT

CGW-2-14/100L

CGW-2-20/120L

CGW-2-24/140L



Typ	CGW-2	14/100L	20/120L	24/140L
Energy efficiency class Space heating		A	A	A
Energy efficiency class hot water preparation		A	A	A
Nominal heat output at 80/60°C	kW	13,5	18,9/22,2 ¹⁾	23,8/27,1 ¹⁾
Nominal heat output at 50/30°C	kW	15,2	20,4	25,8
nominal heat load	kW	14	19,6/23,0 ¹⁾	24,6/28,0 ¹⁾
Smallest heat output (modulating)				
at 80/60°C	kW	1,8/4,6 ²⁾	3,8/6,8 ²⁾	4,8/6,8 ²⁾
at 50/30°C	kW	2,1/5,4 ²⁾	4,4/7,4 ²⁾	5,6/7,4 ²⁾
Minimum thermal load (modulating)	kW	1,9/4,9 ²⁾	3,9/6,9 ²⁾	4,9/6,9 ²⁾
Heating flow connection	G	¾" [DN20]	¾" [DN20]	¾" [DN20]
Heating return connection	G	¾" [DN20]	¾" [DN20]	¾" [DN20]
Cold water connection / circulation	G	½"	½"	½"
cold water connection	G	¾"	¾"	¾"
gas connection	R	½"	½"	½"
Air/exhaust pipe connection	mm	60/100	60/100	60/100
Dimensions [mm]				
depth	mm	378	378	378
width	mm	800	800	800
height	mm	790	790	790
Air/exhaust gas ducting	Typ	B23P, B33P, C13(x), C33(x), C43(x), C53(x), C63(x), C83(x), C93(x), C[10]3x, C[11]3x		
Gas category		II _{2N3P}	II _{2N3P}	II _{2N3P}
Gas connection value				
Natural gas E/H [Hi=9.5kWh/m³=34.2M]/m³]	m³/h	1,44	2,06/2,42	2,52/2,95
Natural gas LL [Hi=8.6kWh/m³=31.0M]/m³]	m³/h	1,59	2,28/2,67	2,79/3,25
Liquid gas P [Hi=12.8kWh/m³=46.1M]/m³]	kg/h	1,07	1,53/1,80	1,87/2,19
Gas supply pressure				
Natural gas [min-max permissible]	mbar	20 [17-25]	20 [17-25]	20 [17-25]
Liquid gas [min-max permissible]	mbar	50 [42,5-57,5]	50 [42,5-57,5]	50 [42,5-57,5]
Standard efficiency at 40/30°C [Hi/Hs]	%	110/99	110/99	110/99
Standard efficiency at 75/60°C [Hi/Hs]	%	107/96	107/96	107/96
efficiency				
at nominal load at 80/60°C [Hi/Hs]	%	98/88	98/88	98/88
at 30% partial load and TR=30°C [Hi/Hs]	%	108/97	108/97	108/97
Flow temperature Factory setting	°C	75	75	75
Flow temperature to approx.	°C	90	90	90
Max. total excess pressure	bar	3	3	3
max. residual head f. heating circuit:				
high-efficiency pump [EEI <0.20]				
600 l/h flow rate [14kW at Δt=20K]	mbar	550	550	550
860 l/h flow rate [20kW at Δt=20K]	mbar	-	430	430
1030 l/h flow rate [24kW at Δt=20K]	mbar	-	-	280
Max. permissible total overpressure Hot water	bar	10	10	10
Hot water temperature range [adjustable]	°C	15-65	15-65	15-65
Water content of the heating water heat exchanger	Ltr.	1,3	1,3	1,3
Nominal content of the Stratified storage tank /				
Equivalent nominal capacity	Ltr.	44 / 100	44 / 120	44 / 140
Spec. water flow rate „D“ at ΔT = 30K	l/min	14,3	18	20
Hot water continuous output	l/h [kW]	366 [14,6]	560 [23,1]	684 [27,8]
Performance index according to DIN 4708	NL	0,8	1,1	1,5
Hot water output power	l/10 min	115	150	171
Standby heat expenditure according to DIN EN 12897	kWh/24 h	0,8	0,8	0,8
Corrosion protection hot water heat exchanger /				
storage tanks		Stainless steel	Stainless steel	Stainless steel
Expansion vessel Total contents	Ltr.	10	10	10
Expansion tank Form pressure	bar	0,75-0,95	0,75-0,95	0,75-0,95
Flue gas temperature 80/60-50/30 at Q _{max}	°C	62-45	70-50	76-50
Flue gas temperature 80/60-50/30 at Q _{min}	°C	30-25	30-25	33-27
Exhaust gas mass flow rate at Q _{max}	g/s	6,2	8,8/10,7 ¹⁾	10,9/13,0 ¹⁾
Exhaust gas mass flow rate at Q _{min}	g/s	0,9	1,8	2,3
Available delivery pressure of the gas blower				
bei Q _{max}	Pa	125	135	180
bei Q _{min}	Pa	10	14	17
emission value group		G52	G52	G52
NOx class		6	6	6
Condensation water quantity at 50/30°C		approx 1,4	approx 2,0	approx 2,4
pH value of the condensate		approx 4,0	approx 4,0	approx 4,0
Electrical power consumption Standby	W	3	3	3
Electrical power consumption maximum	W	17-45/93 ¹⁾	17-51/110 ¹⁾	17-62/135 ¹⁾
degree of protection	IP	IPX4D	IPX4D	IPX4D
Electrical connection/fuse protection		230V / 50Hz / 16A/B	230V / 50Hz / 16A/B	230V / 50Hz / 16A/B
total weight	kg	54 [35+19]	54 [35+19]	54 [35+19]
CE identification number		CE-0085C00098		

¹⁾ Heating operation/hot water operation

²⁾ Natural gas/liquid gas [G31]

The requirements of proKlima and KfW are met.

WOLF

TECHNICAL DATA

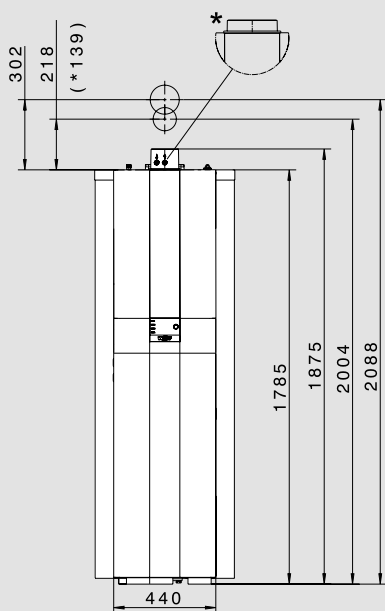
GAS CONDENSING SOLAR UNIT

CSZ-2-14/300R

CSZ-2-20/300R

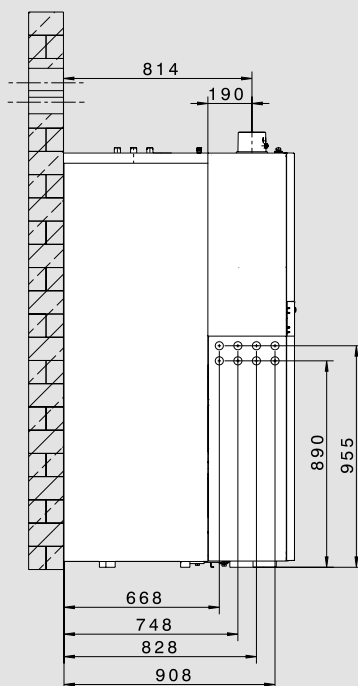
CSZ-2-24/300R

CSZ-2R
Front view

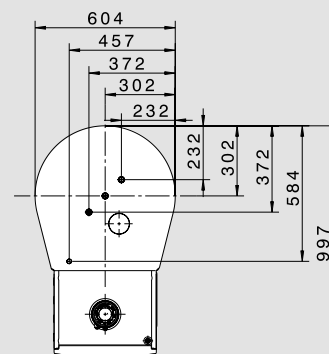


*optional instrument version
(depending on country version)

CSZ-2R
Side view



CSZ-2R
Top view



Hinge the control cover on the left

TYP	CSZ-2	14/300R	20/300R	24/300R
Nominal heat output at 80/60°C	kW	13,5	18,9/22,2 ¹⁾	23,8/27,1 ¹⁾
Nominal heat output at 50/30°C	kW	15,2	20,4	25,8
Nominal heat load	kW	14	19,6/23,0 ¹⁾	24,6/28,0 ¹⁾
Smallest heat output (modulating) at 80/60°C	kW	1,8/4,6 ²⁾	3,8/6,8 ²⁾	4,8/6,8 ²⁾
at 50/30°C	kW	2,1/5,4 ²⁾	4,4/7,4 ²⁾	5,6/7,4 ²⁾
Smallest heat output (modulating)	kW	1,9/4,9 ²⁾	3,9/6,9 ²⁾	4,9/6,9 ²⁾
Heating flow connection	G	3/4" [DN20]	3/4" [DN20]	3/4" [DN20]
Heating return connection	G	3/4" [DN20]	3/4" [DN20]	3/4" [DN20]
Hot water connection	G	3/4"	3/4"	3/4"
Cold water connection / circulation	G	3/4"	3/4"	3/4"
Gas connection	R	1/2"	1/2"	1/2"
Air/exhaust pipe connection	mm	60/100	60/100	60/100
Air/exhaust gas ducting	Typ	B23P, B33P, C13(x), C33(x), C43(x), C53(x), C63(x), C83(x), C93(x), C(10)3x, C(11)3x		
gas category	m³/h	II _{2N3B/P}	II _{2N3B}	II _{2N3B}
gas connected load	m³/h	1,44	2,06/2,42	2,52/2,95
Natural gas E/H (Hi=9.5kWh/m³=34.2MJ/m³)	m³/h	1,59	2,28/2,67	2,79/3,25
Natural gas LL (Hi=8.6kWh/m³=31.0MJ/m³)	m³/h	1,07	1,53/1,80	1,87/2,19
Liquid gas P (Hi=12.8kWh/m³=46.1MJ/m³)	kg/h			
gas supply pressure				
Natural gas (min-max permissible)	mbar	20 [17-25]	20 [17-25]	20 [17-25]
Liquid gas (min-max permissible)	mbar	50 [42,5-57,5]	50 [42,5-57,5]	50 [42,5-57,5]
Standard efficiency at 40/30°C (Hi/Hs)	%	110/99	110/99	110/99
Standard efficiency at 75/60°C (Hi/Hs)	%	107/96	107/96	107/96
efficiency				
at nominal load at 80/60°C (Hi/Hs)	%	98/88	98/88	98/88
at 30% part load and TR=30°C (Hi/Hs)	%	109/98	109/98	109/98
Flow temperature Factory setting	°C	75	75	75
Flow temperature to approx	°C	90	90	90
max. total overpressure heating circuit	bar	3	3	3
Residual head f. heating circuit:				
High-efficiency pump (EEI <0.20)	mbar	550	550	550
600 l/h flow rate [14kW at Δt=20K]				
860 l/h flow rate [20kW at Δt=20K]	mbar	-	430	430
1030 l/h flow rate [24kW at Δt=20K]	mbar	-	-	280
Max. permissible total overpressure Hot water	bar	10	10	10
Hot water temperature range (adjustable)	°C	15-65	15-65	15-65
Water content of the	Ltr.	7,4 / 10,2	7,4 / 10,2	7,4 / 10,2
Heat exchanger heating / solar				
nominal capacity of the storage tank	Ltr.	285	285	285
Spec. water flow rate „D“ at ΔT = 30K	l/min	20,5	24,5	24,5
Hot water continuous output	l/h [kW]	366 [14,6]	560 [23,1]	684 [27,8]
Performance index according to DIN 4708	NL	1,5	2,3	2,3
Hot water output power	l/10 min	175	210	210
Standby heat expenditure according to DIN EN 12897	kWh/24 h	2,3	2,3	2,3
Corrosion protection storage tank		Double layer enamel according to DIN 4753		
Expansion vessel Total capacity	Ltr.	10	10	10
Expansion vessel Form	bar	0,75-0,95	0,75-0,95	0,75-0,95
Exhaust gas temperature 80/60-50/30 at Qmax	°C	62-45	70-50	76-50
Exhaust gas temperature 80/60-50/30 at Qmin	°C	30-25	30-25	33-27
Exhaust gas mass flow at Qmax	g/s	6,2	8,8/10,7 ¹⁾	10,9/13,0 ¹⁾
Exhaust gas mass flow rate at Qmin	g/s	0,9	1,8	2,3
available delivery pressure of the gas blower				
at Qmax	Pa	125	135	180
at Qmin	Pa	10	14	17
Emission value group		G52	G52	G52
NOx class		6	6	6
Condensation water quantity at 50/30°C	Ltr./h	approx 1,4	approx 2,0	approx 2,4
pH value of the condensate		approx 4,0	approx 4,0	approx 4,0
Electrical power consumption Standby	W	3	3	3
Electrical power consumption maximum	W	17-45/59 ¹⁾	17-51/63 ¹⁾	17-62/88 ¹⁾
degree of protection	IP	IPX4D	IPX4D	IPX4D
Electrical connection/fuse protection		230V / 50Hz / 16A/B		
total weight	kg	160 [35+125]	160 [35+125]	160 [35+125]
Installation weight (filled with water)	kg	583	583	583
CE identification number Gas condensing boiler		CE-0085C00098		

¹⁾ Heating operation/hot water operation

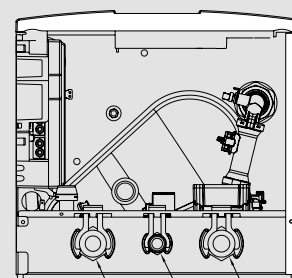
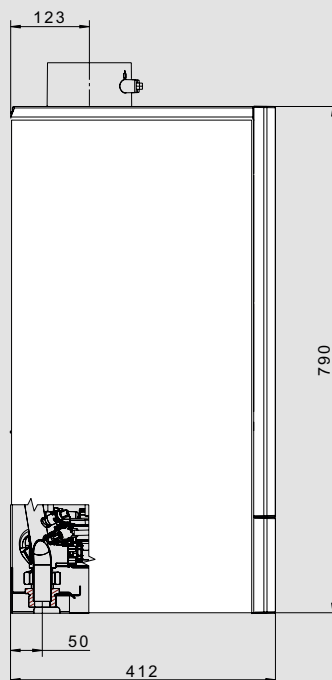
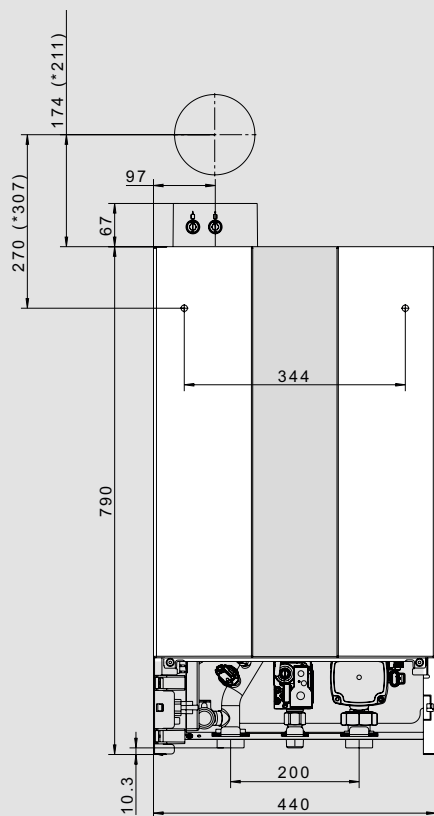
²⁾ Natural gas/liquid gas (G31)

The requirements of proKlima and KfW are met.

WOLF

TECHNICAL DATA

Gas condensing boiler CGB-2-38/55



- 3 Heating return G 1 1/4"
- 2 Gas connection R 3/4"
- 1 Heating flow G 1 1/4"

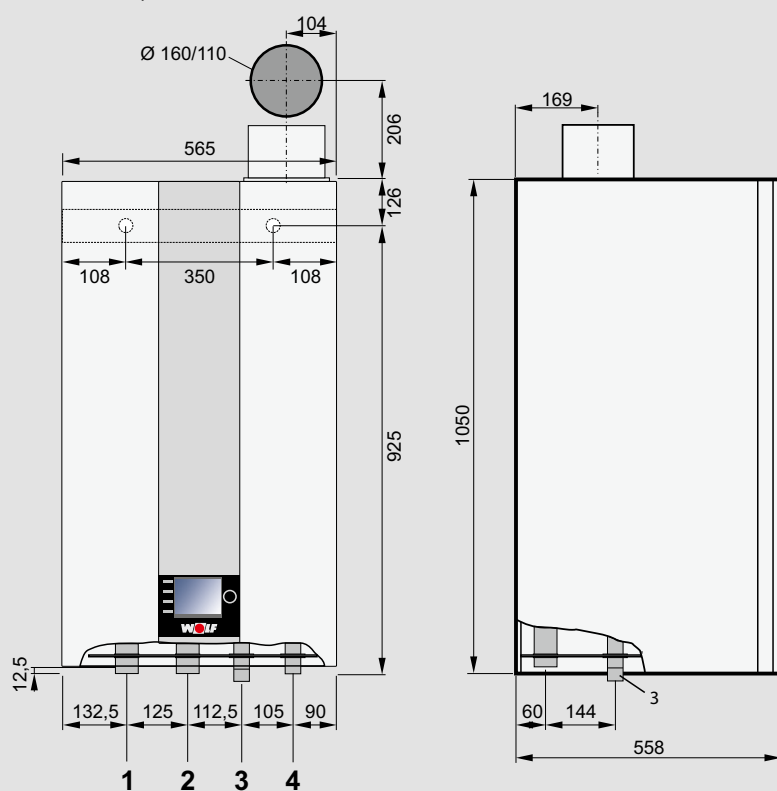
Typ	CGB-2	38	55
Nominal heat output at 80/60°C	kW	34,9	51,1
Nominal heat output at 50/30°C	kW	38,0	55,0
Space heating energy efficiency S	%	94	94
Nominal heat load	kW	36,4	53,3
Smallest heat output (mod. at 80/60)			
Natural gas	kW	5,3	7,8
Liquid gas	kW	6,7	9,8
Smallest heat output (mod. at 50/30)			
Natural gas	kW	6,3	9,2
LPG	kW	7,6	11,0
Smallest heat load (mod. at 50/30)			
Natural gas	kW	6,3	9,1
Liquid gas	kW	7,3	10,5
Seasonal space heating energy efficiency	%	94	94
Energy efficiency class		A	A
Indoor sound power level	dB[A]	52	55
Heating flow outer Ø	G	1¼"	1¼"
Heating return Outer Ø	G	1¼"	1¼"
Waste water connection (condensate)		1"	1"
Gas connection	R	¾"	¾"
Air / exhaust pipe connection	mm	80/125	80/125
Dimensions HxWxD	mm	790x440x412	790x440x412
Gas connection value:			
Natural gas E/H (Hi = 9,5 kWh/m³ = 34,2 MJ/m³)	m³/h	3,83	5,61
Natural gas LL (Hi = 8,6 kWh/m³ = 31,0 MJ/m³) 1)	m³/h	4,23	6,20
Liquid gas P (Hi = 12,8 kWh/kg = 46,1 MJ/kg) 4)	kg/h	2,84	4,16
Gas connection pressure:			
Natural gas	mbar	20	20
Liquid gas	mbar	50	50
Factory setting maximum flow temperature	°C	75	75
max. Total overpressure heating	bar/MPa	6/0,6	6/0,6
Water content of the heating water heat exchanger	Ltr.	2,7	2,7
Hot water temperature range (adjustable)	°C	15-65	15-65
Nominal heat output:			
Exhaust gas mass flow	g/s	17,5	25,6
Exhaust gas temperature 80/60 - 50/30	°C	62/49	72/57
Available delivery pressure of the gas blower	Pa	159	164
Minimum heat load:			
Exhaust gas mass flow	g/s	3,0	4,4
Exhaust gas temperature 80/60 - 50/30	°C	59/37	60/37
Available delivery pressure of the gas blower	Pa	7[10]*	7[10]*
NOx class		6	6
Electrical connection	V~/Hz	230V 50Hz	230V 50Hz
Built-in fuses	A	M 4A (5x20mm), T 1,25A (Micro fuse)	
Electrical power consumption with Heating circuit pump modulating / Class A	max	135W	160W
Electrical power consumption with Heating circuit pump modulating / Class A	Standby	3W	3W
Protection class		IPx4D	IPx4D
Total weight (empty)	kg	47	47
Amount of condensate at 40/30°C	Ltr./h	2,7	3,4
pH-value of condensate		ca. 2,8	ca. 2,8
CE- identification number		CE-0085CU0300	CE-0085CU0300

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TECHNICAL DATA

GAS CONDENSING BOILERS

CGB-2-75/100



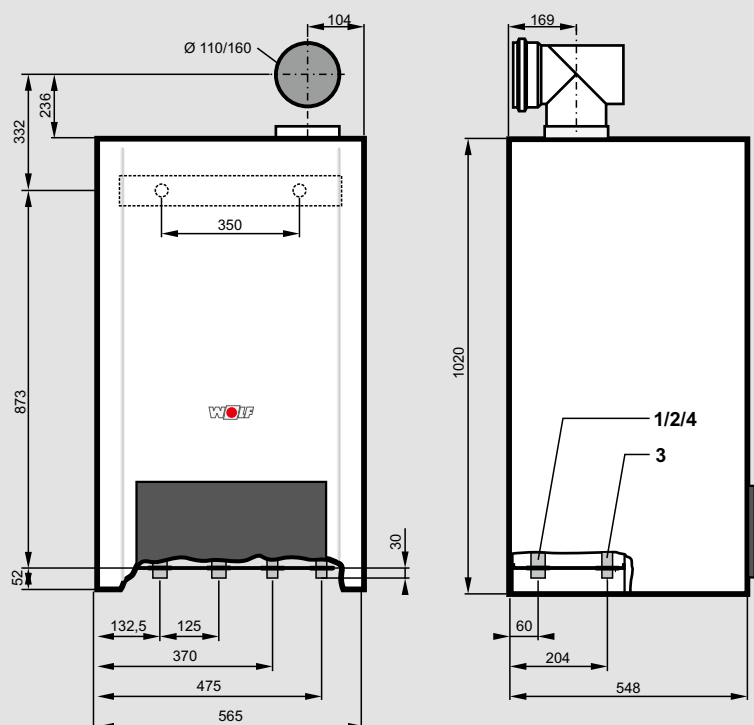
Typ	CGB-2	75	100
Space heating energy efficiency class		A	-
Space heating energy efficiency S	%	95	
Nominal heat output at 80/60°C	kW	70,8	91,1
Nominal heat load at 50/30°C	kW	75,8	98,7
Nominal heat load	kW	71,5	94,0
Minimum heat output [mod. at 80/60]			
Natural gas E/H	kW	14,9	14,9
Liquid gas P	kW	19,7	19,7
Smallest heat output [mod. at 50/30]			
Natural gas E/H	kW	15,9	15,9
Liquid gas P	kW	21,2	21,2
Smallest heat load [mod. at 50/30]			
Natural gas E/H	kW	15,0	15,0
Liquid gas P	kW	20,0	20,0
Heating flow outside-Ø	G	1½"	1½"
Heating return outside-Ø	G	1½"	1½"
Waste water connection [condensate]		1"	1"
Gas connection	R	¾"	¾"
Air / exhaust gas pipe connection	mm	110/160	110/160
Dimensions HxWxD	mm	1050x565x548	1050x565x548
Gas connection value:			
Natural gas E/H [Hi = 9,5 kWh/m³ = 34,2 MJ/m³]	m³/h	7,53	9,89
Natural gas LL [Hi = 8,6 kWh/m³ = 31,0 MJ/m³] 1]	m³/h	8,31	10,93
Liquid gas P [Hi = 12,8 kWh/kg = 46,1 MJ/kg]	kg/h	5,59	7,34
Gas connection pressure:			
Natural gas	mbar; hPa	20	20
Liquid gas	mbar; hPa	50	50
Factory setting maximum flow temperature	°C	80	80
Max. Total overpressure heating	bar / MPa	6 / 0,6	6 / 0,6
Water content of the heating water heat exchanger	Ltr.	10	10
Hot water temperature range [adjustable]	°C	15-65	15-65
Heating water resistance at 20 K spread	mbar; hPa	86	159
Nominal heat output:			
Exhaust gas mass flow	g/s	32,2	42,4
Exhaust gas temperature 50/30 - 80/60	°C	55-79	65-91
Available delivery pressure of the gas blower	Pa	120	216
Minimum heat load:			
Exhaust gas mass flow	g/s	6,9	6,9
Exhaust gas temperature 50/30 - 80/60	°C	36-60	36-60
Available delivery pressure of the gas blower	Pa	6	6
Exhaust gas value group according to DVGW G 635		G52	G52
NOx class		6	6
Electrical connection	V~/Hz	230/50	230/50
Built-in fuse [medium time-lag]	A	4	4
Electrical power consumption	W	93	159
Protection class		IP20	IP20
Total weight [empty]	kg	94	94
Condensate amount at 40/30°C	Ltr./h	7,1	9,8
pH-value of condensate		ca. 4	ca. 4
CE identification number		CE-0085DL0287	CE-0085DL0287

Energy labeling according to Ecodesign Directive for space heating with thermal output ≤ 70 kW

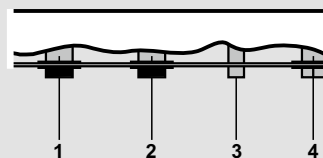
WOLF

TECHNICAL DATA

WALL MOUNTED GAS CONDENSING BOILER CGB-75/100



- 1 heating flow
2 Heating return
3 Condensate water drain
4 Gas connection



Typ	CGB	75	100
Energy efficiency class Space heating ⁴⁾		A	A
Nominal heat output at 80/60°C	kW	70,1	91,9
Nominal heat output at 50/30°C	kW	75,8	98,8
Nominal heat load	kW	71,5	94
KL heat output (modulating) at 80/60°C	kW	18,2	18,2
KL heat output (modulating) at 50/30°C	G	19,6	19,6
KL heat load (modulating)	G	18,5	18,5
Heating flow Outer diameter	G	1 1/4"	1 1/2"
Heating return Outer diameter	G	1 1/4"	1 1/2"
Gas category		II _{2ELL3P}	II _{2ELL3P}
Gas connection value:			
Natural gas E/H (Hi = 9.5 kWh/m ³ = 34.2 MJ/m ³)	m ³ /h	7,77	10,03
Natural gas LL (Hi = 8.6 kWh/m ³ = 31.0 MJ/m ³) ²⁾	m ³ /h	8,6	11,11
Liquid gas (Hi = 12.8 kWh/kg = 46.1 MJ/kg)	kg/h	5,76	7,44
Gas supply pressure natural gas (min-max permissible)	mbar	20 [18-25]	20 [18-25]
Gas supply pressure liquid gas (min-max permissible)	mbar	50 [43-57]	50 [43-57]
Air/exhaust gas connection	Typ	B23, B33, C13x ³⁾ , C33x, C43x, C53, C53x, C63, C83x, C93x	
Standard efficiency at 40/30°C (Hi/Hs)	%	110/99	110/99
Standard efficiency at 75/60°C (Hi/Hs)	%	107/96	107/96
Efficiency at 30% partial load and TR=30°C (Hi/HS)	%	107/96	107/96
Flow temperature Factory setting	°C	80	80
Flow temperature to approx	°C	90	90
Max. Total overpressure	bar	6,0	6,0
Residual head for heating circuit:			
3000 l/h flow rate [70kW with Δt=20K]	mbar	300	-
4000 l/h flow rate [92kW at Δt=20K]	mbar	-	80
Water content of the heating water heat exchanger	Ltr.	10	10
perm. sensor temperatures	°C	95	95
Exhaust gas mass flow at Q _{max}	°C	33,7	43,5
Exhaust gas mass flow rate at Q _{min}	g/s	8,9	8,9
Exhaust gas temperature 80/60-50/30 at Q _{max}	g/s	72-48	78-53
Exhaust gas temperature 80/60-50/30 at Q _{min}	°C	60-36	60-36
Available delivery pressure of the gas blower at Q _{max}	°C	145	200
Available delivery pressure of the gas blower at Q _{min}	Pa	12	12
Exhaust value group according to DVGW G 635	Pa	G52	G52
NOx class		6	6
Condensation water quantity at 50/30°C	Ltr./h	approx 7,1	approx 9,8
pH value of the condensate		approx 4,0	approx 4,0
Electrical connection	V~/Hz	230/50	230/50
Built-in fuse (medium delay)		3,15	3,15
Electr. power consumption with 3-stage heating circuit pump	W	7,5	130
degree of protection		IPX4D	IPX4D
Total weight (empty)	kg	92	92
CE identification number		0085BR0164	

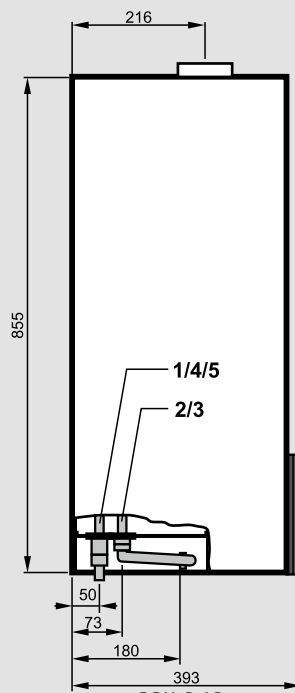
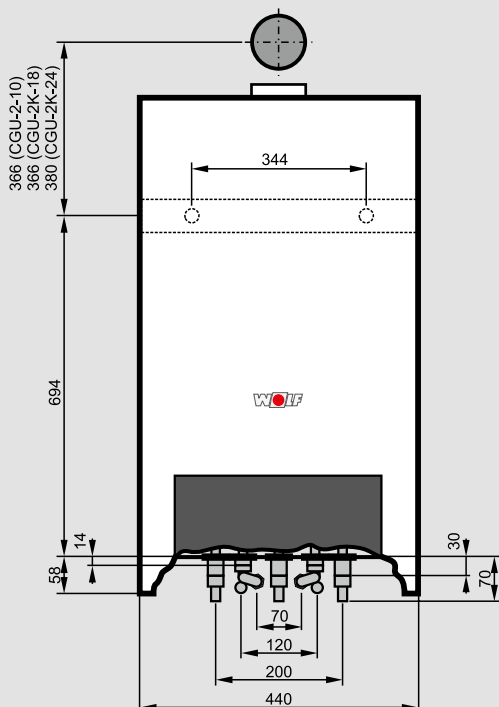
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TECHNICAL DATA

GAS BOILER

CGU-2-10 to 03/2021

CGU-2K-18/24 to 03/2021

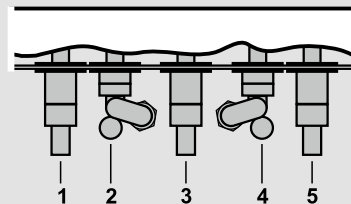


CGU-2:

- 1 Heating flow
- 2 Storage tank flow
- 3 Gas connection
- 4 Storage tank return
- 5 Heating return

CGU-2K:

- 1 Heating flow
- 2 Hot water connection
- 3 Gas connection
- 4 cold water connection
- 5 Heating return



Typ

Energy efficiency class space heating

Energy efficiency class water heating

Space heating energy efficiency η_s

Power range

Load range

Standard efficiency at 75/60 °C (Hi/Hs)

Width

Height

Depth

Exhaust pipe/wall distance

Flue gas pipe connection \varnothing

Connection type for air/flue gas duct

Gas category

Gas connection, outside \varnothing

Heating flow, outside \varnothing

Heating return, outside \varnothing

Cold water connection

Hot water connection

Expansion vessel Nominal capacity

Expansion vessel Pre-pressure

Maximum outlet temperature²⁾

at a tapping quantity of

Gas connection value:

Natural gas E/H (Hi = 9.5 kWh/m³ = 34.0 MJ/ m³)

Natural gas LL (Hi = 8.1 kWh/m³ = 29.2 MJ/ m³)

Liquid gas (Hi = 12.9 kWh/kg = 46.3 MJ/kg)

Gasanschlussdruck:

Erdgas

Flüssiggas

Max. Gesamtüberdruck Heizung

Notw. Förderdr. für den Wärmeerzeuger

Abgastemperatur¹⁾

Abgasmassenstrom

Gesamtgewicht

Indoor sound power level

Built-in fuse (medium time-lag)

Protection class

Electrical connection

Electrical power consumption / standby

CE identification number

CGU-2-10

CGU-2K-18

CGU-2K-24

Energy efficiency class space heating		C	C	C
Energy efficiency class water heating		-	A	A
Space heating energy efficiency η_s	%	77	78	79
Power range	kW	7,5-10	8-18	10,9-24
Load range	kW	8,3-11,2	8,8-20,2	12,0-26,5
Standard efficiency at 75/60 °C (Hi/Hs)	%	-	94/85	92/83
Width	mm	440	440	440
Height	mm	855	855	855
Depth	mm	393	393	393
Exhaust pipe/wall distance	mm	226	226	226
Flue gas pipe connection \varnothing	mm	110	110	130
Connection type for air/flue gas duct	Typ	B _{11BS}	B _{11BS}	B _{11BS}
Gas category		II _{2ELL3P} (DE)	II _{2ELL3P} (DE)	I _{12ELL3P} (DE)
Gas connection, outside \varnothing	G	1/2"	1/2"	1/2"
Heating flow, outside \varnothing	G	3/4"	3/4"	3/4"
Heating return, outside \varnothing	G	3/4"	3/4"	3/4"
Cold water connection	G	3/4"	3/4"	3/4"
Hot water connection	G	3/4"	3/4"	3/4"
Expansion vessel Nominal capacity	ltr.	10	10	10
Expansion vessel Pre-pressure	bar	0,75	0,75	0,75
Maximum outlet temperature ²⁾	°C	-	55	55
at a tapping quantity of	l/min	-	2,7-5,8	2,7-7,7
Gas connection value:				
Natural gas E/H (Hi = 9.5 kWh/m ³ = 34.0 MJ/ m ³)	m ³ /h	1,3	2,1	2,8
Natural gas LL (Hi = 8.1 kWh/m ³ = 29.2 MJ/ m ³)	m ³ /h	1,5	2,3	3,1
Liquid gas (Hi = 12.9 kWh/kg = 46.3 MJ/kg)	kg/h	0,8	1,5	2,1
Gasanschlussdruck:				
Erdgas	mbar	20	20	20
Flüssiggas	mbar	50	50	50
Max. Gesamtüberdruck Heizung	bar	3	3	3
Notw. Förderdr. für den Wärmeerzeuger	Pa	1,5	1,5	1,5
Abgastemperatur ¹⁾	°C	84/101	80/123	80/125
Abgasmassenstrom	g/s	12,8/13,1	12,8/13,9	15,0/19,0
Gesamtgewicht	kg	39	39	41
Indoor sound power level	dB(A)	36	40	44
Built-in fuse (medium time-lag)	A	3,15	3,15	3,15
Protection class		IPX4D	IPX4D	IPX4D
Electrical connection		230V/50 Hz	230V/50 Hz	230V/50 Hz
Electrical power consumption / standby	W	83 / 6	83 / 6	83 / 6
CE identification number		CE-0085BS0516	CE-0085BS0516	CE-0085BS0516

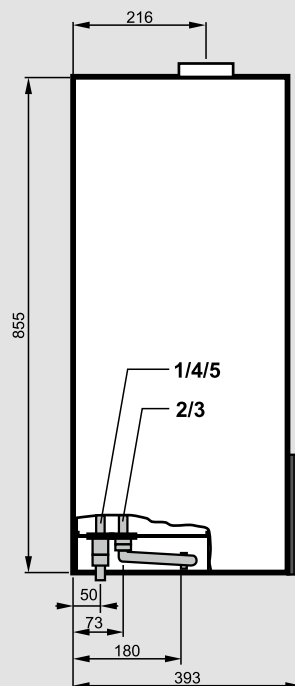
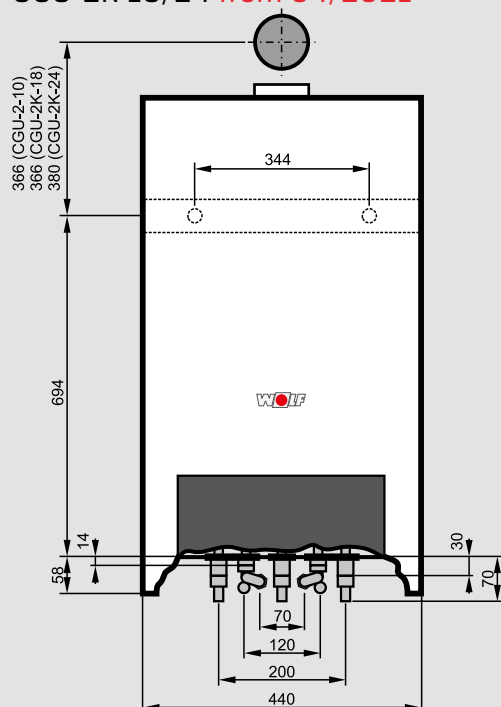
¹⁾ to be observed when connecting to a chimney.

²⁾ related to a cold water temperature of 10 °C

GAS BOILER

CGU-2-10 from 04/2021

CGU-2K-18/24 from 04/2021

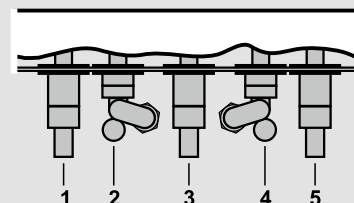


CGU-2:

- 1 Heating flow
- 2 Storage tank flow
- 3 Gas connection
- 4 Storage tank return
- 5 Heating return

CGU-2K:

- 1 Heating flow
- 2 Hot water connection
- 3 Gas connection
- 4 cold water connection
- 5 Heating return



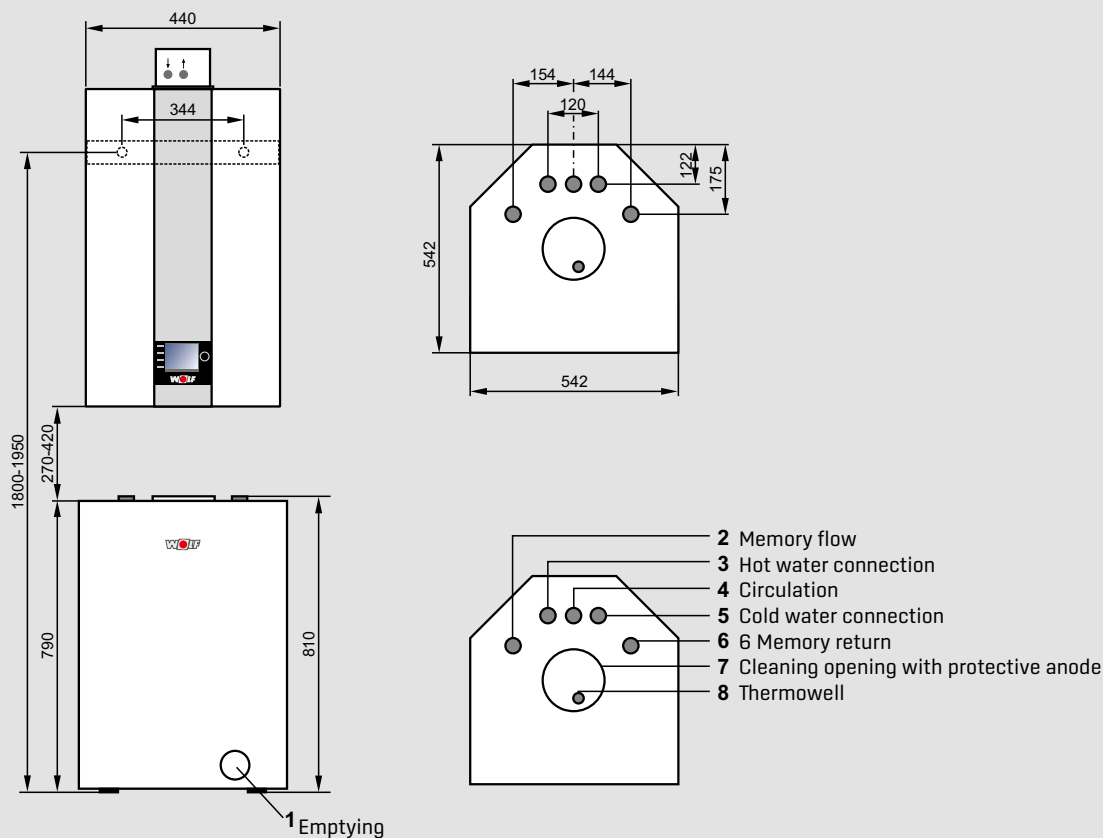
Typ		CGU-2-10	CGU-2K-18	CGU-2K-24
Energy efficiency class space heating		C	C	C
Energy efficiency class water heating		-	A	A
Space heating energy efficiency η_s	%	77	78	79
Power range	kW	7,5-10	8-18	10,9-24
Load range	kW	8,3-11,2	8,8-20,2	12,0-26,5
Standard efficiency at 75/60 °C (Hi/Hs)	%	-	94/85	92/83
Width	mm	440	440	440
Height	mm	855	855	855
Depth	mm	393	393	393
Exhaust pipe/wall distance	mm	226	226	226
Flue gas pipe connection \varnothing	mm	110	110	130
Connection type for air/flue gas duct	Typ	B _{11BS}	B _{11BS}	B _{11BS}
Gas category		II _{2ELL3P} (DE)	II _{2ELL3P} (DE)	I _{12ELL3P} (DE)
Gas connection, outside \varnothing	G	1/2"	1/2"	1/2"
Heating flow, outside \varnothing	G	3/4"	3/4"	3/4"
Heating return, outside \varnothing	G	3/4"	3/4"	3/4"
Cold water connection	G	3/4"	3/4"	3/4"
Hot water connection	G	3/4"	3/4"	3/4"
Expansion vessel Nominal capacity	ltr.	10	10	10
Expansion vessel Pre-pressure	bar	0,75	0,75	0,75
Maximum outlet temperature ²⁾	°C	-	65	65
Gas connection value:				
Natural gas E/H (Hi = 9,5 kWh/m ³ = 34,0 MJ/ m ³)	m ³ /h	1,3	2,1	2,8
Natural gas LL (Hi = 8,1 kWh/m ³ = 29,2 MJ/ m ³)	m ³ /h	1,5	2,3	3,1
Liquid gas (Hi = 12,9 kWh/kg = 46,3 MJ/kg)	kg/h	0,8	1,5	2,1
Gasanschlussdruck:				
Erdgas	mbar	20	20	20
Flüssiggas	mbar	50	50	50
Max. Total overpressure heating	bar	3	3	3
Notw. flow rate for the heat generator	Pa	1,5	1,5	1,5
Exhaust gas temperature ¹⁾	°C	84/101	80/123	80/125
Exhaust gas mass flow	g/s	12,8/13,1	12,8/13,9	15,0/19,0
Total weight	kg	38	38	40
Indoor sound power level	dB(A)	36	40	44
Built-in fuse (medium time-lag)	A	3,15	3,15	3,15
Protection class		IPX4D	IPX4D	IPX4D
Electrical connection		230V/50 Hz	230V/50 Hz	230V/50 Hz
Elektrische Leistungsaufnahme / Standby	W	58 / 6	58 / 6	58 / 6
CE identification number		CE-0085BS0516	CE-0085BS0516	CE-0085BS0516

¹⁾ to be observed when connecting to a chimney.²⁾ related to a cold water temperature of 10 °C

WOLF

TECHNICAL DATA

DHW STORAGE TANK CSW-120



TYP	CSW	120
Memory content	Ltr.	115
Continuous storage capacity (80/60 - 10/45° C)	kW - Ltr./h	29 - 710
Standby heat expenditure	kWh/24h	1,11
Key performance indicator	NL	1
Permissible operating overpressure hot water	bar	10
Permissible operating overpressure heating water	bar	12
max. permissible storage tank water temperature	°C	95
max. permissible heating water temperature	°C	110
Cold water connection	G	3/4"
Hot water connection	G	3/4"
Memory flow	R	3/4"
Memory return	R	3/4"
Circulation	G	3/4"
Emptying	Rp	1/2"
Thermowell	Ø mm	12
Kerb weight	kg	65

WOLF


FLUE GAS SYSTEMS

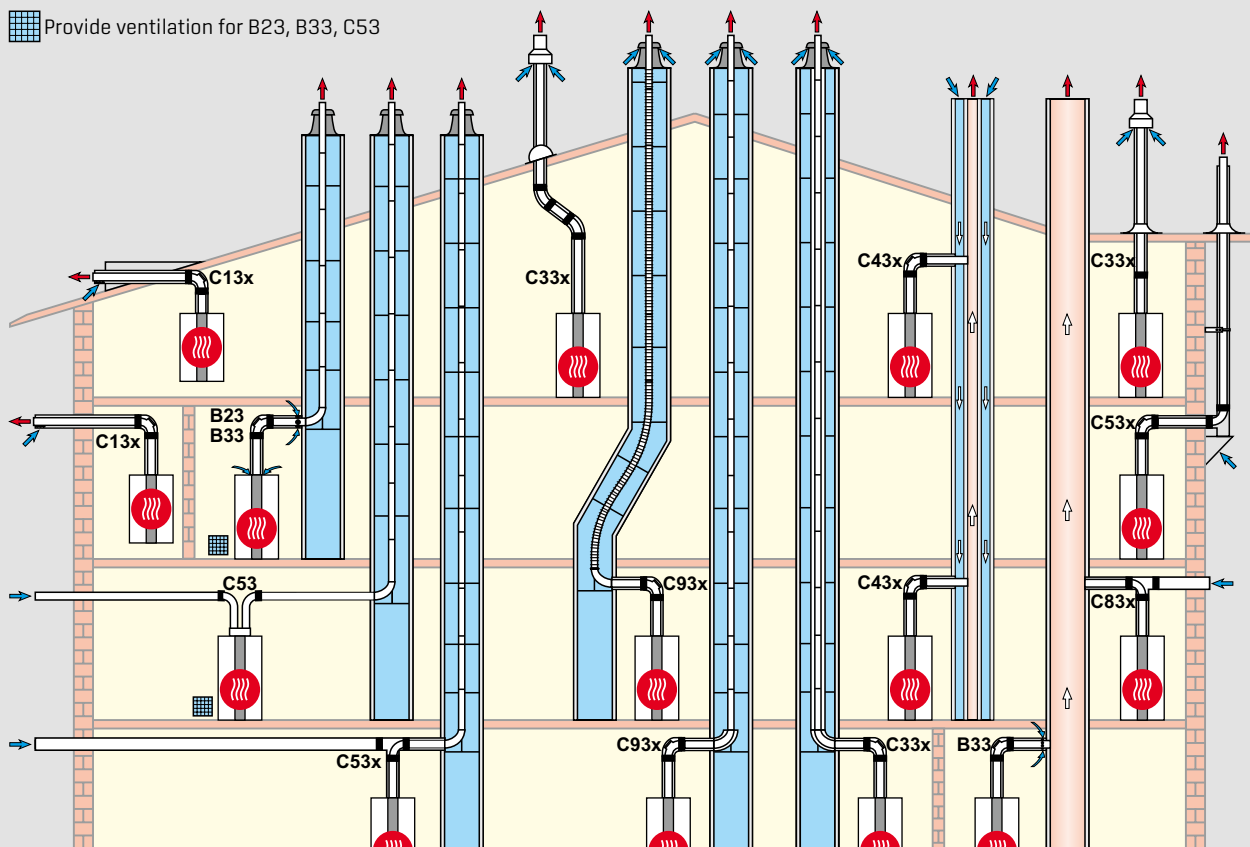
KIT UP TO 100KW	3
ACCESSORIES SINGLE-WALLED / CONCENTRIC UP TO 100KW	14
KIT C33 VERTICAL ROOF THROUGH TO 100KW	21
KIT C53X FACADE SYSTEM UP TO 100KW	23
MULTIPLE OCCUPATION AND CASCADES FROM 100KW	26
ACCESSORIES SINGLE-WALLED / CONCENTRIC FROM 100KW	35
MULTIPLE OCCUPATION AND CASCADES FROM 300KW	42
FLUE GAS ROUTING HEATING VALUE BOILERS	45
CASCADES	46

WOLF

SYSTEM OVERVIEW

CONDENSING BOILERS UP TO 100 KW

 Provide ventilation for B23, B33, C53



Design variants

Manner

B23	Exhaust pipe in the shaft and combustion air directly above the unit (depending on room air)
B33	Chimney pipe in shaft with horizontal concentric connection pipe (depending on room air)
B33	Connection to moisture-insensitive flue gas stack with horizontal concentric connection pipe (depending on room air)
C13x	Horizontal roof lead-through through sloping roof (room air-independent - roof dormer on site) Attention, not permitted for oil devices!
C33x	Vertical concentric roof lead-through through sloping roof or flat roof, vertical concentric air/flue gas duct for shaft installation (room air independent)
C43x	Connection to a moisture-insensitive air/flue stack (LAS), Maximum pipe length from centre of device bend to connection 3m (room air-independent)
C53	Connection to flue gas duct in shaft and supply air duct through outer wall (room air-independent), 3m supply air duct incl.
C53x	Connection to flue pipe on the facade (room air-independent) Combustion air intake via external wall bracket
C53x	Connection to flue pipe in shaft and supply air through outside wall (room air-independent)
C83x	Connection concentrically to moisture-insensitive flue gas stack and combustion air through external wall (room air-independent)
C93x	Exhaust pipe for shaft installation

Note: The heat generators are also suitable for installation in frost-proof garages in room air-independent operation.

The installation examples may have to be adapted to the building and national regulations. Questions on installation, in particular for the installation of inspection parts and supply air openings (ventilation over 50kW is generally required), must be connected before installation with to the responsible district chimney sweep.

The length specifications refer to the concentric air/flue gas duct and flue gas ducts and only to original WOLF parts.

The air/flue systems DN60/100 and DN80/125 are system-certified with the WOLF gas condensing boilers.

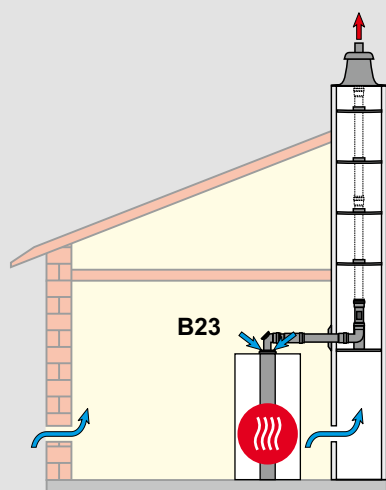
Please observe the maximum length of the horizontal flue pipe in accordance with the installation instructions for the heat generator.

The following air/flue gas lines or flue gas lines with CE-0036-CPD-9169003 approval may be used:

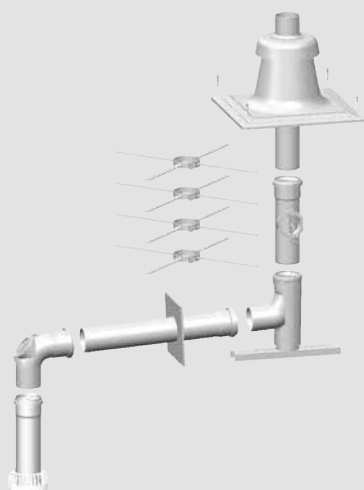
- Flue pipe DN60 to DN200
- Concentric air/flue gas duct DN60/100 to DN200/300
- Concentric air/flue gas duct (on the facade) DN80/125 to DN110/160
- Flexible exhaust pipe DN60, DN83 and DN110

The required identification plates are enclosed with the respective WOLF accessories.

The mounting instructions enclosed with the accessories must also be observed.



Flue for **B23** shaft installation and combustion air directly via boiler, **open flue version**



„Consisting of:
ventilation air grille, flue 250 mm long, 87° inspection bend, flue 500 mm long, pipe collar, 87° support bend incl. support rail, inspection piece, 4 spacers, shaft cover with integral air/flue gas duct and terminal.”

Note: A flue of appropriate length can be used for support instead of the support rail.

RG | H40

shaft cover	Anschluss-Set riser pipe	DN60	DN80	DN80	DN110
		DN60	DN80	DN110	DN110
plastic	Art. no.	2651901	2651858		
	€	360.00	360.00		
stainless steel	Art. no.	2651900	2651520	2651991	2651572
	€	294.00	294.00	391.00	461.00

„Wall mounted oil condensing boilers up to 18 kW: an additional reducer from DN80/125 to DN60/100 (part no. 2651951) is required for connection to the DN60/100 system. Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system.”

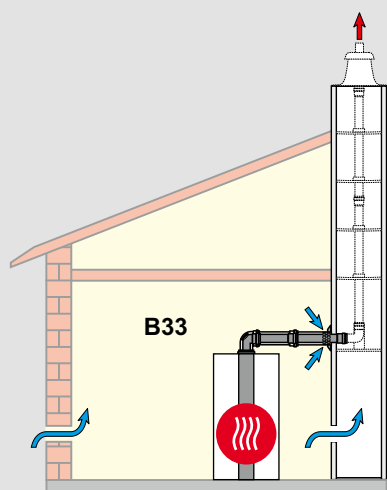
Maximallänge [m]:

Ölbrennwert		TOB-18	COB-15	COB-20	COB-29	COB-40				
Anschluss-Set	Steigleitung									
DN60	DN60	18	20	-	-	-				
DN80	DN80	30	30	30	30	-				
DN80	DN110	-	-	-	-	-				
DN110	DN110	-	-	-	-	30				
Gasbrennwert		bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
Anschluss-Set	Steigleitung									
DN60	DN60	45	25	21	-	-	-	-	-	-
DN80	DN80	-	50	50	39	39	23	-	-	-
DN80	DN110	-	-	-	50	50	50	-	-	-
DN110	DN110	-	-	-	-	-	-	50	47	-

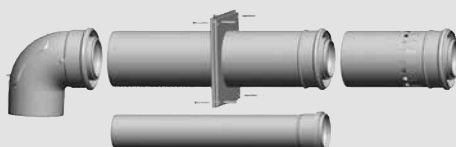
„The maximum length corresponds to the total length from the appliance to the flue terminal
Bends equivalent in pipe length (calculated length, single wall/concentric): 30° (0.4/0.7 m), 45° (0.6/1.2 m) and 87° (1.0/2.0 m)”

WOLF

KIT UP TO 100KW



Flue with horizontal concentric **B33**
connection pipe for shaft installation and connection to a moisture-resistant balanced
flue chimney
Open flue version"



„Consisting of:
concentric 87° inspection bend or tee, concentric pipe 500 mm long, pipe
collar, concentric pipe 250 mm long, flue 500 mm long"

RG | H40

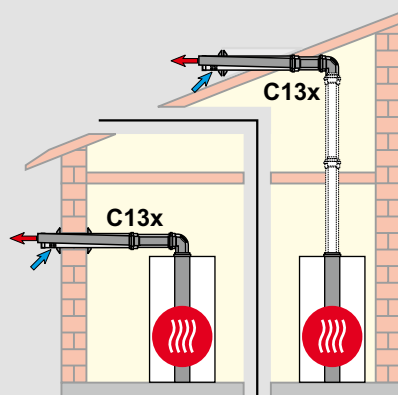
Anschluss-Set	DN60/100	DN80/125	DN110/160
riser pipe	DN60	DN80	DN110
Art. no.	2651992	2651993	2651994
€	194.00	194.00	300.00

„Wall mounted oil condensing boilers up to 18 kW: an additional reducer from DN80/125 to DN60/100 [part no. 2651951] is required for connection to the DN60/100 system.
Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 [part no. 2651733] is required for connection to the DN80/125 system."

Maximallänge [m]:

Ölbrennwert		TOB-18	COB-15	COB-20	COB-29	COB-40			
Anschluss-Set	Steigleitung								
DN60/100	DN60	16	18	-	-	-			
DN80/125	DN80	30	30	30	30	-			
DN110/160	DN110	-	-	-	-	30			
Gasbrennwert		bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100
Anschluss-Set	Steigleitung								
DN60/100	DN60	43	23	19	-	-	-	-	-
DN80/125	DN80	50	50	50	35	35	16	-	-
DN110/160	DN110	-	-	-	50	50	50	47	35
DN110/160	DN160	-	-	-	-	-	-	50*	50*

„Required for connection to a moisture-resistant flue gas chimney - calculation to EN 13384 [balanced flue chimney manufacturer].
The maximum length corresponds to the total length from the appliance to the flue terminal
Bends equivalent in pipe length [calculated length, single wall/concentric]: 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]"



„Flue, horizontal wall/roof outlet **C13x** with concentric connection line
Room sealed version“



„Consisting of:
concentric 87° inspection bend or tee, concentric pipe 1000 mm long, 2
pipe collars, concentric pipe with wind protector, length L:
DN60/100 L = 750 mm
DN80/125 L = 880 mm
DN110/160 L = 1000 mm“

RG | H40

Anschluss-Set	DN60/100	DN80/125	DN110/160
Art. no.	2651749	2651495	2651558
€	245.00	245.00	366.00

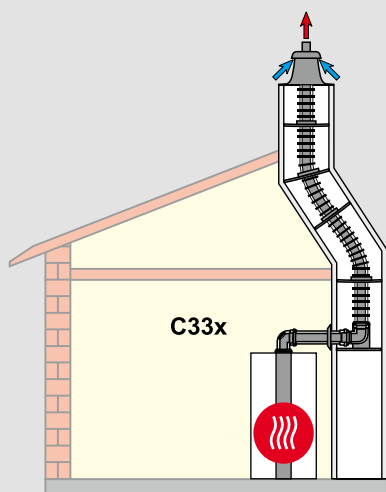
Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system.”

Maximallänge [m]:

Ölbrennwert Anschluss-Set	TOB-18	COB-15	COB-20	COB-29	COB-40				
DN60/100	-	-	-	-	-				
DN80/125	-	-	-	-	-				
DN110/160	-	-	-	-	-				
Gasbrennwert Anschluss-Set	bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
DN60/100	10	10	10	-	-	-	-	-	
DN80/125	10	10	10	16	16	8	-	-	
DN110/160	-	-	-	-	-	-	16	13	

„The maximum length corresponds to the total length from the appliance to the flue terminal
Bends equivalent in pipe length (calculated length, single wall/concentric): 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]“

WOLF KIT UP TO 100KW



Abgasleitung für den Schachteinbau **C33x**
senkrechte **flexible** konzentrische Luft-/Abgasführung für Schachteinbau,
Ausführung **raumluftunabhängig**



Bestehend aus:
Revisionsbogen konzentrisch 87°, Abgasrohr konzentrisch Länge 1000mm, Rosette, Stützbogen 87° mit Auflageschiene,
Innenrohr: Abgasrohr flexibel Länge 12,5m
Aussenrohr: Abgasrohr flexibel Länge 15,0m [DN110] bzw. 13x 1000mm [DN125]
Befestigung (Halterung) für flexibles Rohr an der Schachtabdeckung und 6 Abstandhaltern. Schachtabdeckung mit integrierter Luft-/Abgasführung und Mündungsstück.

Note: Instead of the support rail, an exhaust pipe of appropriate length can be used as a support device.

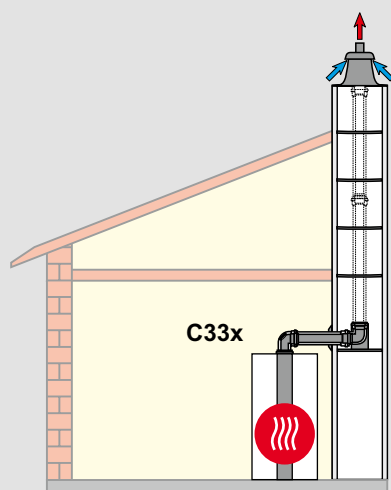
RG | H40

Oil condensing boilers up to 18kW: For connection to system DN60/100, an additional reduction from DN80/125 to DN60/100 [Art. No. 2651951] is required.
Gas condensing boilers up to 24kW: For connection to system DN80/125, an additional transition from DN60/100 to DN80/125 [art. no. 2651733] is required.

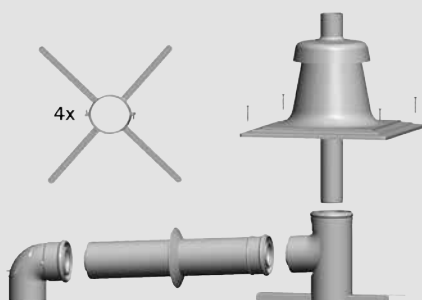
Maximallänge [m]:

Ölbrennwert Anschluss-Set	Steigleitung	TOB-18	COB-15	COB-20	COB-29	COB-40				
DN60/100	DN60/110	7	9	-	-	-				
DN80/125	DN83/125	21	23	16	13	10				
Gasbrennwert Anschluss-Set	Steigleitung	bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
DN60/100	DN60/110	15	9	7	-	-	-	-	-	
DN80/125	DN83/125	18	21	23	11	9	6	-	-	

Maximallänge entspricht Gesamtlänge vom Gerät bis zur Abgasmündung
Rohrlängenäquivalenz Bögen (Rechnerische Länge einwandig/konzentrisch): 30° [0,4/0,7m], 45° [0,6/1,2m] und 87° [1,0/2,0m]



Flue for C33x shaft installation,
vertical concentric balanced flue for shaft installation,
room sealed version



„Consisting of:
concentric 87° inspection bend or tee, concentric pipe 500 mm long, pipe
collar, concentric 87° support bend with support rail, 4 spacers and shaft
cover with integrated air/flue gas duct and terminal.“

Note: A flue of appropriate length can be used for support instead of the
support rail.

RG | H40

shaft cover	Anschluss-Set riser pipe	DN60/100	DN80/125	DN110/160
		DN60/100	DN80/125	DN110/160
plastic	Art. no.	2651855	2651996	2651998
	€	425.00	515.00	670.00
stainless steel	Art. no.	2651750	2651995	2651997
	€	370.00	448.00	590.00

„Wall mounted oil condensing boilers up to 18 kW: an additional reducer from DN80/125 to DN60/100 (part no. 2651951) is required for connection to the DN60/100 system.
Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system.“

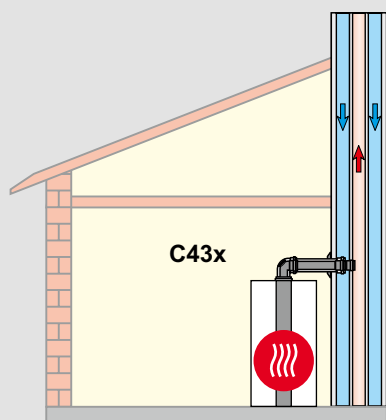
Maximallänge [m]:

Ölbrennwert		TOB-18	COB-15	COB-20	COB-29	COB-40				
Anschluss-Set	Steigleitung									
DN60/100	DN60/100	9	9	-	-	-				
DN80/125	DN80/125	24	24	22	18	-				
DN110/160	DN110/160	-	-	-	-	14				
Gasbrennwert		bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
Anschluss-Set	Steigleitung									
DN60/100	DN60/100	16	14	12	-	-	-	-	-	-
DN80/125	DN80/125	17	22	26	16	16	8	-	-	-
DN110/160	DN110/160	18	25	30	42	42	37	15	12	

„The maximum length corresponds to the total length from the appliance to the flue terminal

Bends equivalent in pipe length (calculated length, single wall/concentric): 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]“

WOLF KIT UP TO 100KW



„Connection to a moisture-resistant balanced flue chimney C43x Room sealed version“



„Comprising:
concentric 87° inspection tee or bend, concentric pipe 500 mm long, pipe collar, flue 500 or 250 mm long“

RG | H40

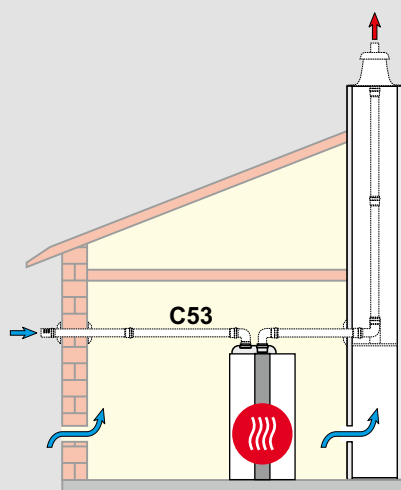
Anschluss-Set	DN60/100	DN80/125	DN110/160
Art. no.	2651751	2651499	2651555
€	168.00	168.00	280.00

„Wall mounted oil condensing boilers up to 18 kW: an additional reducer from DN80/125 to DN60/100 (part no. 2651951) is required for connection to the DN60/100 system. Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system.“

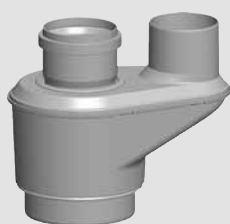
Maximallänge [m]:

Ölbrennwert Anschluss-Set DN60/100 DN80/125 DN110/160	TOB-18	COB-15	COB-20	COB-29	COB-40			
	Berechnung nach DIN EN 13384 (LAS- Hersteller)							
Gasbrennwert Anschluss-Set DN60/100 DN80/125 DN110/160	bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100
	Berechnung nach DIN EN 13384 (LAS- Hersteller)							

„The maximum length corresponds to the total length from the appliance to the flue terminal
Bends equivalent in pipe length (calculated length, single wall/concentric): 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]“



„Connection to the flue in a shaft and ventilation air pipe through external wall C53 Room sealed version“



Connection adaptor for flue in the shaft and ventilation air pipe through external wall

RG | H40

Anschluss-Set	DN60/100	DN80/125	DN110/160
Supply / exhaust pipe	2xDN80	2xDN80	2xDN110
Art. no.	2651734	2651487	2651553
€	96.00	96.00	104.00

Maximallänge [m]:

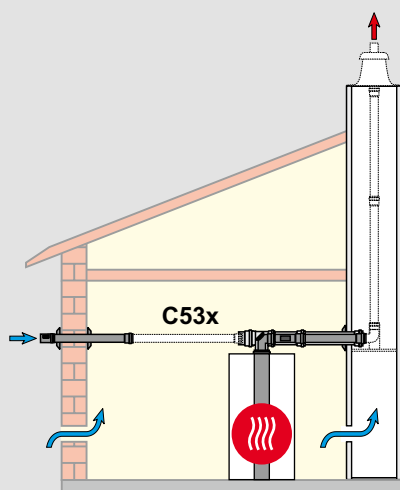
Ölbrennwert		TOB-18	COB-15	COB-20	COB-29	COB-40				
Anschluss	Steigleitung									
DN80/125	DN80	30	30	30	30	-				
DN110/160	DN110	-	-	-	-	30				
Gasbrennwert		bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
Anschluss	Steigleitung									
DN60/100	DN80	50	50	50	-	-	-	-	-	-
DN80/125	DN80	-	-	-	38	38	19	-	-	-
DN110/160	DN110	-	-	-	50	50	50	50	40	-
DN110/160	DN160	-	-	-	-	-	-	50*	50*	-

„The maximum length corresponds to the total length from the appliance to the flue terminal (3m)

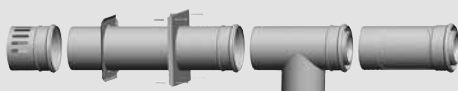
Bends equivalent in pipe length (calculated length, single wall/concentric): 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]“

*Enlargement from DN110 to DN160 necessary in the shaft

WOLF KIT UP TO 100KW



„Connection to the flue in a shaft and ventilation air through external wall C53x
Room sealed version“



„Comprising:
air intake piece, air intake pipe 500 mm long, 2 pipe collars, concentric
87° tee, concentric inspection piece 250 mm long“

RG | H40

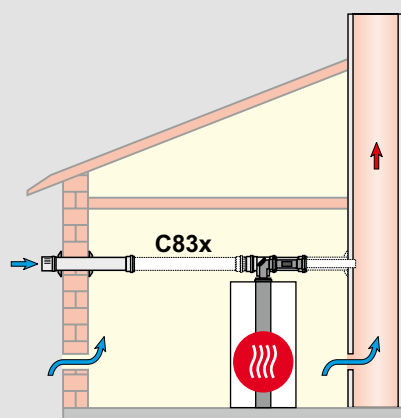
Anschluss-Set	DN80/125	DN110/160
Supply / exhaust pipe	DN125-DN80/125	DN160-DN110/160
Art. no.	2651500	2651557
€	374.00	860.00

Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system."

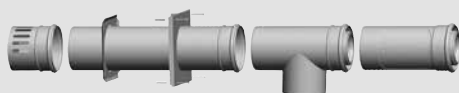
Maximallänge [m]:

Ölbrennwert		TOB-18	COB-15	COB-20	COB-29	COB-40				
Anschluss-Set	Zuluft									
DN80/125	DN125	30	30	30	30	-				
DN110/160	DN160	-	-	-	-	30				
Gasbrennwert		bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
Anschluss-Set	Zuluft									
DN80/125	DN125	50	50	50	38	38	19	-	-	
DN110/160	DN160	-	-	-	50	50	50	50	40	
DN110/160	DN160	-	-	-	-	-	-	50*	50*	

„The maximum length corresponds to the total length from the appliance to the flue terminal
Bends equivalent in pipe length (calculated length, single wall/concentric): 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]"



„Connection to moisture-resistant flue gas chimney and ventilation air through external wall **C83x**
Room sealed version“



„Comprising:
air intake piece, air intake pipe 500 mm long, 2 pipe collars, concentric 87° tee for appliance connection, inspection piece 250 mm long.“

RG | H40

Anschluss-Set	DN80/125	DN110/160
Supply / exhaust pipe	DN125-DN80/125	DN160-DN110/160
Art. no.	2651500	2651557
€	374.00	860.00

Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system.“

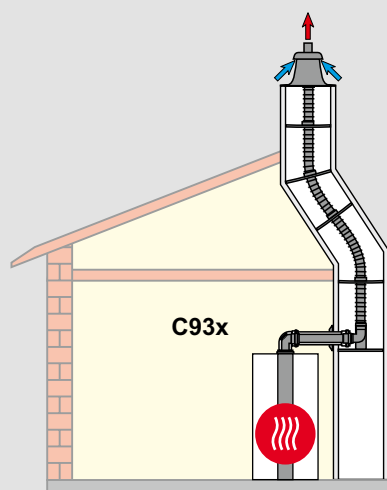
Maximallänge [m]:

Ölbrennwert Anschluss-Set	TOB-18	COB-15	COB-20	COB-29	COB-40				
DN60/100	Berechnung nach DIN EN 13384 (LAS- Hersteller)								
DN80/125									
DN110/160									
Gasbrennwert Anschluss-Set	bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
DN60/100	Berechnung nach DIN EN 13384 (LAS- Hersteller)								
DN80/125									
DN110/160									

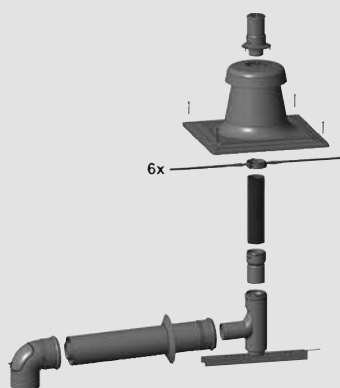
„The maximum length corresponds to the total length from the appliance to the flue terminal
Bends equivalent in pipe length (calculated length, single wall/concentric): 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]“

WOLF

KIT UP TO 100KW



„Flue for C93x shaft installation with concentric connection pipe and rigid flue in the shaft
Room sealed version“



„Comprising:
concentric 87° inspection bend or tee, concentric pipe 500 mm long, pipe collar, 87° support bend with support rail, 4 spacers and shaft cover with integrated air/flue gas duct and terminal.“

Note: A flue of appropriate length can be used for support instead of the support rail.

RG | H40

shaft cover	Anschluss-Set riser pipe	DN60/100	DN80/125	DN110/160
		DN60	DN83	DN110
plastic	Art. no.	2652001	2652003	2652005
	€	870.00	875.00	1200.00
stainless steel	Art. no.	2652000	2652002	2652004
	€	805.00	815.00	965.00

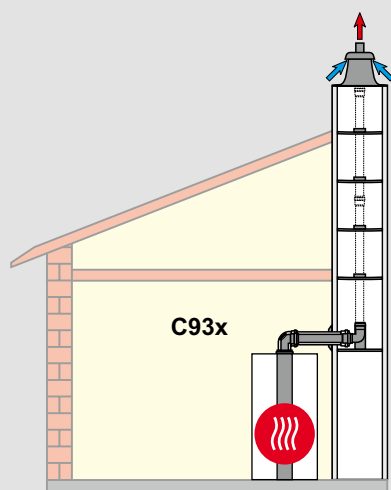
„Wall mounted oil condensing boilers up to 18 kW: an additional reducer from DN80/125 to DN60/100 (part no. 2651951) is required for connection to the DN60/100 system.
Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system.“

Maximallänge [m]:

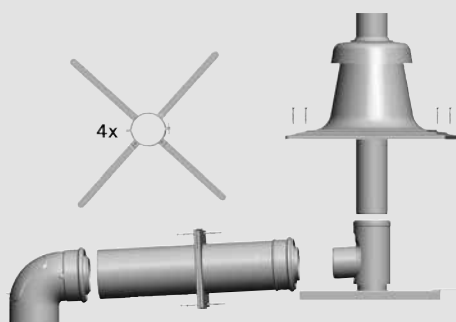
Ölbrennwert		TOB-18	COB-15	COB-20	COB-29	COB-40				
Anschluss-Set	Steigleitung									
DN60/100	DN60	8	9	-	-	-				
DN80/125	DN83	24	27	21	17	-				
DN110/160	DN110	-	-	-	-	22				
Gasbrennwert		bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
Anschluss-Set	Steigleitung									
DN60/100	DN60	13	13	13	-	-	-	-	-	-
DN80/125	DN83	14	17	22	25	25	15	-	-	-
DN110/160	DN110	-	-	-	43	43	41	21	21	-

„The maximum length corresponds to the total length from the appliance to the flue terminal

Bends equivalent in pipe length (calculated length, single wall/concentric): 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]“



„Flue for C93x shaft installation with concentric connection pipe and flexible flue in the shaft
Room sealed version“



„Comprising:
concentric 87° inspection bend or tee, concentric pipe 500 mm long, pipe collar, flexible pipe 12.5 m long (DN60, DN83) or 15 (DN110), push-fit side (DN60), fastening (support) for flexible pipe on the shaft cover, 87° support bend with support rails, 6 (DN60) or 8 (DN83, DN110) spacers and shaft cover with integrated air/flue gas duct and terminal“

Note: A flue of appropriate length can be used for support instead of the support rail.

RG | H40

shaft cover	Anschluss-Set riser pipe	DN60/100	DN60/100	DN80/125	DN80/125	DN110/160
		DN60	DN80	DN80	DN110	DN110
plastic	Art. no.	2651875	2651854	2651856		
	€	431.00	431.00	431.00		
stainless steel	Art. no.	2651870	2651752	2651497	2651999	2651554
	€	365.00	365.00	365.00	468.00	635.00

Wall mounted oil condensing boilers up to 18 kW: an additional reducer from DN80/125 to DN60/100 (part no. 2651951) is required for connection to the DN60/100 system.
Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system.“

Maximallänge [m]:

Ölbrennwert		TOB-18	COB-15	COB-20	COB-29	COB-40				
Anschluss-Set	Steigleitung									
DN60/100	DN60	12	13	-	-	-				
DN80/125	DN80	25	29	24	21	-				
DN110/160	DN110	-	-	-	-	22				
Gasbrennwert		bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
Anschluss-Set	Steigleitung									
DN60/100	DN60	17	17	17	-	-	-	-	-	-
DN60/100	DN80	18	21	26	-	-	-	-	-	-
DN80/125	DN80	18	21	26	25	25	15	-	-	-
DN80/125	DN110	-	-	-	43	43	41	-	-	-
DN110/160	DN110	-	-	-	-	-	-	21	21	-
DN110/160	DN160	-	-	-	-	-	-	29*	33*	-

The maximum length corresponds to the total length from the appliance to the flue terminal Bends equivalent in pipe length (calculated length, single wall/concentric): 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]“

**FLUE**

Made from polypropylene up to 120°C

	for product	Art. no.	€	DG
Length 500 mm	DN60	2651871	20.00	H40
	DN80	2651502	20.00	H40
	DN110	2651668	26.10	H40
Length 1000 mm	DN60	2651872	29.40	H40
	DN80	2651503	29.40	H40
	DN110	2651669	37.10	H40
Length 2000 mm	DN60	2651873	41.00	H40
	DN80	2651504	41.00	H40
	DN110	2651670	69.00	H40

**FLUE BEND**

Made from polypropylene up to 120°C

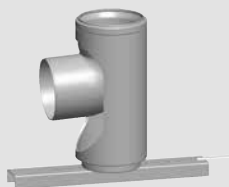
15°	DN60	2651902	14.80	H40
	DN80	2651505	14.80	H40
	DN110	2651690	26.80	H40
30°	DN60	2651903	14.80	H40
	DN80	2651506	14.80	H40
	DN110	2651691	26.80	H40
45°	DN60	2651904	14.80	H40
	DN80	2651507	14.80	H40
	DN110	2651692	26.80	H40
87°	DN60	2651905	14.80	H40
	DN80	2651508	14.80	H40
	DN110	2651693	31.40	H40

**87° INSPECTION BEND**made of polypropylene up to 120°C
length 250mm

DN60	2651906	38.60	H40
DN80	2651514	38.60	H40
DN110	2651571	54.00	H40

**INSPECTION PIPE**made of polypropylene up to 120°C
length 250mm, for shaft installation

DN60	2651874	26.10	H40
DN80	2651510	26.10	H40
DN110	2651671	54.00	H40

**87° SUPPORT BEND**for exhaust pipe, incl. support rail.
made of polypropylene up to 120°C

DN60	2651795	38.60	H40
DN60 - DN80	2651798	64.00	H40
DN80	2651513	38.60	H40
DN110	2651568	89.00	H40

**SPACER**

(Also suitable for flexible systems)

1 set = 6 pcs	DN60	2651788	31.40	H40
1 set = 4 pcs	DN80	2651509	31.40	H40
1 set = 6 pcs	DN110	2651673	55.00	H40

**SHAFT COVER**

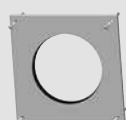
with integrated air/exhaust gas duct
and mouthpiece for room air dependent or room
air independent operation
(base plate 40 x 40cm can be mounted on
35 x 35cm or 30 x 30cm)

Plastic (for flexible and rigid systems)	DN80/83	2651511	130.00	H40
Plastic (for flexible and rigid systems)	DN110	2651559	142.00	H40
Stainless steel (for rigid systems)	DN80	2651512	198.00	H40
Stainless steel (for rigid systems)	DN110	2651770	225.00	H40
Stainless steel (for rigid systems)	DN125	2651771	253.00	H40

**TERMINAL**

Length 500 mm

Stainless steel	DN80	2651523	42.00	H40
Plastic	DN80	2651518	13.70	H40

**PIPE COLLAR**

White, for covering the wall opening
For flue

DN80	2651515	10.70	H40
DN110	2651569	23.20	H40

**CONDENSATE DRAIN**

Horizontal

DN80	2651838	73.00	H40
DN110	2651837	52.00	H40

**WIND PROTECTOR**

Made from stainless steel for horizontal flue

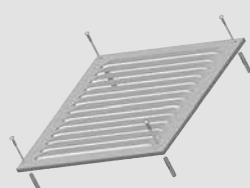
DN80	2651767	40.90	H40
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**SPACER CLIP FOR FLUE**

Incl. double ended screws and rawl plugs 8 mm

DN80	2651516	76.00	H40
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1 set = 5 pcs

**VENTILATION SCREEN**

For shaft installation with secondary ventilation

2651517	26.50	H40
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**GASKET**

1 set = 5 pcs

For flue	DN60	2651745	9.70	H40
For flue	DN80	2651521	9.30	H40
For flue	DN110	2651573	12.40	H40
For flue	DN160	2651351	54.00	H40

**MOUNTING BRACKET**

DN60/100	2651742	7.30	H40
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**EXTENSION**

Made from polypropylene up to 120°C

DN60 auf DN80	2651748	39.80	H40
DN80 auf DN110	2651564	25.90	H40


REDUCER

Made from polypropylene up to 120°C

for product

Art. no.

€

DG

DN110 auf DN80

2651836

60.00

H40


ECCENTRIC EXTENSION

Made from polypropylene up to 120°C

DN80 auf DN110

2651774

51.00

H40

DN110 auf DN160

2651835

127.00

H40


TERMINAL GRILLE

for exhaust pipe, made of polypropylene up to 120°C

DN60

2651944

15.20

H40

DN80

2651945

15.20

H40


TERMINAL CAP

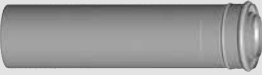





for terminal grille, made from polypropylene up to 120°C

2651946

28.30





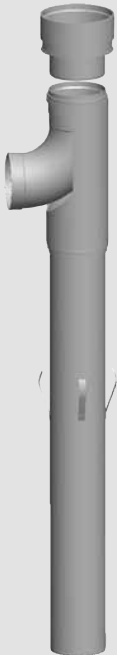


H40

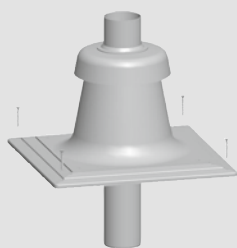
ACCESSORIES SINGLE-WALLED / CONCENTRIC UP TO 100KW

	for product	Art. no.	€	DG
	CONCENTRIC PIPE White, pluggable			
	Length 500 mm	DN60/100	2651724	55.00 H40
		DN80/125	2651466	55.00 H40
		DN110/160	2651540	65.00 H40
	Length 1000 mm	DN60/100	2651725	77.00 H40
		DN80/125	2651467	77.00 H40
		DN110/160	2651541	88.00 H40
	Length 2000 mm	DN60/100	2651726	123.00 H40
		DN80/125	2651469	123.00 H40
		DN110/160	2651542	161.00 H40
	CONCENTRIC PIPE Horizontal, with wind protector White, pluggable			
	Length 750 mm	DN60/100	2651731	77.00 H40
	Length 880 mm	DN80/125	2651494	77.00 H40
	CONCENTRIC BEND White, pluggable			
	15°	DN60/100	2651757	41.00 H40
		DN80/125	2651482	41.00 H40
		DN110/160	2651759	68.00 H40
	30°	DN60/100	2651758	41.00 H40
		DN80/125	2651483	41.00 H40
		DN110/160	2651760	68.00 H40
	45° [1 set = 2 pce]	DN60/100	2651727	86.00 H40
		DN80/125	2651472	86.00 H40
		DN110/160	2651545	134.00 H40
	87°	DN60/100	2651728	41.00 H40
		DN80/125	2651471	41.00 H40
		DN110/160	2651544	68.00 H40
	87° CONCENTRIC SUPPORT BEND For connection to concentric air/flue gas duct inside the shaft, including support rail			
		DN60/100	2651740	64.00 H40
		DN80/125	2651800	115.00 H40
		DN110/160	2651834	165.00 H40
	CONCENTRIC PIPE Length 250 mm, white, push-fit Version for open flue operation			
		DN60/100	2651732	55.00 H40
		DN80/125	2651473	55.00 H40
		DN110/160	2651546	66.00 H40
	CONCENTRIC INSPECTION PIPE White, pluggable, with quick lock			
	Length 250 mm	DN60/100	2651729	109.00 H40
	Length 250 mm	DN80/125	2651470	109.00 H40
	Length 250 mm	DN110/160	2651552	144.00 H40
	87° CONCENTRIC INSPECTION TEE White, pluggable			
		DN110/160	2651543	139.00 H40

	for product	Art. no.	€	DG
	87° CONCENTRIC INSPECTION BEND White, pluggable			
	DN80/125 DN60/100	2651489 2651730	109.00 109.00	H40 H40
	CONNECTION ADAPTOR WITH TEST CONNECTOR Length 152 mm, white, push-fit, for connection to floorstanding condensing boiler or air/flue pipe			
	DN60/100 DN80/125	2651833 2651488	96.00 42.00	H40 H40
	SLIDING SOCKET (SEPARATOR) White, push-fit, for air/flue pipe			
	Length 235 mm Length 200 mm	DN60/100 DN80/125	2651737 2651490	41.00 60.00 H40 H40
	ADAPTOR For concentric flue White, push-fit			
	DN60/100 on DN80/125 DN 80/125 on DN 110/160	2651733 2651485	43.00 100.00	H40 H40
	CONCENTRIC REDUCER	DN80/125 on DN60/100	2651951	92.00 H40
	DN100 PIPE COLLAR White, for covering the wall opening			
	DN100	2651735	10.90	H40
	DN100 PIPE COLLAR White, for covering the wall opening			
	DN100	2651736	10.90	H40
	PIPE COLLAR White, for covering the wall opening			
	DN125 DN160	2651491 2651547	10.70 17.70	H40 H40
	WIND PROTECTOR Made from stainless steel for horizontal flue	DN80/125	2651768	54.00 H40
	SUPPORT RAIL For flue inside the shaft	DN60/100	2651739	15.20 H40
	CENTRING PIECE 1 pcs	DN60/100	2651743	4.40 H40

ACCESSORIES SINGLE-WALLED / CONCENTRIC UP TO 100KW

	for product	Art. no.	€	DG
	SPACER CLIP FOR AIR/FLUE PIPE Incl. double-ended screws and rawl plugs 1 set = 5 pcs			
	DN60/100	2651741	64.00	H40
	DN80/125	2651492	62.00	H40
	MOUNTING BRACKET			
	DN60/100	2651742	7.30	H40
	DN80/125	2651493	7.30	H40
	DN110/160	2651551	13.20	H40
	SPACER For concentric air/flue gas duct for routing in the shaft 1 set = 4 pcs 1 set = 4 pcs			
	DN60/100	2651744	21.40	H40
	DN80/125	2651478	40.90	H40
	AIR PIPE length 1000mm White, pluggable			
	DN125	2651484	37.10	H40
	DN160	2651765	46.00	H40
	EXTENSION made of polypropylene up to 120°C as kit			
	DN110 auf DN160	2651584	261.00	H40
	consisting of:			
	<ul style="list-style-type: none"> • Support tube DN160 (length 2m) • Spacer • Supporting tulip • Bend DN110 • Adapter DN110 to DN160 			
	GASKET 1 set = 5 pcs			
	For flue	DN60	2651745	9.70 H40
	For flue	DN80	2651521	9.30 H40
	For flue	DN110	2651573	12.40 H40
	For flue	DN160	2651351	54.00 H40
	For air pipe	DN100	2651746	15.20 H40
	For air pipe	DN160	2651556	17.00 H40
	GASKET For inspection aperture, inspection bend			
	DN100	2651747	12.90	H40

**FLEXIBLE SHAFT COVER**

Made of plastic or stainless steel, incl. muzzle
[base plate 40 x 40cm can be mounted on
35 x 35cm or 30 x 30cm]

Plastic [for flexible systems]

TOB-18, COB-15, wall-
mounted gas boilers

2651790

130.00

H40

Plastic [for flexible and rigid systems]

DN80/83

2651511

130.00

H40

Plastic [for flexible and rigid systems]

DN110

2651559

142.00

H40

Stainless steel [for flexible systems]

TOB-18, COB-15, gas
heaters

2651899

203.00

H40

Stainless steel [for flexible systems]

DN83

2651527

198.00

H40

Stainless steel [for flexible systems]

DN110

2651528

381.00

H40

**SPACER**

[Also suitable for flexible systems]

1 set = 6 pcs

DN60

2651788

31.40

H40

1 set = 4 pcs

DN80

2651509

31.40

H40

1 set = 6 pcs

DN110

2651673

55.00

H40

**EXTENSION**

For flexible flue

Length 12.5 m

DN60

2651791

282.00

H40

Length 8.0 m

DN80

2651579

148.00

H40

Length 8.0 m

DN110

2651719

253.00

H40

Länge 1,0m

DN125

2652165

66.00

H40

Note: Use in a system without
Supporting arch not allowed!

**CONNECTION PIECE**

For flexible flue

[Coupling for two flexible pipes]

DN60

2651793

74.00

H40

DN83

2651576

108.00

H40

DN110

2651716

269.00

H40

**PLUGGING END**

Retainer for flexible pipe on support bend

DN60

2651794

40.60

H40

**INSPECTION TEE**

For flexible flue

DN60

2651792

115.00

H40

DN83

2651577

138.00

H40

DN110

2651717

301.00

H40

**INSERTION AID**

For flexible flue

DN60

2651796

121.00

H40

DN83

2651840

167.00

H40

DN110

2651897

252.00

H40

**SAFETY CLIP**

1 set = 5 pieces

DN80

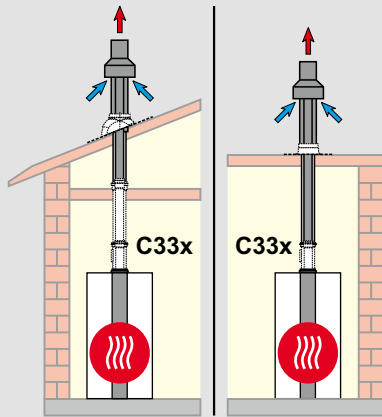
2652164

64.00

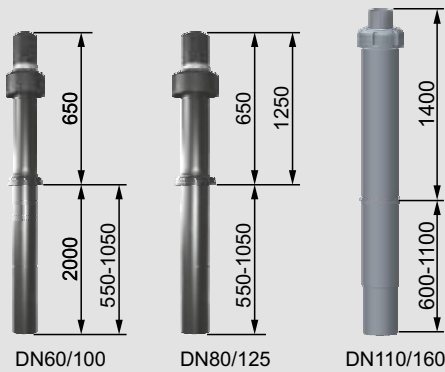
H40

WOLF

KIT C33 VERTICAL ROOF THROUGH TO 100KW



„Flue, vertical concentric roof outlet **C33x** through pitched or flat roof
Room sealed version“



„Comprising:
air/flue pipe for vertical roof outlet, slider including mounting bracket“

Note: Stainless steel version see façade systems up to 100kW
Mouthpiece, roof lead-through (individually extendable) and supply air spigot

RG | H40

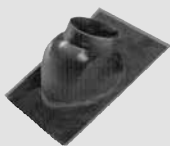
Dachdurchführung	Connection kit	DN60/100	DN60/100	DN80/125	DN80/125	DN110/160
	LängeText	2650	1200-1700	1200-1700	1800-2300	2000-2500
rotbraun	Art. no.	2651680	2651704	2651475	2651477	2651539
	€	234.00	164.00	164.00	198.00	261.00
schwarz	Art. no.	2651679	2651703	2651474	2651476	2651538
	€	234.00	164.00	164.00	198.00	261.00

Wall mounted oil condensing boilers up to 18 kW: an additional reducer from DN80/125 to DN60/100 (part no. 2651951) is required for connection to the DN60/100 system.
Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 (part no. 2651733) is required for connection to the DN80/125 system.

Maximallänge [m]:

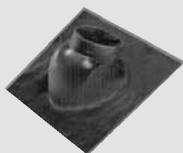
Ölbrennwert	TOB-18	COB-15	COB-20	COB-29	COB-40			
Anschluss-Set								
DN60/100	9	9	-	-	-			
DN80/125	24	24	22	18	-			
DN110/160	-	-	-	-	14			
Gasbrennwert	bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100
Anschluss-Set								
DN60/100	16	14	12	-	-	-	-	-
DN80/125	17	22	26	16	16	8	-	-
DN110/160	18	25	30	42	42	37	15	12

The maximum length corresponds to the total length from the appliance to the flue terminal Bends equivalent in pipe length (calculated length, single wall/concentric): 30° (0.4/0.7 m), 45° (0.6/1.2 m) and 87° (1.0/2.0 m)*

**ROOF PANEL FOR PITCHED ROOF**

With adaptor for vertical air/flue gas duct, suitable for roofs with plain tiles, slate and shingles

Colour: black, 25° - 45° inclination	to DN125	1720202	45.00	H40
Colour: russet, 25° - 45° inclination	to DN125	1720203	45.00	H40

**50 CM X 50 CM LARGE FORMAT ROOF PANEL FOR PITCHED ROOF**

With adaptor for vertical air/flue gas duct and additional tolerance compensation, suitable for all common roof coverings, in particular large tiles

With all-round flexible flashing with black coating

Colour: black, 25° - 45° inclination	to DN125	1720206	71.00	H40
Colour: russet, 25° - 45° inclination	to DN125	1720207	71.00	H40

**UNIVERSAL TILE FOR PITCHED ROOF**

with adapter for vertical air/flue gas routing, suitable for roofing with tiles

with flexible lead flashing at bottom

Colour: black, 25° - 45° inclination	to DN125	1720200	62.00	H40
Colour: russet, 25° - 45° inclination	to DN125	1720201	62.00	H40

**UNIVERSAL TILE FOR PITCHED ROOF**

with adapter for vertical air/exhaust gas routing, suitable for roofing with tiles

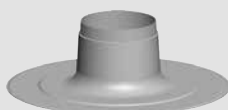
with flexible coated apron below

Colour: black, 5° - 25° inclination	to DN125	2651947	90.00	H40
Colour: russet, 5° - 25° inclination	to DN125	2651948	90.00	H40
Colour: black, 25° - 45° inclination	to DN125	1720204	73.00	H40
Colour: russet, 25° - 45° inclination	to DN125	1720205	73.00	H40

**ADAPTOR FOR "KLÖBER BASE PANELS"**

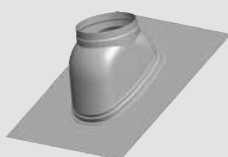
for vertical air/exhaust gas routing made of polypropylene and pitched roof 20° - 50°

Colour: black	DN60/100	2600036	44.00	H40
Colour: russet	DN60/100	2600037	44.00	H40

**FLAT ROOF COLLAR**

For vertical air/flue gas duct

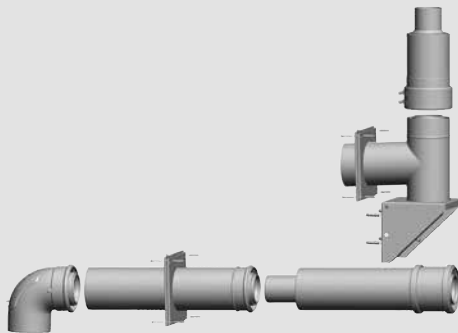
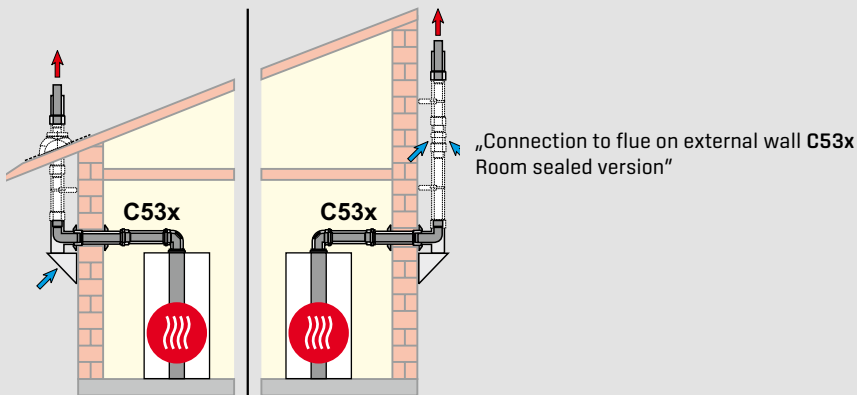
DN60/100 u. DN80/125	2651486	45.00	H40
DN100/160	2651550	60.00	H40

**ROOF TILE**

Colour: black	DN160	2651548	71.00	H40
Colour: russet	DN160	2651549	71.00	H40

WOLF

KIT C53X FACADE SYSTEM UP TO 100KW



„Comprising:
concentric 87° inspection pipe or tee, concentric pipe 500 mm long, 2 pipe
collars, concentric wall outlet, concentric external wall connection, con-
centric terminal outlet incl. clamp fitting“

Note:

RG | H40

Anschluss-Set	DN60/100	DN80/125	DN110/160
riser pipe	DN60/100	DN80/125	DN110/160
Art. no.	2651907	2651501	2651764
€	486.00	520.00	740.00

Wall mounted oil condensing boilers up to 18 kW: an additional reducer from DN80/125 to DN60/100 [part no. 2651951] is required for connection to the DN60/100 system.
Wall mounted gas condensing boilers up to 24 kW: an additional adaptor from DN60/100 to DN80/125 [part no. 2651733] is required for connection to the DN80/125 system.“

Maximallänge [m]:

Ölbrennwert		TOB-18	COB-15	COB-20	COB-29	COB-40				
Anschluss-Set	Steigleitung									
DN80/125	DN80/125	30	30	30	30	-				
DN110/160	DN110/160	-	-	-	-	30				
Gasbrennwert		bis 14kW	bis 20kW	bis 24kW	CGB-35	CGB-K40-35	CGB-50	CGB-75	CGB-100	
Anschluss-Set	Steigleitung									
DN60/100	DN60/100	46	24	20	-	-	-	-	-	-
DN80/125	DN80/125	50	50	50	38	38	19	-	-	-
DN110/160	DN110/160	-	-	-	50	50	50	50	38	-

The maximum length corresponds to the total length from the appliance to the flue terminal Bends equivalent in pipe length [calculated length, single wall/concentric]: 30° [0.4/0.7 m], 45° [0.6/1.2 m] and 87° [1.0/2.0 m]“

**TERMINAL**

Stainless steel / polypropylene, length 290mm
For flues on external walls

for product

Art. no.

€

DG

DN60/100
DN80/125
DN110/160

2651915
2651799
2651567

109.00 H40
109.00 H40
124.00 H40

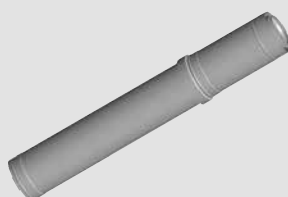
**VENTILATION AIR CONNECTOR**

Stainless steel / polypropylene, length 250mm
For flues on external walls
Required e.g. when installing the external bracket below ground level

DN60/100
DN80/125
DN110/160

2651912
2651663
2651535

109.00 H40
123.00 H40
151.00 H40

**ROOF OUTLET**

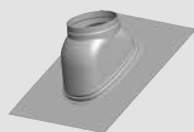
Stainless steel / polypropylene, length 1000mm
For flues on external walls

DN60/100
DN80/125
DN110/160

2651908
2651655
2651534

190.00 H40
205.00 H40
294.00 H40

Note: Roof lead-through individually extendable

**ROOF TILE**

Colour: black

DN125
DN160

2651656
2651548

71.00 H40
71.00 H40

Colour: russet

DN125
DN160

2651657
2651549

71.00 H40
71.00 H40

**CONCENTRIC PIPE**

Stainless steel / polypropylene
For flues on external walls

DN60/100

Length 500 mm

2651909
2652199

67.00 H40
76.00 H40

Length 1000 mm

2651563
2651910
2651658

92.00 H40
84.00 H40
99.00 H40

Length 2000 mm

2651531
2651911
2651659
2651532

164.00 H40
181.00 H40
198.00 H40
321.00 H40

**CONCENTRIC BEND**

Stainless steel / polypropylene
For flues on external walls

15°

DN80/125
DN110/160

2651761
2651560

71.00 H40
116.00 H40

15°

30°

DN80/125
DN110/160

2651762
2651561

71.00 H40
116.00 H40

30°

45° [1 set = 2 pcs]

DN60/100

2651913

121.00 H40

45° [1 set = 2 pcs]

45°

DN80/125

2651661

139.00 H40

45°

DN110/160

2651530

116.00 H40

87°

DN60/100

2651914

74.00 H40

87°

DN80/125

2651763

89.00 H40

87°

DN110/160

2651562

143.00 H40

**INSPECTION PIECE**

Stainless steel / polypropylene
For flues on external walls
Length 250mm

for product

Art. no.

€

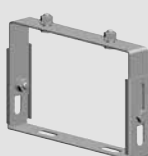
DG

DN60/100	2651916	109.00	H40
DN80/125	2651660	128.00	H40
DN110/160	2651533	211.00	H40

**WALL RETAINER**

Stainless steel, recommended clearance max.
2 m For flues on external walls

DN100	2651918	43.00	H40
DN125	2651662	52.00	H40
DN160	2651537	62.00	H40

**EXTENSION FOR WALL RETAINER**

Stainless steel, adjustable from 135-230 mm
For flues on external walls

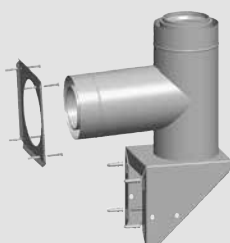
DN125	2651783	74.00	H40
DN160	2651785	77.00	H40

Note: Further extensions on request

**CLAMP FITTING**

Stainless steel / polypropylene
For flues on external walls

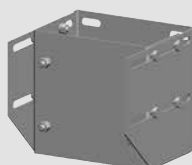
DN60/100	2651917	49.00	H40
DN80/125	2651769	55.00	H40
DN110/160	2651565	60.00	H40

**EXTERNAL WALL BRACKET**

Stainless steel / polypropylene
For flues on external walls
Including wall plate (external) and fixing materials

DN60/100	2651919	207.00	H40
DN80/125	2651682	243.00	H40
DN110/160	2651529	314.00	H40

Note: Ventilation air apertures integrated into the external wall bracket (apertures only used when installed above ground level); when installed below ground level, ventilation air connectors for air/flue pipes are required.

**EXTENSION FOR EXTERNAL WALL BRACKET**

Stainless steel, adjustable from 155-240mm
For flues on external walls

DN125	2651784	149.00	H40
DN160	2651786	251.00	H40

Note: Further extensions on request

**STANDARD KIT, BALANCED FLUE CHIMNEY, MULTIPLE CONNECTION****Room sealed version**

Made from polypropylene up to 120°C

Consisting of:

- Complete shaft cover DN110 or DN125 incl. terminal pipe
- 6 spacers DN11 or DN125
- Centric extension DN8 to DN110 or DN125
- 87° support bend DN60 - DN80 with support and support rail

Pipe lengths must be ordered separately depending on the required height.

for product

Art. no.

€

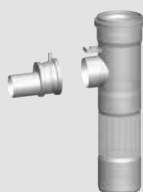
DG

DN60 - DN110
DN60 - DN125

2651450
2651862

314.00 H40
424.00 H40

Note: A flue of appropriate length can be used for support instead of the support rail

**EXTENSION KIT, BALANCED FLUE CHIMNEY, MULTIPLE CONNECTION****Room sealed version**

Made from polypropylene up to 120°C

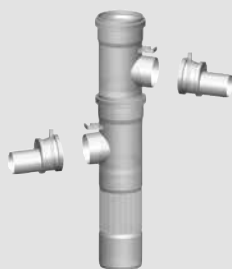
Consisting of:

- Floor tee DN110 or DN125 with outlet DN80, length 440mm
- Eccentric extension DN6 to DN80

DN110
DN125

2651861
2651863

197.00 H40
228.00 H40

**FLOOR STATION****WITH/WITHOUT THERMAL INSULATION COVERING****DESIGN FOR HIGH TEMPERATURE HEATING CIRCUITS****Room sealed version**

Made from polypropylene up to 120°C

Consisting of:

- Floor tee DN110 or DN125 with outlet DN80, length 440mm
- Eccentric extension DN6 to DN80

DN110
DN125

2652095
2652096

336.00 H40
407.00 H40

**FLUE**

Made from polypropylene up to 120°C

Length 500 mm

DN110
DN125

2651668
2651698

26.10 H40
31.40 H40

Length 1000 mm

DN110
DN125

2651669
2651699

37.10 H40
42.00 H40

Length 2000 mm

DN110
DN125

2651670
2651700

69.00 H40
71.00 H40

WOLF

MULTIPLE OCCUPATION AND CASCADES FROM 100KW



FLUE BEND

Made from polypropylene up to 120°C

	for product	Art. no.	€	DG
15°	DN110	2651690	26.80	H40
	DN125	2651694	29.20	H40
30°	DN110	2651691	26.80	H40
	DN125	2651695	29.20	H40
45°	DN110	2651692	26.80	H40
	DN125	2651696	29.20	H40
87°	DN110	2651693	31.40	H40
	DN125	2651697	33.40	H40



87° INSPECTION BEND

made of polypropylene up to 120°C
length 250mm

DN110	2651571	54.00	H40
DN125	2651864	79.00	H40



INSPECTION PIPE

made of polypropylene up to 120°C
length 250mm, for shaft installation

DN110	2651671	54.00	H40
DN125	2651701	79.00	H40



COUPLING PLUG

Made from polypropylene up to 12 °C

DN80	2651839	67.00	H40
------	---------	-------	-----



SPACER

Plastic
[max. recommended clearance 2 m]

1 set = 6 pcs	DN110	2651673	55.00	H40
1 set = 6 pcs	DN125	2651702	60.00	H40


STANDARD KIT FOR CASCADE
Room sealed version
 for CGB-2 up to 20 kW

for product

Art. no.

€

DG

DN110/160

2651826

735.00

H40

Consisting of:

- 2 extensions DN60/100 for pipe coupling DN80/125
- 2 extensions DN80/125 for pipe coupling DN110/160
- 2 headers DN110/110/160
- Air/flue pipe DN110/160 with condensate drain
- End piece DN110/160 with inspection aperture
- Trap for condensate drain
- Tube of lubricant 50 ml

An additional air/flue pipe is required between the appliances when installing a gas condensing centre.


EXTENSION KIT FOR CASCADE
Room sealed version
 for CGB-2 up to 20 kW

DN110/160

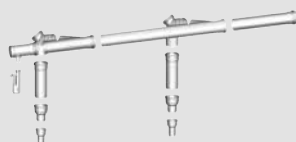
2651827

266.00

H40

Consisting of:

- Extension DN60/1 for pipe coupling DN80/125
- Extension DN80/125 for pipe coupling DN110/160
- Header DN110/110/160
- Tube of lubricant 50 ml


STANDARD KIT FOR CASCADE
 Ausführung raumluftabhängig
 aus Polypropylen bis 120°

bestehend aus:

- 2 Zuluftgittern
- 2 Abgasrohren Länge 250mm
- 2 Erweiterungen DN80 auf Muffe DN110 (bei 2651308), bzw. DN60 auf Muffen DN80 (bei 2651687)
- 2 Revisionsbögen 87°
- 2 Sammlern
- Endstück mit Revisionsöffnung und Kondensatablauf
- Siphon für Endstück
- Gleitmittel-Tube 50ml

COB-29, CGB-2 to 24 kW, TOB-18
COB-29, CGB-35/50, CGB-K-40-35
COB-40, CGB-75/100

DN110/110

2651686

486.00

H40

DN110/160

2651308

499.00

H40

DN110/160

2651310

530.00

H40

Note: In Verbindung mit COB-29/40 ist eine motorgesteuerte Abgasklappe DN80 bzw. DN110 erforderlich.

WOLF

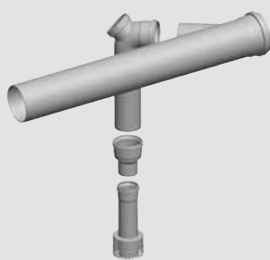
MULTIPLE OCCUPATION AND CASCADES FROM 100KW

for product

Art. no.

€

DG



EXTENSION KIT CASCADE DN110

Version dependent on room air

consisting of:

- Extension DN60 to socket DN80 (polypropylene)
- Extension DN80 to socket DN110 (polypropylene)
- Exhaust pipe DN110 x 250 (polypropylene)
- Revision bend 87° DN110 (Polypropylene)
- Collector DN110/110 (Polypropylene)
- lubricant tube 50ml

CGB-2 till 24kw, TOB-18

DN110/110

2651687

200.00

H40

COB-29, CGB-35/50, CGB-K-40-35

DN110/160

2651309

210.00

H40

COB-40, CGB-75/100

DN110/160

2651462

318.00

H40



MOTORISED FLUE GAS DAMPER

For installation in the flue

Length 200 mm

DN80/125

2651088

580.00

H40

DN110

2651773

650.00

H40



TRAP

Polypropylene

Effective height 230 mm

2071608

23.80

H40

FLUE GAS
SYSTEMS

WOLF

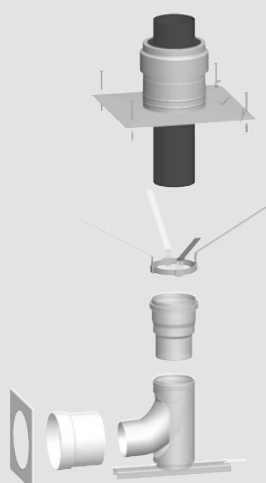
MULTIPLE OCCUPATION AND CASCADES FROM 100KW

for product

Art. no.

€

DG



SHAFT KIT FOR CASCADE

Room sealed version

Consisting of:

- Shaft cover DN80 (polypropylene) with terminal pipe (polypropylene, black)
- 6 spacers DN80 (polypropylene)

Reducer DN110 for pipe coupling DN8 (polypropylene)

- 87° support bend DN110 (polypropylene) with support*

Wall lining DN110/160 (stainless steel)

- Wall plate DN160 (stainless steel)
- Tube of lubricant 50 ml

.

- Pipe sections must be ordered separately subject to required height.

DN110 connection - DN80 riser pipe

DN110 on DN80

2651828

210.00

H40

DN110 connection - DN110 riser pipe

DN110

2651688

237.00

H40

DN110 connection - DN125 riser pipe

DN110 on DN125

2651689

388.00

H40

DN110 connection - DN160 riser pipe

DN110 on DN160

2651829

443.00

H40

To DN160 shaft / DN160 riser pipe

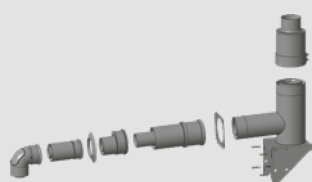
DN160/160

2651294

413.00

H40

Note: A flue of appropriate length can be used for support instead of the support rail.



BASIC KIT MULTIPLE OCCUPANCY FACADE

DN110/160

2652166

705.00

H40

Consisting of:

- Revision bend DN60/100 concentric 87°
- Exhaust pipe DN60/100 concentric 1000mm
- Cover plate DN100
- Eccentric extension DN60/100 - DN80/125
- Wall duct DN80/125
- External wall bracket DN80/125 - DN110/160 87° (stainless steel)
- Muzzle closure DN110/160 (stainless steel)



EXTENSION KIT MULTIPLE OCCUPANCY FACADE

DN110/160

2652167

825.00

H40

Consisting of:

- Revision bend DN60/100 concentric 87°
- Exhaust pipe DN60/100 concentric 1000mm
- Cover plate DN100
- Eccentric extension DN60/100 - DN80/125
- Wall duct DN80/125
- Erg. set CLV Facade DN110/160



TEMPLATE FOR WALL BRACKET

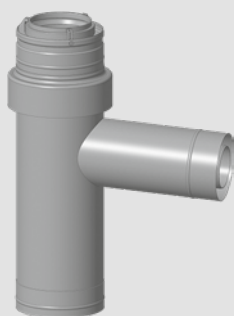
for external wall console

2652171

12.00

H40

MULTIPLE OCCUPATION AND CASCADES FROM 100KW

**CONNECTION T-PIECE**

for multiple occupancy on the facade (outer wall)

Stainless steel / polypropylene

Outer pipe DN110/160

Outlet DN80/125

for product

Art. no.

€

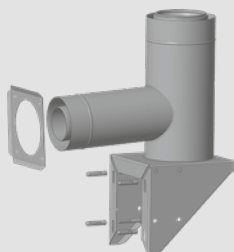
DG

DN110/160

2652169

346.00

H40

**EXTERNAL WALL CONSOLE**

for multiple occupancy on the facade (outer wall)

incl. wall cover (outside) and fixing material

Stainless steel / polypropylene

DN80/125 to DN110/160

DN110/160

2652168

323.00

H40

**COMPENSATION PIECE**

for multiple occupancy on the facade (outer wall)

adjustable from 590mm - 1000mm

Stainless steel / polypropylene

DN110/160

2652170

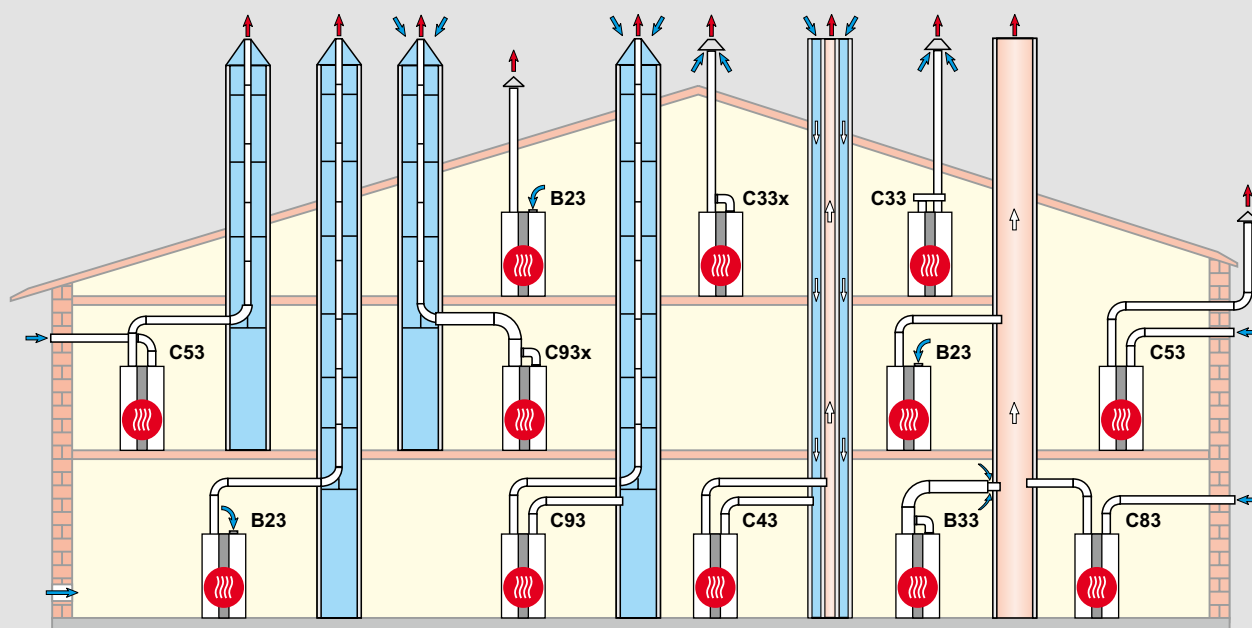
253.00

H40

WOLF

SYSTEM OVERVIEW

CONDENSING BOILERS OVER 100 KW



design variants

Manner

B23	Exhaust pipe in the shaft and combustion air directly via boiler (depending on room air)
B33	Connection to moisture-insensitive flue gas stack with horizontal connection pipe
C33x	Vertical concentric roof lead-through through sloping roof or flat roof, vertical concentric air/flue gas duct for shaft installation (room air independent)
C43	Connection to a moisture-insensitive air/flue stack (room air-independent)
C43	The orifice for combustion air supply and flue gas duct are located in different pressure ranges (room air-independent)
C53	Connection to flue pipe on facade with horizontal connection pipe (length 2.5 m) (room air-independent)
C53	Connection to flue pipe on facade with horizontal concentric connection pipe (room air-independent)
C63	The exhaust system is not tested and certified with the unit. It must comply with the building regulations of the respective countries.
C83	Connection to moisture-insensitive flue gas stack and combustion air through external wall (room air-independent)
C93	Vertical flue pipe for shaft installation with horizontal connection pipe (length 2.5 m) (room air-independent)
C93X	vertical flue pipe for shaft installation with horizontal concentric connection pipe (length 2.5 m) (room air-independent)

Note: The heat generators are also suitable for installation in frost-proof garages in room air-independent operation.

The installation examples may have to be adapted to the building and national regulations. Questions on installation, in particular for the installation of inspection parts and supply air openings (ventilation over 50kW is generally required), must be connected before installation with to the responsible district chimney sweep.

The length specifications refer to the concentric air/flue gas duct and flue gas ducts and only to original WOLF parts.

Please observe the maximum length of the horizontal flue pipe in accordance with the installation instructions for the heat generator.

The following air/exhaust lines or exhaust lines with CE-0036-CPD-9169003 approval may be used:

- Flue pipe DN160 to DN315
- Concentric air/flue gas duct DN160/225 to DN315/400

The required identification plates are enclosed with the respective WOLF accessories.

The mounting instructions enclosed with the accessories must also be observed.

WOLF

SYSTEM OVERVIEW

CONDENSING BOILERS OVER 100 KW

Single boiler plant:

Design variants for condensing boilers		Maximum length in meters vertical					
		DN	MGK-2				
			-130	-170	-210	-250	-300
B23(P)	Exhaust pipe in the shaft and combustion air directly via boiler (depending on room air)	160 ²⁾	50	50	47	35	20
		200 ³⁾	50	50	50	50	50
B33	Connection to humidity insensitive flue gas stack with horizontal connecting cable	160 ²⁾ 200 ³⁾	Calculation ¹⁾ according to EN 13384-1				
C33	Combustion air supply and exhaust gas routing via roof in common pressure range ⁴⁾	160 ²⁾ 200 ³⁾	Calculation ¹⁾ according to EN 13384-1 (see also example C33)				
C33(x)	Vertical concentric roof duct through pitched roof or flat roof; vertical concentric air/flue gas duct for shaft installation (each room air-independent)	160/225	15	15	13	8	3
		200/300	-	-	-	15	15
C43(x)	Connection to a moisture-insensitive Air/exhaust chimney (room air independent)	160 ²⁾ 200 ³⁾	Calculation ¹⁾ according to EN 13384-1				
C53	The openings for combustion air supply and flue gas are located in different pressure ranges (independent of room air)	160 ²⁾	50	50	47	35	20
		200 ³⁾	50	50	50	50	50
C53(x)	Connection to flue pipe Façade with horizontal concentric connection pipe (length: 2.5m); room air-independent	160/225	50	50	35	5	-
		200/300	-	-	-	50	50
C63	The exhaust system is not tested and certified with the unit. It must comply with the building regulations of the respective countries	160 200	Calculation ¹⁾ according to EN 13384-1 (RLU)				
C83	Connection to moisture-insensitive flue gas stack and combustion air through external wall (room air-independent)	160 200	Calculation ¹⁾ according to EN 13384-1				
C93	Vertical flue pipe for shaft installation with horizontal eccentric connection pipe; room air-independent	160	25	16	6	-	-
		200	30	32	32	26	32
C93x	Vertical flue pipe for shaft installation with horizontal concentric connection pipe; room air-independent	160	25	16	6	-	-
		200	30	32	32	26	32

¹⁾ Available fan delivery pressure:

MGK-2-130 $Q_{max}/Q_{min} = 200\text{Pa} / 10\text{Pa}$

MGK-2-170, -210, -250, -300 $Q_{max}/Q_{min} = 150\text{Pa} / 10\text{Pa}$

²⁾ Flue gas pipe DN 160 made of PP with approval number CE 0036CPD9169003

³⁾ Flue gas pipe DN 200 made of PP with approval number CE 0036CPD9169003

⁴⁾ Only original Wolf parts may be used

WOLF

SYSTEM OVERVIEW

CONDENSING BOILERS OVER 100 KW

Single boiler plant:

Design variants for condensing boilers

Maximum length in meters vertical

MGK-2

		DN	-390	-470	-550	-630	-800	-1000
B23	Exhaust pipe in the shaft and combustion air directly via boiler (depending on room air)	160 ¹⁾	8	-	-	-	-	-
		200	50	40	19	9	-	-
		250	50	50	50	50	50	50
		315	-	-	-	-	50	50
B33	Connection to humidity insensitive flue gas stack with horizontal connecting cable	250	Calculation according to EN 13384 (LAS manufacturer)					
		315						
C33	Combustion air supply and exhaust gas duct via roof in common pressure range	250	Calculation according to EN 13384 (LAS manufacturer)				-	-
		315					-	-
C33	Vertical concentric roof lead-through through pitched roof or flat roof; vertical concentric air/flue gas pipe for shaft installation (room air-independent)	250/350	38	27	13	4	-	-
		315/400	47	38	22	13	-	-
C43	Connection to a moisture-insensitive air/flue stack (room air-independent)	250	Calculation according to EN 13384 (LAS manufacturer)					
		315						
C53	The orifices for combustion air supply and flue gas are located in different pressure ranges (room air independent)	200	35	22	-	-	-	-
		250	50	50	50	24	50 ²⁾	40 ²⁾
		315	-	-	-	-	50 ²⁾	50 ²⁾
C53	Connection to flue pipe on facade with horizontal eccentric connection pipe (length 2.5 m) (room air-independent)	200/300	39	24	-	-	-	-
		250/350	50	50	50	34	50 ²⁾	37 ²⁾
		315/400	-	-	-	50	50 ²⁾	50 ²⁾
C63	The exhaust system is not tested and certified with the unit. It must comply with the building regulations of the respective countries.	250	Calculation according to EN 13384 (LAS manufacturer)					
		315						
C83	Connection to moisture-insensitive flue gas chimney and Combustion air through outside wall (room air-independent)	250	Calculation according to EN 13384 (LAS manufacturer)					
		315						
C93	Vertical flue pipe for shaft installation with horizontal eccentric connection pipe, room air-independent supply air pipe DN200. The openings are located in the same pressure range, combustion air supply via existing shaft. (edge length in mm)	250/250	50	45	16	-	-	-
		(370x370)						
		250/315	-	50	50	23	-	-
		(450x450)						
		315/315	-	-	-	33	19	9
		(450x450)						

¹⁾ Applies to horizontal connecting pipe DN 200 with 2m length and one elbow with 87° (corresponds to 3m effective length)

²⁾ Supply air pipe: 5m, 1 bend x 87°

Remark:

Length of connecting cable: 2 m, 1 additional bend with 87° (corresponds to 3m effective length)

Shaft cross-section = minimum ring splitting according to DIN 18160 Part 1

Available fan delivery pressure: see Technical data

(Maximum length corresponds to total length from unit to exhaust outlet)

Note: The heat generators are also suitable for installation in frost-proof garages in room air-independent operation.

The installation examples may have to be adapted to the building and national regulations. Questions on installation, in particular for the installation of inspection parts and supply air openings must be clarified with the responsible district chimney sweep before installation. **The length specifications refer to the concentric air/flue gas duct and flue gas ducts and only to original WOLF parts.**

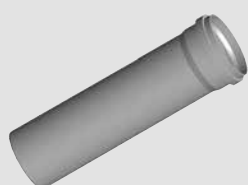
The following air/flue lines or flue lines with CE-0036-CPD-9169003 approval may be used:

- Exhaust pipes DN 160, DN 200, DN 250 and DN 315
- Concentric air/flue gas duct DN 250/350 and DN 315/400

The required identification plates are enclosed with the respective WOLF accessories.

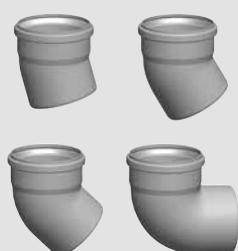
The mounting instructions enclosed with the accessories must also be observed.

ACCESSORIES SINGLE-WALLED / CONCENTRIC FROM 100KW

**FLUE**

Made from polypropylene up to 120 °C

	for product	Art. no.	€	DG
Length 250 mm	DN160	2651333	21.40	H40
	DN200	2651359	91.00	H40
	DN250	2651401	93.00	H40
Length 500 mm	DN160	2651315	33.90	H40
	DN200	2651360	95.00	H40
	DN250	2651402	130.00	H40
	DN315	2651426	463.00	H40
Length 1000 mm	DN160	2651316	51.00	H40
	DN200	2651361	116.00	H40
	DN250	2651403	181.00	H40
	DN315	2651427	550.00	H40
Length 2000 mm	DN160	2651317	73.00	H40
	DN200	2651376	220.00	H40
	DN250	2651404	285.00	H40
	DN315	2651428	795.00	H40

**FLUE BEND**

Made from polypropylene up to 120 °C

15°	DN160	2651318	31.80	H40
15°	DN200	2652015	195.00	H40
30°	DN160	2651319	31.80	H40
30°	DN200	2652016	202.00	H40
30°	DN250	2651405	211.00	H40
45°	DN160	2651320	31.80	H40
45°	DN200	2652017	208.00	H40
45°	DN250	2651406	244.00	H40
87°	DN160	2651321	36.00	H40
87°	DN200	2652018	266.00	H40
90°	DN250	2651407	282.00	H40
	DN315	2651431	710.00	H40

**SPACER**

(recommended distance max. 2m)

made of polypropylene up to 120°C	DN160	2651322	10.80	H40
made of stainless steel	MGK-2, CGB-75/100	2651375	32.80	H40
made of stainless steel	DN250	2651413	35.20	H40
made of stainless steel	DN315	2651437	111.00	H40

**INSPECTION PIPE**

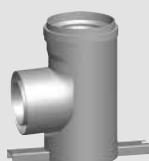
Made from polypropylene up to 120 °C

Length 290 mm	DN160	2651356	91.00	H40
Length 600 mm	DN200	2651369	244.00	H40
Length 600 mm	DN250	2651409	347.00	H40
Length 600 mm	DN315	2651433	830.00	H40

**87° INSPECTION BEND**

Made from polypropylene up to 120 °C

DN160	2651357	91.00	H40
DN200	2652019	324.00	H40
DN250	2651408	358.00	H40
DN315	2651432	780.00	H40

**87° SUPPORT BEND**

Made from polypropylene up to 120 °C

DN160	2651326	124.00	H40
DN200	2651374	344.00	H40

**ADAPTOR****For room sealed operation**

For installation with appliance, use supply air connector (part no. 2651327). Use inverted sleeve for external wall systems.

for product

Art. no.

€

DG

2 x DN160 > DN160/225	2651332	366.00	H40
2 x DN160 > DN200/300	2651898	790.00	H40
DN160 + DN200 > DN200/300	2651830	437.00	H40

**ADAPTOR**

For connecting the air duct and the flue from the floorstanding gas condensing boiler connection and connecting a concentric flue
Made from polypropylene up to 120°C

DN200 auf DN250/350	2651851	625.00	H40
DN200 auf DN315/400	2651943	1395.00	H40

**SUPPLY AIR CONNECTION PIECE**

Made from polypropylene up to 120°C

DN160	2651327	176.00	H40
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**INVERTED SLEEVE**

Made from stainless steel

DN225	2651868	77.00	H40
DN300	2651869	79.00	H40

**ECCENTRIC REDUCER**

Made from polypropylene up to 120 °C

DN200 auf DN160	2651330	162.00	H40
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**REDUCER**

Made from polypropylene up to 120 °C

DN200 auf DN160	2651370	225.00	H40
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**REDUCER**

Made from polypropylene up to 120 °C

DN250 auf DN200	2651849	211.00	H40
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**EXTENSION**

Made from polypropylene up to 120 °C

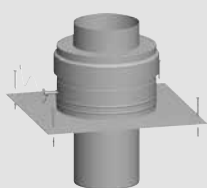
DN160 auf DN200	2651371	124.00	H40
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**ECCENTRIC EXTENSION**

Made from polypropylene up to 120 °C

DN160 auf DN200	2651372	121.00	H40
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ACCESSORIES SINGLE-WALLED / CONCENTRIC FROM 100KW

**SHAFT COVER**

Made from stainless steel

	for product	Art. no.	€	DG
Terminal pipe, polypropylene UV black	DN160	2651355	170.00	H40
Terminal pipe, polypropylene UV black	DN200	2651368	299.00	H40
Terminal pipe, stainless steel	DN160	2651349	238.00	H40
Terminal pipe, stainless steel	DN200	2651395	342.00	H40
Terminal pipe, stainless steel	DN250	2651419	464.00	H40

**PIPE CLIP**Including double-ended screw and rawl plug
[Max. recommended clearance 2 m]

DN160	2651328	19.70	H40
DN200	2651373	75.00	H40
DN250	2651463	84.00	H40
DN315	2651464	89.00	H40

**PIPE CLIP AS INSTALLATION AID**

Made from stainless steel with lowering straps

DN160	2651710	33.90	H40
DN200	2651362	30.60	H40
DN250	2651711	42.00	H40

**SUPPORT KIT**

Made from polypropylene up to 120°C

DN250	2651853	570.00	H40
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**GASKET**

1 set = 5 pcs

For flue	DN160	2651351	54.00	H40
For flue	DN200	2651397	82.00	H40
For flue	DN250	2651421	89.00	H40

**LUBRICANT TUBE**

Content 50 ml

265132999	8.80	H40
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**OUTLET TERMINAL**

Stainless steel / polypropylene, length 250 mm
For flues on external walls

for product

Art. no.

€

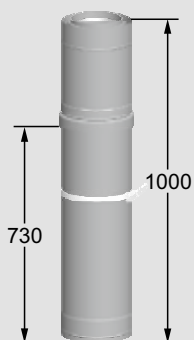
DG

DN160/225	2651347	254.00	H40
DN200/300	2651394	332.00	H40
DN250/350	2651422	377.00	H40
DN315/400	2651444	710.00	H40

**VENTILATION AIR CONNECTOR**

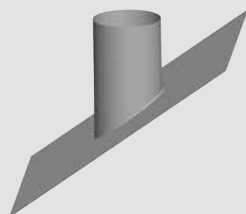
Stainless steel / polypropylene, length 250 mm
For flues on external walls

DN160/225	2651350	379.00	H40
DN200/300	2651396	452.00	H40
DN250/350	2651420	560.00	H40
DN315/400	2651446	670.00	H40

**ROOF OUTLET FOR AIR/FLUE PIPE**

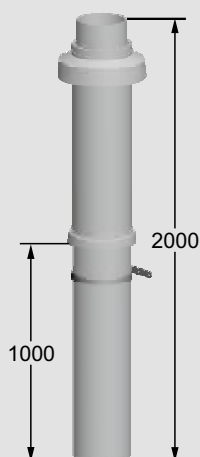
Stainless steel/polypropylene
Length 1000mm
Including mounting bracket

DN160/225	2651346	625.00	H40
DN200/300	2651393	835.00	H40
DN250/350	2651418	980.00	H40

**ROOF TILE**

Stainless steel with flexible lead flashing, suitable for all roof coverings.

25-30°	DN160/225	2651454	379.00	H40
30-35°	DN160/225	2651455	379.00	H40
35-40°	DN160/225	2651456	379.00	H40
40-45°	DN160/225	2651457	379.00	H40

**CONCENTRIC ROOF OUTLET**

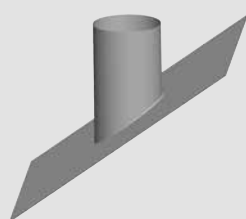
For concentric flue gas duct DN160/225
without supply air, polyethylene, black

COB-29/40, MGK-2-130-300, CGB-75/100	2651345	450.00	H40
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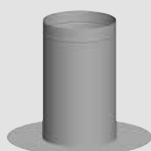
Consisting of:

Air/flue gas duct for vertical roof outlet with fixing bracket

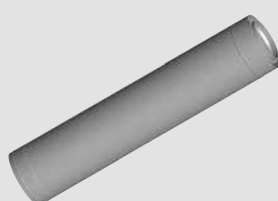
ACCESSORIES SINGLE-WALLED / CONCENTRIC FROM 100KW



	for product	Art. no.	€	DG
UNIVERSAL TILE For concentric flue DN160/225 Plastic with flexible lead flashing, suitable for all roof coverings. 25-45° black	DN186	2651460	154.00	H40



FLAT ROOF COLLAR Stainless steel for vertical roof outlet				
DN186	DN160/225	2651459	75.00	H40
DN225	DN160/225	2651458	291.00	H40
DN300	DN200/300	2651400	328.00	H40
DN350	DN250/350	2651425	366.00	H40



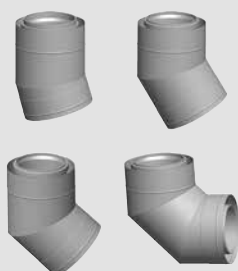
CONCENTRIC PIPE Stainless steel/polypropylene Suitable for indoor and outdoor installation				
Length 500 mm	DN160/225	2651334	168.00	H40
	DN200/300	2651383	308.00	H40
	DN250/350	2651410	332.00	H40
Length 1000 mm	DN160/225	2651335	249.00	H40
	DN200/300	2651384	444.00	H40
	DN250/350	2651411	505.00	H40
Length 2000 mm	DN315/400	2651435	1215.00	H40



CLAMP FITTING				
	DN225	2651832	121.00	H40
	DN300	2651865	119.00	H40
	DN350	2651866	152.00	H40
	DN400	2651867	168.00	H40



ADJUSTABLE WALL RETAINER Stainless steel (max. recommended clearance 2 m)				
	DN225	2651353	161.00	H40
	DN300	2651399	239.00	H40
	DN350	2651424	249.00	H40
	DN400	2651448	358.00	H40



CONCENTRIC BEND Stainless steel/polypropylene Suitable for indoor and outdoor installation				
15°	DN160/225	2651336	198.00	H40
30°	DN160/225	2651337	202.00	H40
	DN200/300	2651385	202.00	H40
45°	DN160/225	2651338	208.00	H40
	DN200/300	2651386	208.00	H40
	DN250/350	2651831	550.00	H40
90°	DN160/225	2651339	266.00	H40
	DN200/300	2651387	266.00	H40



CONCENTRIC INSPECTION PIPE Stainless steel/polypropylene Suitable for indoor and outdoor installation				
Length 400 mm	DN160/225	2651340	442.00	H40
Length 600 mm	DN200/300	2651388	695.00	H40
Length 600 mm	DN250/350	2651412	1195.00	H40
Length 600 mm	DN315/400	2651436	1745.00	H40

**CONCENTRIC WALL OUTLET**

Length 500mm, stainless steel/polypropylene
Suitable for indoor and outdoor installation

for product

Art. no.

€

DG

DN160/225	2651342	194.00	H40
DN200/300	2651390	229.00	H40
DN250/350	2651415	241.00	H40
DN315/400	2651439	291.00	H40

**CONCENTRIC WALL LINING**

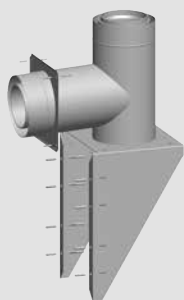
Stainless steel

DN160/225	2651343	73.00	H40
DN200/300	2651391	98.00	H40
DN250/350	2651416	99.00	H40
DN315/400	2651440	111.00	H40

**WALL PLATE**

Stainless steel for covering the wall opening

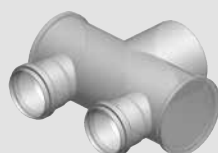
DN225	2651323	37.50	H40
DN300	2651398	59.00	H40
DN350	2651423	97.00	H40
DN400	2651447	135.00	H40

**EXTERNAL WALL BRACKET, CONCENTRIC**

Stainless steel / polypropylene including wall
plate
[external] and fixing materials

DN160/225	2651344	960.00	H40
DN200/300	2651392	1685.00	H40
DN250/350	2651417	2010.00	H40
DN315/400	2651441	3285.00	H40

Note: A ventilation air connector for air/flue
pipes is required for room sealed operation.

**UNIVERSAL Y PIPE**

Made from polypropylene up to 12 °C

on request

**GASKET**

1 set = 5 pcs

For flue	DN160	2651351	54.00	H40
For flue	DN200	2651397	82.00	H40
For flue	DN250	2651421	89.00	H40

**LUBRICANT TUBE**

Content 50 ml

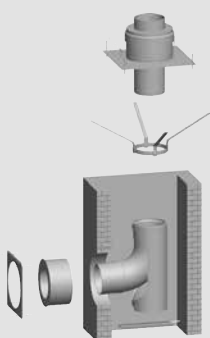
265132999	8.80	H40
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for product

Art. no.

€

DG

**SHAFT KIT****Room sealed version, C33, C53****or Open flue version, B23**

consisting of:

- Shaft cover DN160 (stainless steel) with discharge pipe (polypropylene, black)
- Spacer DN160
- Support bend 87° DN160 (polypropylene) with support
- Wall lining DN160/225 (stainless steel)
- Wall plate DN225 (stainless steel)
- Lubricant tube 50ml

Pipe lengths are to be ordered separately, appropriately for the height.

To DN160 shaft / DN160 riser pipe

DN160/160

2651294

413.00

H40

To DN160 shaft / DN200 riser pipe

DN160/200

2651465

595.00

H40

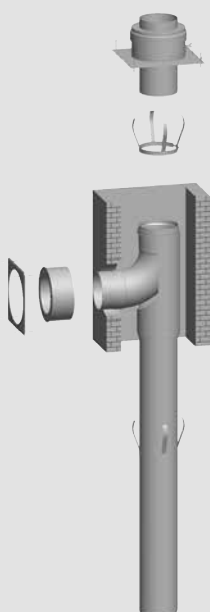
To DN200 shaft / DN200 riser pipe

DN200/200

2651295

960.00

H40

**SHAFT KIT****Room sealed version, C33, C53****or Open flue version, B23**

consisting of:

- Shaft cover DN160 (stainless steel) with discharge pipe (polypropylene, black)
- Spacer DN160
- Support bend 87° DN160 (polypropylene) with support
- Wall lining DN160/225 (stainless steel)
- Wall plate DN225 (stainless steel)
- Lubricant tube 50ml

Pipe lengths are to be ordered separately, appropriately for the height.

To DN250 shaft / DN250 riser pipe

DN250/250

2651297

1840.00

H40

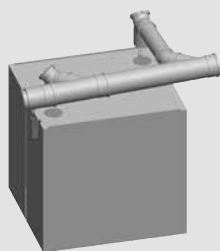
To DN315 shaft / DN315 riser pipe

MGK-2

2651299

2945.00

H40

**MGK-2 TWIN STANDARD KIT**

Version dependent on room air
made of polypropylene up to 120° C

consisting of:

- 2 inspection bends 87° DN200
- Exhaust pipe DN200 x 300mm
- Elbow DN200 x 45
- 2 collectors DN200/250
- End piece DN250 with inspection opening and condensate drain
- Siphon for end piece
- lubricant tube 50ml

MGK-2-170/210/250

DN160/200

2651292

1170.00

H40

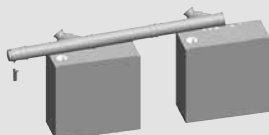
MGK-2-300

DN200/250

2651293

1840.00

H40

**MGK-2 SERIES STANDARD KIT**

Version dependent on room air
made of polypropylene up to 120°C

consisting of:

- 2 inspection bends 87° DN160
- 2 collectors DN160/200
- Exhaust pipe DN200 x 1000mm
- End piece DN200 with inspection opening and condensate drain
- Siphon for end piece
- lubricant tube 50ml

MGK-2-130/170/210/250

DN160/200

2651300

1300.00

H40

MGK-2-170/210/250

DN160/250

2651302

1350.00

H40

MGK-2-300

DN200/250

2651304

1785.00

H40

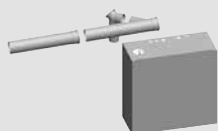
MGK-2-300

DN200/315

2651306

3360.00

H40

**MGK-2 SERIES EXTENSION KIT**

Version dependent on room air
made of polypropylene up to 120°C

consisting of:

- Revision bend 87° DN160
- Collector DN160/200
- Exhaust pipe DN200 x 1000mm
- lubricant tube 50ml

MGK-2-130/170

DN160/200

2651301

610.00

H40

MGK-2-170/210/250

DN160/250

2651303

635.00

H40

MGK-2-300

DN200/250

2651305

810.00

H40

MGK-2-300

DN200/315

2651307

1715.00

H40

HOSE KIT FOR HEADER END PIECE

For flue gas cascades for connection to the
neutraliser

8752656

85.00

H40

Consisting of:

Trap, 3x condensate hose and tee

MGK-2-130-300

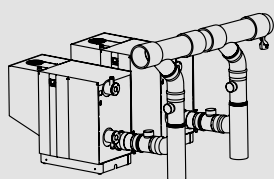
MULTIPLE OCCUPATION AND CASCADES FROM 300KW



for product	Art. no.	€	DG
TRAP Polypropylene Effective height 230 mm	2071608	23.80	H40

WOLF

MULTIPLE OCCUPATION AND CASCADES FROM 300KW



STANDARD KIT FOR FLUE CASCADE

for two MGK-2-390-1000, version dependent on room air

consisting of:

- 4 inspection pipes DN 250
- 2 supports DN 250
- 2 bends 45° DN 250
- 2 collecting pipes DN 250/315
- 1 pipe DN315 x 500mm
- 1 inspection end piece DN 315
- 1 siphon blocking height 90 XL
- 1 condensate hose 260mm
- 1 T-pipe connector
- 2 lubricant tubes 50ml

for product

Art. no.

€

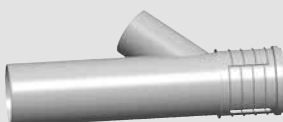
DG

DN250/315

8752099

8705.00

H40



HEADER (CASCADE)

made of polypropylene up to 120° C

consisting of:

Pipe DN315 with outlet DN250 - 42° for connecting a gas condensing boiler with connection pipe DN250

DN250/315

2651852

905.00

H40



INSPECTION END PIECE

made of polypropylene up to 120°C
with inspection cover and condensate connection
length 440mm

DN315

2651860

760.00

H40



TRAP

Polypropylene
Effective height 230 mm

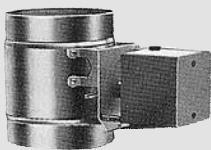
2071608

23.80

H40

WOLF

FLUE GAS ROUTING HEATING VALUE BOILERS



MOTORISED FLUE GAS DAMPER

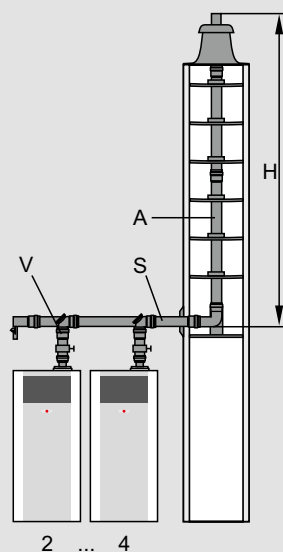
For installation in the flue

for product	Art. no.	€	DG
DN110	2484069	520.00	H40
DN130	2484070	525.00	H40

WOLF

CASCADES

Cascade (overpressure) room air dependent COB-2-29/40

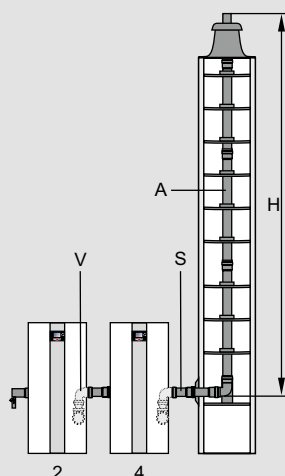


The following bases were taken into account in all calculations for the design tables:

- Length between the individual devices: 1.0m
- length after the last device: 2,0m
- Resistors: 2 pieces 45° bends in the diameter of the collector pipe (optionally as lateral offset or as 90° deflection)
- combustion air supply: from the installation room
- Shaft back-ventilation: in co-current principle
- Geodetic height: 325 meters

COB-2		V	S	A	rund	eckig	H
		Nominal size Connection line to the device	Nominal size Collector	Nominal size Flue pipe vertical	minimum Shaft size	minimum Shaft size	reachable height from shaft entrance to shaft mouth
29	2x Series	DN110	DN110	DN110	188mm	168mm	39m
	2x Series	DN110	DN110	DN160	244mm	224mm	50m
	3x Series	DN110	DN110	DN110	188mm	168mm	9m
	3x Series	DN110	DN110	DN160	244mm	224mm	50m
	4x Series	DN110	DN110	DN160	244mm	224mm	29m
	4x Series	DN110	DN110	DN200	280mm	260mm	50m
40	2x Series	DN110	DN110	DN110	188mm	168mm	32m
	2x Series	DN110	DN110	DN160	244mm	224mm	50m
	3x Series	DN110	DN110	DN160	244mm	224mm	50m
	4x Series	DN110	DN110	DN200	280mm	260mm	49m

CASCADES (positive pressure) room air dependent
TGB-2-20/30



Maximum height of flue gas routing with manifold.

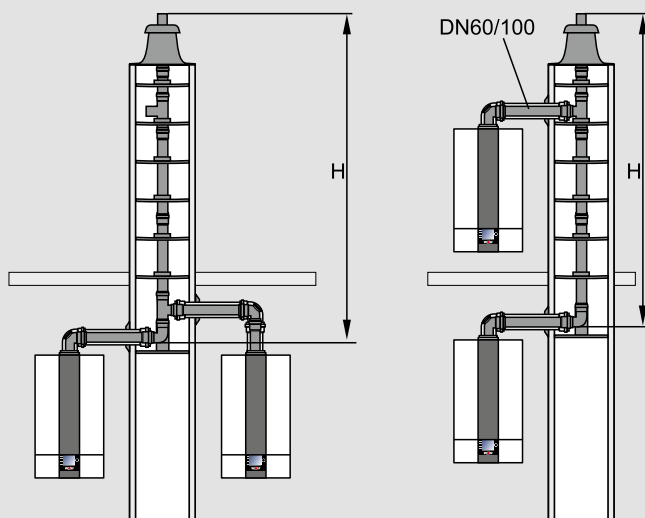
Prerequisites for the calculation:

- Length of the exhaust pipe between the individual heat generators maximum 1 m
- Length of exhaust pipe after the last heat generator maximum 2 m
- Geodetic height: 325 m
- If the conditions at the installation site differ, perform an individual calculation.

TGB-2		V Nominal size Connection line to the device	S Nominal size Collector	A Nominal size Flue pipe vertical	rund minimum Shaft size	eckig minimum Shaft size	H reachable height from shaft ent- rance to shaft mouth
20	2x Series	DN110	DN110	DN110	188mm	168mm	30m
	3x Series	DN110	DN110	DN110	188mm	168mm	21m
	4x Series	DN110	DN160	DN160	244mm	224mm	30m
	5x Series	DN110	DN160	DN160	244mm	224mm	30m
30	2x Series	DN110	DN110	DN110	188mm	168mm	30m
	2x Series	DN110	DN160	DN160	244mm	224mm	30m
	3x Series	DN110	DN160	DN160	244mm	224mm	30m

WOLF CASCADES

Multiple occupancy room sealed CGB-2(K)-14/20/24, CGS-2, CGW-2

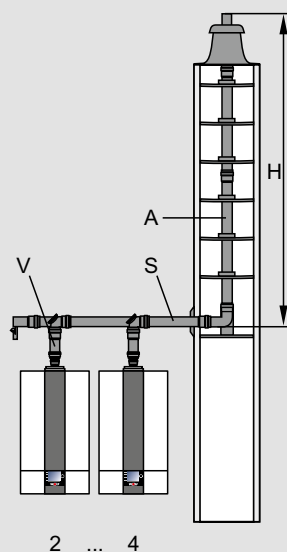


The following bases were taken into account in all calculations for the design tables:

- Connection line to the shaft: 1 x inspection bend 87° and 1m air / exhaust gas duct
- Safety factor 1.2
- Minimum distance between the individual fireplaces: 0.25m
- shaft cross section: DN110 - 168mm x 168mm
DN125 - 186mm x 186mm
- Maximum operating pressure: 60Pa

Max. Flue gas length vertical in m

Quantity devices	Devices/ Floor	CGB-2 14		CGB-2 20		CGB-2 24	
		DN110	DN125	DN110	DN125	DN110	DN125
2	1	50	50	50	50	50	50
	2	50	50	50	50	50	50
3	1	50	50	31	48	26	43
	2	50	50	29	46	24	41
4	1	35	50	19	32	15	26
	2	33	50	16	29	12	24
5	1	26	41	14	23	11	18
	2	22	38	10	19	7,5	14
6	1	20	32	-	17	-	14
	2	15	28	-	12	-	9

CASCADES [positive pressure] room air dependent
CGB-2(K), CGS-2, CGW-2 up to 24kW


The following bases were taken into account in all calculations for the design tables:

- Length between the individual devices: 1.0m
- length after the last device: 2,0m
- Resistors: 2 pieces 45° bends in the diameter of the collector pipe (optionally as lateral offset or as 90° deflection)
- combustion air supply: from the installation room
- Shaft back-ventilation: in co-current principle
- Geodetic height: 325 meters

CGB-2(K) / CGS-2 / CGW-2

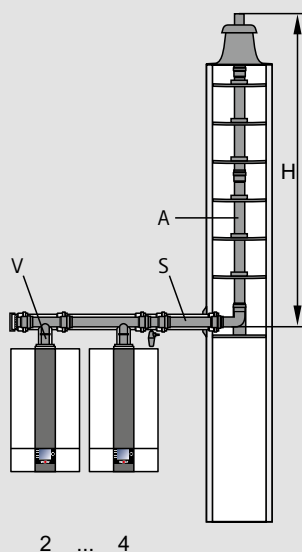
	V Nominal size Connection line to the device	S Nominal size Collector	A Nominal size Flue pipe vertical	rund minimum Shaft size	eckig minimum Shaft size	H reachable height from shaft ent- rance to shaft mouth
14 + 14	DN110	DN110	DN110	188mm	168mm	50m
20 + 20	DN110	DN110	DN110	188mm	168mm	50m
20 + 24	DN110	DN110	DN110	188mm	168mm	50m
24 + 24	DN110	DN110	DN110	188mm	168mm	50m
14 + 14 + 14	DN110	DN110	DN110	188mm	168mm	50m
20 + 20 + 20	DN110	DN110	DN110	188mm	168mm	50m
20 + 20 + 24	DN110	DN110	DN110	188mm	168mm	47m
	DN110	DN110	DN125	205mm	185mm	50m
20 + 24 + 24	DN110	DN110	DN110	188mm	168mm	44m
	DN110	DN110	DN125	205mm	185mm	50m
24 + 24 + 24	DN110	DN110	DN110	188mm	168mm	44m
	DN110	DN110	DN125	205mm	185mm	50m
14 + 14 + 14 + 14	DN110	DN110	DN110	188mm	168mm	50m
20 + 20 + 20 + 20	DN110	DN110	DN110	188mm	168mm	24m
	DN110	DN110	DN125	205mm	185mm	50m
20 + 20 + 20 + 24	DN110	DN110	DN110	188mm	168mm	19m
	DN110	DN110	DN125	205mm	185mm	47m
	DN110	DN125	DN125	205mm	185mm	50m
20 + 20 + 24 + 24	DN110	DN110	DN110	188mm	168mm	15m
	DN110	DN110	DN125	205mm	185mm	40m
	DN110	DN125	DN125	205mm	185mm	46m
	DN110	DN125	DN160	244mm	224mm	50m
20 + 24 + 24 + 24	DN110	DN110	DN110	188mm	168mm	12m
	DN110	DN110	DN125	205mm	185mm	33m
	DN110	DN125	DN125	205mm	185mm	40m
	DN110	DN125	DN160	244mm	224mm	50m
24 + 24 + 24 + 24	DN110	DN110	DN110	188mm	168mm	15m
	DN110	DN110	DN125	205mm	185mm	39m
	DN110	DN125	DN125	205mm	185mm	45m
	DN110	DN125	DN160	244mm	224mm	50m

WOLF

CASCADES

CASCADES [positive pressure] room air independent

CGB-2(K)-14/20, CGS-2-20/160, CGW-2-14/100, CGW-2-20/120



2 ... 4

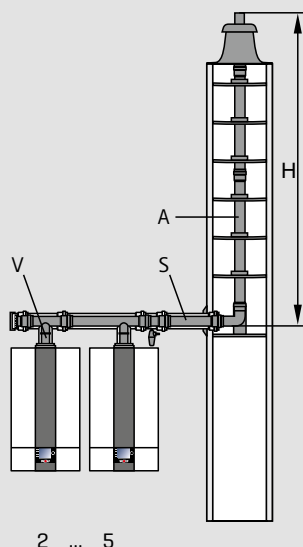
The following bases were taken into account in all calculations for the design tables:

- Length between the individual devices: 1.0m
- length after the last device: 2,0m
- Resistors: 2 pieces 45° bends in the diameter of the header pipe (optionally as lateral offset or as 90° deflection)
- Geodetic height: 325 meters
- Calculation software Kesa Aladin
- Max. Operating pressure 60Pa

CGB-2(K) / CGS-2 / CGW-2

		V Nominal size Connection line to the device	S Nominal size Collector	A Nominal size Flue pipe vertical	rund minimum Shaft size	eckig minimum Shaft size	H reachable height from shaft ent- rance to shaft mouth
14 + 14	2-er Series	DN80/125	DN110/160	DN80	155mm	135mm	24m
14 + 14 + 14	3-er Series	DN80/125	DN110/160	DN80	155mm	135mm	10m
	3-er Series	DN80/125	DN110/160	DN110	188mm	168mm	49m
14 + 14 + 14 + 14	4-er Series	DN80/125	DN110/160	DN110	188mm	168mm	27m
20 + 20	2-er Series	DN80/125	DN110/160	DN80	155mm	135mm	9m
		DN80/125	DN110/160	DN110	188mm	168mm	50m
20 + 20 + 20	3-er Series	DN80/125	DN110/160	DN110	188mm	168mm	24m
20 + 20 + 20 + 20	4-er Series	DN80/125	DN110/160	DN110	188mm	168mm	6m
24 kW - Devices				Calculation on demand			

CASCADES [positive pressure] room air dependent CGB-2-38/55



2 ... 5

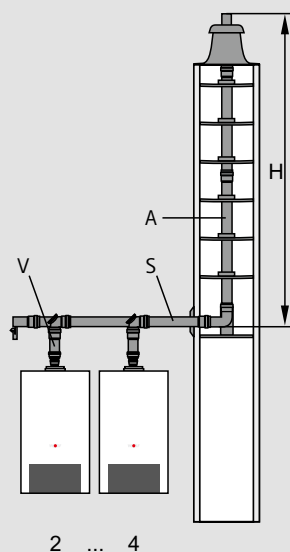
The following bases were taken into account in all calculations for the design tables:

- Length between the devices: 1m
- Length after the last device: 2.0 m
- resistances: 1 arc x 87
- room air dependent operation
- geod. height 325m
- max. operating pressure: 50Pa.
- partial load pressure of the units: 20 Pa each
- Otherwise unit data from database Kesa Aladin
- Si = 1,2
- Design of pressure conditions only
- one unit in partial load, the rest in full load is considered
- header DN160/110 (boiler spigot DN80)

CGB-2

		V Nominal size Connection line to the device	S Nominal size Collector	A Nominal size Flue pipe vertical	rund minimum Shaft size	eckig minimum Shaft size	H reachable height from shaft ent- rance to shaft mouth
38	2er Series	DN110	DN160	DN110	188mm	168mm	25m
38	2er Series	DN110	DN160	DN125	205mm	185mm	50m
38	3er Series	DN110	DN160	DN125	205mm	168mm	8m
38	3er Series	DN110	DN160	DN160	205mm	185mm	50m
38	4er Series	DN110	DN160	DN200	285mm	265mm	50m
38	5er Series	DN110	DN160	DN200	285mm	265mm	50m
55	2er Series	DN110	DN160	DN110	188mm	168mm	6m
55	2er Series	DN110	DN160	DN125	205mm	185mm	27m
55	2er Series	DN110	DN160	DN160	205mm	185mm	50m
55	3er Series	DN110	DN160	DN160	205mm	185mm	28m
55	3er Series	DN110	DN160	DN200	285mm	265mm	50m
55	4er Series	DN110	DN160	DN200	285mm	265mm	44m
55	5er Series	DN110	DN160	DN250	333mm	313mm	50m

CASCADES [positive pressure] room air dependent
CGB-75/100, CGB-2-75/100

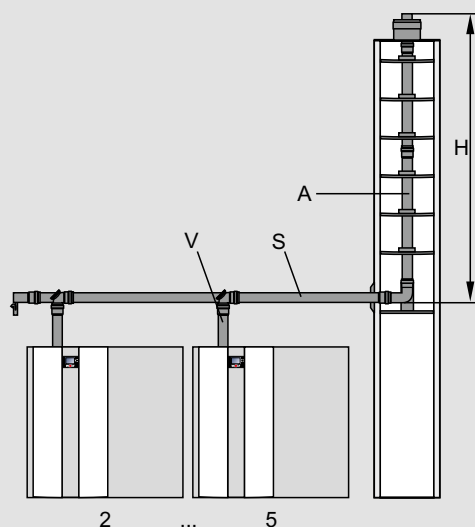


The following bases were taken into account in all calculations for the design tables:

- Length between the individual devices: 1.0m
- length after the last device: 2,0m
- Resistors: 2 pieces 45° bends in the diameter of the collector pipe (optionally as lateral offset or as 90° deflection)
- combustion air supply: from the installation room
- Shaft back-ventilation: in co-current principle
- Geodetic height: 325 meters

CGB		V	S	A	rund	eckig	H
		Nominal size Connection line to the device	Nominal size Collector	Nominal size Flue pipe vertical	minimum Shaft size	minimum Shaft size	reachabe height from shaft ent- rance to shaft mouth
75	2x Series	DN110	DN160	DN160	205mm	185mm	25m
	2x Series	DN110	DN160	DN200	285mm	265mm	50m
	3x Series	DN110	DN200	DN200	285mm	265mm	50m
	4x Series	DN110	DN250	DN250	333mm	313mm	50m
	4x Series	DN110	DN250	DN250	333mm	313mm	50m
	5x Series	DN110	DN250	DN250	411mm	351mm	50m
100	2x Series	DN110	DN160	DN160	244mm	224mm	25m
	2x Series	DN110	DN160	DN200	285mm	265mm	50m
	3x Series	DN110	DN200	DN250	333mm	313mm	50m
	4x Series	DN110	DN250	DN250	333mm	313mm	50m
	5x Series	DN110	DN250	DN315	411mm	351mm	50m
2-75	2x Series	DN110	DN160	DN160	205mm	185mm	47m
	2x Series	DN110	DN160	DN200	285mm	265mm	50m
	3x Series	DN110	DN160	DN200	285mm	265mm	31m
	3x Series	DN110	DN200	DN200	285mm	265mm	50m
	4x Series	DN110	DN200	DN250	333mm	313mm	50m
	5x Series	DN110	DN250	DN250	411mm	351mm	50m
2-100	2x Series	DN110	DN160	DN160	244mm	224mm	26m
	2x Series	DN110	DN160	DN200	285mm	265mm	50m
	3x Series	DN110	DN200	DN200	285mm	265mm	22m
	3x Series	DN110	DN200	DN250	333mm	313mm	50m
	4x Series	DN110	DN250	DN250	333mm	313mm	50m
	5x Series	DN110	DN250	DN315	411mm	351mm	50m

CASCADES [positive pressure] room air dependent
MGK-2-130-300



The following bases were taken into account in all calculations for the design tables:

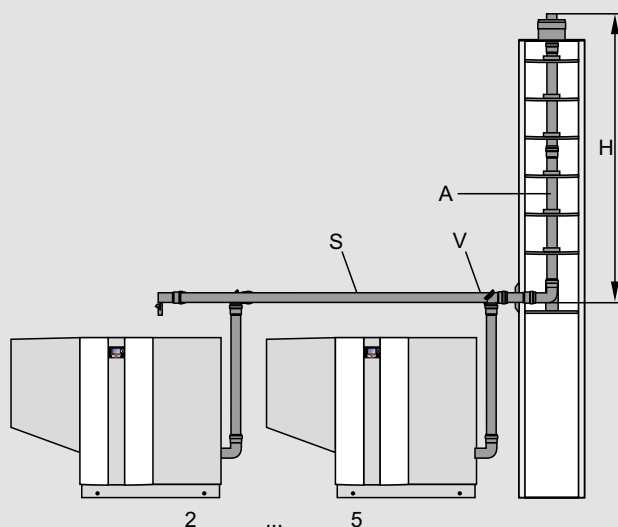
- Length between the individual devices: 1.0m
- length after the last device: 2,0m
- Resistors: 2 pieces 45° bends in the diameter of the collector pipe [optionally as lateral offset or as 90° deflection]
- combustion air supply: from the installation room
- Shaft back-ventilation: in co-current principle
- Geodetic height: 325 meters

For pipe cross-sections not specified, a calculation or design according to EN 13384-2 is required.

MGK-2		V	S	A	rund	eckig	H
		Nominal size Connection line to the device	Nominal size Collector	Nominal size Flue pipe vertical	minimum Shaft size	minimum Shaft size	reachable height from shaft entrance to shaft mouth
130	2x Series	DN160	DN200	DN200	280mm	260mm	50m
	3x Series	DN160	DN250	DN250	330mm	310mm	50m
	4x Series	DN160	DN250	DN250	330mm	310mm	45m
	4x Series	DN160	DN250	DN315	420mm	400mm	50m
	5x Series	DN160	DN250	DN315	420mm	400mm	50m
170	2x Twin	DN160	DN200	DN200	280mm	260mm	50m
	2x Series	DN160	DN160	DN200	280mm	260mm	50m
	3x Series	DN160	DN250	DN250	330mm	310mm	50m
	4x Series	DN160	DN250	DN315	420mm	400mm	50m
	5x Series	DN160	DN315	DN315	420mm	400mm	50m
210	2x Twin	DN160	DN200	DN200	280mm	260mm	35m
	2x Twin	DN160	DN200	DN250	330mm	310mm	50m
	2x Series	DN160	DN200	DN200	280mm	260mm	37m
	2x Series	DN160	DN250	DN250	330mm	310mm	50m
	3x Series	DN160	DN250	DN250	330mm	310mm	32m
	3x Series	DN160	DN250	DN315	420mm	400mm	50m
	4x Series	DN160	DN250	DN315	420mm	400mm	50m
	5x Series			Calculation on demand			
250	2x Twin	DN160	DN200	DN200	280mm	260mm	13m
	2x Twin	DN160	DN200	DN250	330mm	310mm	50m
	2x Series	DN160	DN200	DN200	280mm	260mm	13m
	2x Series	DN160	DN250	DN250	330mm	310mm	50m
	3x Series	DN160	DN250	DN315	420mm	400mm	50m
	4x Series	DN160	DN315	DN315	420mm	400mm	37m
	5x Series			Calculation on demand			
300	2x Twin	DN200	DN250	DN250	330mm	310mm	50m
	2x Series	DN200	DN250	DN250	330mm	310mm	50m
	3x Series	DN200	DN250	DN315	420mm	400mm	50m
	3x Series	DN200	DN315	DN315	420mm	400mm	50m
	4x Series	DN200	DN315	DN315	420mm	400mm	50m
	5x Series			Calculation on demand			

WOLF CASCADES

Cascade (positive pressure) room air dependent MGK-2-390-630, 800-1000



The following bases were taken into account in all calculations for the design tables:

- Length between the individual devices: 1.0m
- length after the last device: 2,0m
- Resistors: 2 pieces 45° bends in the diameter of the collector pipe (optionally as lateral offset or as 90° deflection)
- combustion air supply: from the installation room
- Shaft back-ventilation: in co-current principle
- Geodetic height: 325 meters
- For pipe cross-sections not specified, a calculation or design according to EN 13384-2 is required.

MGK-2		V Nominal size Connection line to the device	S Nominal size Collector	A Nominal size Flue pipe vertical	rund minimum Shaft size	eckig minimum Shaft size	H reachable height from shaft entrance to shaft mouth
390	2x Series	DN250	DN315	DN315	420mm	400mm	50m
	3x Series	DN250	DN315	DN315	420mm	400mm	42m
	4x Series			Berechnung auf Anfrage			
470	2x Series	DN250	DN315	DN315	420mm	400mm	50m
	3x Series			Berechnung auf Anfrage			
550	2x Series	DN250	DN315	DN315	420mm	400mm	50m
	3x Series			Berechnung auf Anfrage			
630	2x Series	DN250	DN315	DN315	420mm	400mm	50m
	3x Series			Berechnung auf Anfrage			
800	2x Series	DN250	DN315	DN315	420mm	400mm	36m
	3x Series			Berechnung auf Anfrage			
1000	2x Series			Berechnung auf Anfrage			

WOLF SOLAR

HIGH-PERFORMANCE SOLAR COLLECTOR TOPSON F3-1 / CFK-1 / TOPSON F3-1Q	2
CONNECTION KIT TOPSON F3-1 / CFK-1 / TOPSON F3-1Q	3
ROOFTOP INSTALLATION KIT	4
ROOFTOP INSTALLATION KIT FOR CORRUGATED/SHEET METAL ROOF	9
ROOFTOP INSTALLATION ALUPLUS	10
TRIANGLE STANDS FOR HORIZONTAL SURFACES OR WALL MOUNTING	13
ROOFTOP INSTALLATION KIT, SINGLE-ROW	14
ROOF INTEGRATION KIT, MULTI-ROW, FOR INTERLOCKING TILES	15
HIGH-PERFORMANCE VACUUM TUBE COLLECTOR CRK-12	16
ROOFTOP INSTALLATION KIT CRK-12	17
CONTROL SYSTEMS FOR SOLAR HEATING	19
ACCESSORIES	21
TECHNICAL DATA	25

WOLF

HIGH-PERFORMANCE SOLAR COLLECTOR TOPSON F3-1 / CFK-1 / TOPSON F3-1Q

Art. no. € DG

**TOPSON F3-1 HIGH PERFORMANCE SOLAR COLLECTOR, PORTRAIT FORMAT**

Absorber with highly selective coating, pan collector made from highly weather-resistant aluminium, 3.2 mm safety glass, hailstone impact tested with improved transparency. Mineral wool insulation 6 mm. Self-supporting casing. Collector weather and temperature-resistant even during stagnation. Gross collector area 2.3 m²

Certified according to Solar Keymark

Glazing bead silver	7700965	605.00	H20
Glazing bead dark grey	7701155	635.00	H20

Note: 2 expansion joints are required for each connection between the collectors to compensate for thermal expansion.

For 2 "TopSon F3-1" collectors = 2 expansion joints

For 4 "TopSon F3-1" collectors = 6 expansion joints

**TOPSON F3-1Q HIGH PERFORMANCE SOLAR COLLECTOR, LANDSCAPE FORMAT**

Absorber with highly selective coating, pan collector made from highly weather-resistant aluminium, 3.2 mm safety glass, hailstone impact tested with improved transparency. Mineral wool insulation 6 mm. Self-supporting casing. Collector weather and temperature-resistant even during stagnation. Gross collector area 2.3 m²

Certified according to Solar Keymark

Glazing bead silver	7701468	605.00	H20
Glazing bead dark grey	7701473	635.00	H20

Note: 2 expansion joints are required for each connection between the collectors to compensate for thermal expansion.

For 2 "TopSon F3-1Q" collectors = 2 expansion joints

For 4 "TopSon F3-1Q" collectors = 6 expansion joints

**CFK-1 HIGH PERFORMANCE SOLAR COLLECTOR**

Absorber with highly selective coating, pan collector made from highly weather-resistant aluminium 3 mm safety glass, hailstone impact tested. Mineral wool insulation 6 mm. Self-supporting casing. Collector weather and temperature-resistant even during stagnation. Gross collector area 2.3 m²

Certified according to Solar Keymark

Note: 2 expansion joints are required for each connection between the collectors to compensate for thermal expansion.

For 2 "CFK-1" collectors = 2 expansion joints

For 4 "CFK-1" collectors = 6 expansion joints

7700778 460.00 H20

CONNECTION KIT TOPSON F3-1 / CFK-1 / TOPSON F3-1Q

**COMPENSATOR FOR COLLECTOR FITTING**

Art. no.	€	DG
2000030	13.60	H21

Note: 2 expansion joints are required for each connection between the collectors.

For 2 collectors = 2 expansion joints

For 4 collectors = 6 expansion joints

**SEALING PLUG**

1 set = 2 pcs

2483744	6.80	H21
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**CONNECTION KIT FOR ONE COLLECTOR ARRAY**

For rooftop installation and roof integration

Consisting of:

2 special cast fittings 3/4", 2 sealing plugs

2482410	40.90	H21
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**FLEXIBLE CONNECTION KIT**

Matches connection kit „TopSon F3-1“ / CFK-1 for easy, flexible roof outlet

Consisting of:

2 flexible stainless steel hoses DN2, thermal insulation resistant to temperature, UV and weather. Length: approx. 1 mm, connection G3/4" female thread and G3/4" male thread incl. gaskets.

2482381	91.00	H21
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MOUNTING KEY SET FOR FLAT-PLATE COLLECTORS

For easier lock nut resistance to the collector screw fitting.

7701675	.01	H21
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WOLF

ROOFTOP INSTALLATION KIT

AluPlus Aufdach-Montage-Sets für Kollektoren Topson F3-1 / CFK-1 / F3-1Q

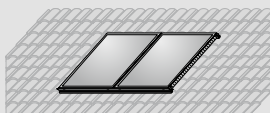
Hinweis:

Aufdach-Montage-Sets sind für Gebäudehöhen bis 25m geeignet. Bitte den Dachrandbereich bei der Montage beachten. Dieser wird aus den Gebäudemmaßen errechnet und beträgt in der Regel 1m bis 1,5m. Bei großen Sparrenabständen können Bauteile übrig bleiben die Sie zur Montage nicht mehr benötigen.

Die Einsatzgrenzen des Montage-Sets können auf den nächsten Seiten überprüft werden.

Eine individuelle Auslegung des Montagesystems ist auf www.wolf.eu/solar-conf möglich.

Art. no. € DG

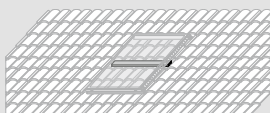


ALUPLUS ROOFTOP INSTALLATION KIT (PORTRAIT FORMAT) for two Topson F3-1 / CFK-1 collectors

Consisting of:
4 mounting rails, 2 collector rails (length 2m) and 8 hooks
Application range: Rafter spacing of 68-80 cm

Interlocking tile roofing	7701670	485.00	H21
Slate roofing	7701598	452.00	H21
Beaver Covering	7701592	790.00	H21

Note: Wood screws only for plain-tailed hooks Set included!

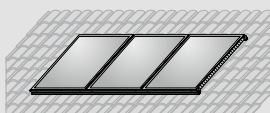


ALUPLUS SNOW LOAD EXTENSION (PORTRAIT FORMAT) for two TopSon F3-1 / CFK-1 collectors

Increases the application limits of the mounting system.
AluPlus snow load rails (length 2m) and 4 hooks.
Range of application: Rafter spacing of 68-80cm.

Interlocking tile roofing	7701672	185.00	H21
Slate roofing	7701602	132.00	H21
Beaver Covering	7701596	301.00	H21

Note: Wood screws only for plain-tailed hooks Set included!

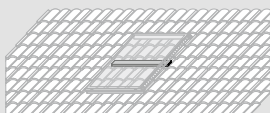


ALUPLUS ROOFTOP INSTALLATION KIT (PORTRAIT FORMAT) for three TopSon F3-1 / CFK-1 collectors

Consisting of:
5 mounting rails, 2 collector rails (length 3m) and 10 hooks
Application range: Rafter spacing of 68-80 cm

Interlocking tile roofing	7701671	613.00	H21
Slate roofing	7701599	584.00	H21
Slate roofing	7701593	1008.00	H21

Note: Wood screws only for plain-tailed hooks Set included!

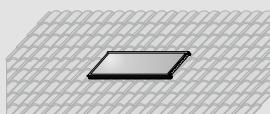


ALUPLUS SNOW LOAD EXTENSION (PORTRAIT FORMAT) for three TopSon F3-1 / CFK-1 collectors

increases the application limits of the mounting system.
AluPlus snow load rails (length 3m) and 5 hooks.
Range of application: Rafter spacing of 68-80cm.

Interlocking tile roofing	7701673	233.80	H21
Slate roofing	7701603	177.40	H21
Beaver Covering	7701597	405.00	H21

Note: Wood screws only for plain-tailed hooks Set included!



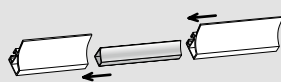
ALUPLUS SNOW LOAD EXTENSION (PORTRAIT FORMAT) For TopSon F3-1 / CFK-1 collectors

Increases the application limits of the mounting system. Application range: Rafter spacing of 68-80cm.

Interlocking tile roofing	7701674	317.00	H21
Slate roofing	7701601	313.00	H21
Beaver Covering	7701600	568.00	H21

Note: Wood screws only for plain-tailed hooks Set included!

WOLF ROOFTOP INSTALLATION KIT



ALUPLUS COLLECTOR RAIL CONNECTOR KIT

Consisting of:

2 rail connectors and 6 drilling screws

Kits can be combined with the collector rail connectors.

In this case, you may find there are components left over which are not needed for installation.

Art. no.	€	DG
2484922	14.80	H21



ALUPLUS WOOD SCREW SET

For fastening the roof hooks to the rafter

Set of 50 pieces

811 x 287 mm

811 x 608mm (2 pieces)

811 x 608mm (4 pieces)

2484997	65.00	H21
2485016	89.00	H21
2485017	16.00	H21



ALUPLUS SHIM KIT

Aluminium plate 40 x 50mm to compensate for roof unevenness

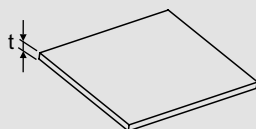
consisting of:

10 pieces with t=2mm

10 pieces with t=5mm

10 pieces hammer head screws M8x40

2484974	30.80	H21
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ALUPLUS RAFTER SHIM KIT

wooden disc 80 x 80mm for height compensation for batten heights > 30mm or brick types with high rebate

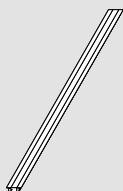
consisting of:

10 pieces with t=5mm

10 pieces with t=10mm

10 pieces with t=15mm

2484996	21.60	H21
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COLLECTOR INTERMEDIATE PLATE

For two „TopSon F3-1“ / CFK-1 collectors

For covering the space between two collectors for rooftop installation in portrait format.

712 x 712 x 367mm

712 x 712 x 367mm

2482459	55.00	H21
2444452	55.00	H21

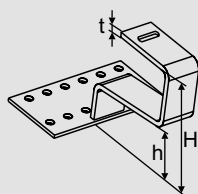
ROOFTOP INSTALLATION KIT FOR CORRUGATED/SHEET METAL ROOF

		Art. no.	€	DG
	ALUPLUS ROOFTOP INSTALLATION KIT (PORTRAIT) For one „TopSon F3-1“ / CFK-1 collector For mounting the collectors on the corrugated/sheet metal roof.	2484141	199.00	H21
	Consisting of: 2 AluPlus mounting rails (length 1 m) and 4 double-ended screws			
	ALUPLUS ROOFTOP INSTALLATION KIT (PORTRAIT) For two „TopSon F3-1“ / CFK-1 collectors For mounting the collectors on the corrugated/sheet metal roof.	2484142	322.00	H21
	Consisting of: 2 AluPlus mounting rails (length 2 m) and 6 double-ended screws			
	ALUPLUS ROOFTOP INSTALLATION KIT (PORTRAIT) For three „TopSon F3-1“ / CFK-1 collectors For mounting the collectors on the corrugated/sheet metal roof.	2484143	494.00	H21
	Consisting of: 2 AluPlus mounting rails (length 3 m) and 8 double-ended screws			
	ALUPLUS SNOW LOAD EXTENSION (PORTRAIT) For „TopSon F3-1“ / CFK-1 collectors Required for a surface load of 2.4 kN/m ² or more; for use up to a maximum of 4 kN/m ² .			
	612 x 612mm [2 pieces]	2484153	125.00	H21
	612 x 612mm [4 pieces]	2484154	208.00	H21
	611 x 955 x 712mm	2484155	261.00	H21
	ALUPLUS ROOFTOP INSTALLATION KIT (LANDSCAPE FORMAT) For one „TopSon F3-1Q“ collector For mounting the collectors on the corrugated/sheet metal roof.	2484144	230.00	H21
	Consisting of: 2 AluPlus mounting rails (length 2 m) and 4 double-ended screws			
	ALUPLUS ROOFTOP INSTALLATION KIT (LANDSCAPE FORMAT) For two „TopSon F3-1Q“ collectors For mounting the collectors on the corrugated/sheet metal roof.	2484145	429.00	H21
	Consisting of: 4 AluPlus mounting rails (length 2 m), 6 double-ended screws and 2 Alu-Plus mounting rail connectors			
	ALUPLUS ROOFTOP INSTALLATION KIT (LANDSCAPE FORMAT) For three „TopSon F3-1Q“ collectors For mounting the collectors on the corrugated/sheet metal roof.	2484146	625.00	H21
	Consisting of: 6 AluPlus mounting rails (length 2 m), 8 double-ended screws and 4 Alu-Plus mounting rail connectors			
	ALUPLUS MOUNTING RAIL CONNECTOR KIT „TopSon F3-1“ / CFK-1 / „TopSon F3-1Q“ For connecting two AluPlus rooftop installation kits.	2483481	38.70	H21
	Consisting of: 2 AluPlus mounting rail connectors			

WOLF

ROOFTOP INSTALLATION ALUPLUS

Art. no. € DG



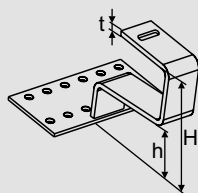
ALUPLUS HOOK KIT FOR INTERLOCKING TILES [6 MM]

Consisting of:

Hooks [t=6 mm] for interlocking tile roof, hammerhead screws with nuts

t = 6mm
h = 45mm
H = 130mm

712 x 915 x 411mm	2484963	19.40	H21
712 x 915 x 411mm	2484964	73.00	H21
795 x 303 mm [1 piece], 811 x 608 mm [3 pieces]	2484965	104.00	H21
795 x 303 mm [2 pieces], 811 x 608 mm [2 pieces]	2484966	168.00	H21



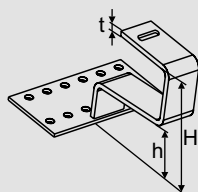
ALUPLUS HOOK KIT FOR INTERLOCKING TILES [8 MM]

Consisting of:

Hooks [t=8 mm] for interlocking tile roof, hammerhead screws with nuts

t = 8mm
h = 45mm
H = 130mm

795 x 303mm [4 pieces]	2484967	22.80	H21
795 x 333mm	2484968	123.00	H21
795 x 333mm	2484969	148.00	H21
795 x 333mm	2485500	173.00	H21
795 x 333mm	2484970	199.00	H21



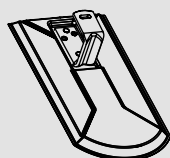
ALUPLUS INTERLOCKING TILE HOOK SET FOR LOW BATTENS

consisting of:

Hook [t=8mm] for interlocking roofing tiles, hammer head screws with nuts

t = 8mm
h = 35mm
H = 130mm

842 x 406mm	2485513	62.00	H21
842 x 406mm	2485514	123.00	H21

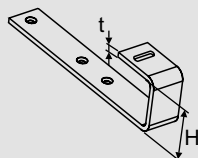


ALUPLUS HOOK KIT FOR PLAIN TILES

Consisting of:

Powder-coated sheet metal replacement tile [RAL 21, brick red], for plain tile roof 180x380, reinforcing rails, woodscrews and hammerhead screws with nuts

795 x 333mm	2484999	78.00	H21
795 x 333mm	2485000	239.00	H21
799 x 307mm [1 piece], 815 x 612mm [3 pieces]	2485001	355.00	H21



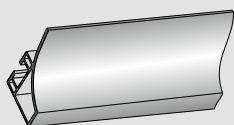
ALUPLUS HOOK KIT FOR SLATE

Consisting of:

Hooks for slate roof, hammerhead screws with nuts

t = 6 mm
H = 70mm

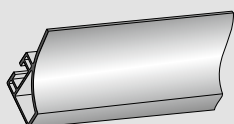
799 x 307mm [2 pieces], 815 x 612mm [2 pieces]	2485003	19.40	H21
799 x 307 mm [4 pieces]	2485004	70.00	H21
6-pcs set	2485005	100.00	H21



ALUPLUS COLLECTOR RAIL KIT (INSTALLATION: PORTRAIT FORMAT)
For TopSon F3-1/CFK-1

Consisting of:
2 collector rails, threaded pins, nuts and bolts

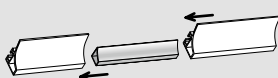
for 1 collector	2484950	60.00	H21
for 2 collector	2484951	110.00	H21
for 2 collector	2484952	165.00	H21



ALUPLUS COLLECTOR RAIL KIT (INSTALLATION: LANDSCAPE FORMAT)
For TopSon F3-1Q

Consisting of:
2 collector rails, threaded pins, nuts and bolts

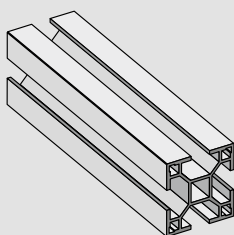
For 1 collector	2484953	103.00	H21
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ALUPLUS COLLECTOR RAIL CONNECTOR KIT

Consisting of:
2 rail connectors and 6 drilling screws
Kits can be combined with the collector rail connectors.
In this case, you may find there are components left over which are not needed for installation.

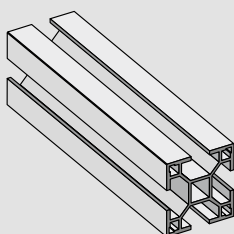
2484922	14.80	H21
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ALUPLUS MOUNTING RAILS (INSTALLATION: PORTRAIT FORMAT)
For TopSon F3-1/CFK-1

Consisting of:
Mounting rail(s), cross connectors and black end caps

1-pcs set	2484954	87.00	H21
2-pcs set	2484955	107.00	H21
3-pcs set	2484956	155.00	H21
4-pcs set	2485501	202.00	H21
5-pcs set	2484957	249.00	H21



ALUPLUS MOUNTING RAIL (INSTALLATION: LANDSCAPE FORMAT)
For TopSon F3-1Q

Consisting of:
Mounting rail(s), cross connectors and black end caps

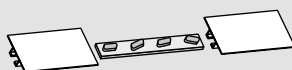
1-pcs set	2485012	42.00	H21
3-pcs set	2484958	110.00	H21
5-pcs set	2484959	180.00	H21



ALUPLUS SNOW RAIL EXTENSION KIT (INSTALLATION IN PORTRAIT FORMAT)
For TopSon F3-1/CFK-1

For rooftop installation in areas with high snow loads, consisting of snow rail and cross connectors

for 1 collector	2484960	30.80	H21
for 2 collector	2484961	62.00	H21
for 3 collector	2484962	88.00	H21



ALUPLUS SNOW RAIL CONNECTOR KIT (INSTALLATION IN PORTRAIT FORMAT)
For TopSon F3-1/CFK-1

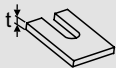
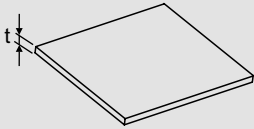

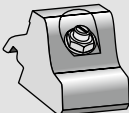
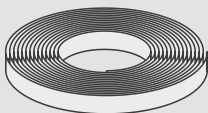

For connecting two snow rails

Consisting of:
Rail joiners and 4 hammerhead screws with nuts

2484923	8.00	H21
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WOLF

ROOFTOP INSTALLATION ALUPLUS

		Art. no.	€	DG
	ALUPLUS SHIM KIT Aluminium plate 40 x 50mm to compensate for roof unevenness	2484974	30.80	H21
	consisting of: 10 pieces with t=2mm 10 pieces with t=5mm 10 pieces hammer head screws M8x40			
	ALUPLUS RAFTER SHIM KIT wooden disc 80 x 80mm for height compensation for batten heights > 30mm or brick types with high rebate	2484996	21.60	H21
	consisting of: 10 pieces with t=5mm 10 pieces with t=10mm 10 pieces with t=15mm			
	ALUPLUS WOOD SCREW SET For fastening the roof hooks to the rafter Set of 50 pieces			
	811 x 287 mm	2484997	65.00	H21
	811 x 608mm (2 pieces)	2485016	89.00	H21
	811 x 608mm (4 pieces)	2485017	16.00	H21
	ALUPLUS CROSS CONNECTOR KIT For connecting the mounting rails to connector rails and snow rails	2485021	37.50	H21
	Consisting of: 5 cross connectors with hammerhead screw, washer and nut			
	COMPRIBAND For additional sealing of roof tiles 8 m roll, black, 15 x 4-9 mm	3738244	26.10	H21
	ALUPLUS M8 HAMMERHEAD SCREW KIT - 25 PCS Consisting of: hammerhead screw M8x2 and nut with locking teeth			
	M8x20	2484998	13.60	H21
	M10x30	2485020	14.30	H21

TRIANGLE STANDS FOR HORIZONTAL SURFACES OR WALL MOUNTING

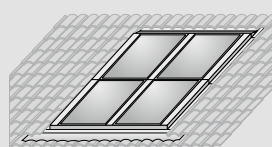
	Art. no.	€	DG
	ALUFLEX-U SUPPORT STANDS (PORTRAIT FORMAT) For one „TopSon F3-1“ / CFK-1 collector For mounting the collectors on horizontal surfaces (flexibly adjustable 20°, 30°, 45°) or wall mounting.	2484082	365.00 H21
Consisting of: 2 AluPlus mounting rails (length 1 m) and 2 AluFlex-U support stands			
	ALUFLEX-U SUPPORT STANDS (PORTRAIT FORMAT) For one „TopSon F3-1“ / CFK-1 collector For mounting the collectors on horizontal surfaces (flexibly adjustable 20°, 30°, 45°) or wall mounting.	2484083	580.00 H21
Consisting of: 2 AluPlus mounting rails (length 2 m) and 2 AluFlex-U support stands			
	ALUFLEX-U SUPPORT STANDS (PORTRAIT FORMAT) For three „TopSon F3-1“ / CFK-1 collectors For mounting the collectors on horizontal surfaces (flexibly adjustable 20°, 30°, 45°) or wall mounting.	2484084	855.00 H21
Consisting of: 2 AluPlus mounting rails (length 3 m) and 4 AluFlex-U support stands			
	ALUPLUS SNOW LOAD EXTENSION (PORTRAIT FORMAT) For „TopSon F3-1“ / CFK-1 collectors Required for a surface load of 2.4 kN/m ² or more; for use up to a maximum of 4 kN/m ² .		
	1 collector: AluPlus snow rail (length 1 m)	2484277	27.20 H21
	2 collectors: AluPlus snow rail (length 2 m)	2484278	36.40 H21
	3 collectors consisting of: AluPlus snow rail (length 3 m)	2484279	66.00 H21
	ALUFLEX-U SUPPORT STANDS (LANDSCAPE FORMAT) For one „TopSon F3-1Q“ collector For mounting the collectors on horizontal surfaces (flexibly adjustable 20°, 30°, 45°) or wall mounting.	2484085	307.00 H21
Consisting of: 2 AluPlus mounting rails (length 2 m) and 2 AluFlex-U support stands			
	ALUFLEX-U SUPPORT STANDS (LANDSCAPE FORMAT) For two „TopSon F3-1Q“ collectors For mounting the collectors on horizontal surfaces (flexibly adjustable 20°, 30°, 45°) or wall mounting.	2484086	555.00 H21
Consisting of: 4 AluPlus mounting rails (length 2 m) and 3 AluFlex-U support stands and one AluPlus mounting rail connector set			
	ALUFLEX-U SUPPORT STANDS (LANDSCAPE FORMAT) For three „TopSon F3-1Q“ collectors For mounting the collectors on horizontal surfaces (flexibly adjustable 20°, 30°, 45°) or wall mounting.	2484087	820.00 H21
Consisting of: 6 AluPlus mounting rails (length 2 m), 4 AluFlex-U support stands and 2 AluPlus mounting rail connector sets			
	ALUPLUS MOUNTING RAIL CONNECTOR KIT „TopSon F3-1“ / CFK-1 / „TopSon F3-1Q“ For connecting two AluPlus rooftop installation kits.	2483481	38.70 H21
Consisting of: 2 AluPlus mounting rail connectors			

WOLF

ROOFTOP INSTALLATION KIT, SINGLE-ROW

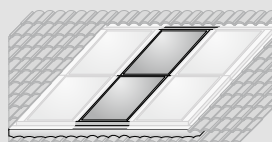
		Art. no.	€	DG
	„INTERLOCKING TILE“ ROOF INTEGRATION KIT for one TopSon F3-1 and CFK-1 Collector Roof integration frame for architecturally attractive roof integration of collectors into the interlocking tile roof, with coated aluminium sheet in dark grey. For roof pitches of 20° to 60°.	2485044	535.00	H21
	„INTERLOCKING TILE“ ROOF INTEGRATION KIT for two TopSon F3-1 and CFK-1 Collectors Roof integration frame for architecturally attractive roof integration of collectors into the interlocking tile roof, with coated aluminium sheet in dark grey. For roof pitches of 20° to 60°.	2485043	765.00	H21
	„INTERLOCKING TILE“ ROOF INTEGRATION KIT for extension by one TopSon F3-1 and CFK-1 Collector Roof integration frame for architecturally attractive roof integration of collectors into the interlocking tile roofing, with coated aluminium sheet in dark grey. For roof pitches of 20° to 60°.	2485045	429.00	H21
	„SLATE/PLAIN TILE“ ROOF INTEGRATION KIT for one TopSon F3-1 und CFK-1 Collector Roof integration frame for architecturally attractive roof integration of collectors into the slate/plain tile roof, with coated aluminium sheet in dark grey. For roof pitches of 15° to 60°.	2485123	640.00	H21
	„SLATE/PLAIN TILE“ ROOF INTEGRATION KIT for two TopSon F3-1 and CFK-1 Collectors Roof integration frame for architecturally attractive roof integration of collectors into the slate/plain tile roof, with coated aluminium sheet in dark grey. For roof pitches of 15° to 60°.	2485124	940.00	H21
	„SLATE/PLAIN TILE“ ROOF INTEGRATION KIT for extension by one TopSon F3-1 and CFK-1 Collector Roof integration frame for architecturally attractive roof integration of collectors into the slate/plain tile roof, with coated aluminium sheet in dark grey. For roof pitches of 15° to 60°.	2485125	461.00	H21

ROOF INTEGRATION KIT, MULTI-ROW, FOR INTERLOCKING TILES

**ROOF INTEGRATION KIT, DOUBLE ROW "INTERLOCKING TILES"**
for four TopSon F3-1 Collectors with dark grey glazing bead

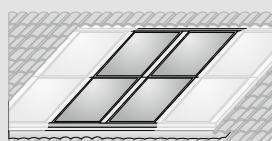
Standard installation kit for architecturally attractive roof integration of the collectors into the interlocking tile roofing, all-round roofing frame of dark grey aluminium sheet, for roof pitches from 20° to 60°.

Art. no.	€	DG
2484020	1145.00	H21

**SINGLE EXTENSION KIT FOR ROOF INTEGRATION KIT, DOUBLE ROW**
Interlocking tile roofing

For two "TopSon F3-1" collectors with dark grey glazing bead (2 x vertical, 1 x horizontal)

2484023	575.00	H21
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**DOUBLE EXTENSION KIT FOR ROOF INTEGRATION KIT, DOUBLE ROW**
Interlocking tile roofing

For four "TopSon F3-1" collectors with dark grey glazing bead (2 x vertical, 2 x horizontal)

2484024	855.00	H21
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**FLEXIBLE CONNECTION KIT FOR ROOF INTEGRATION, DOUBLE ROW**

Consisting of:
Stainless steel hoses DN16 and DN18, thermal insulation resistant to temperature, UV and weather, suitable connecting fittings for joining the collectors with corrugated pipes and the associated sealing plugs.

2484101	225.00	H21
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WOLF

HIGH-PERFORMANCE VACUUM TUBE COLLECTOR CRK-12

**CRK-12 HIGH PERFORMANCE VACUUM TUBE COLLECTOR**

High performance vacuum tube collector with direct flow and protected, highly selective layer in high vacuum with permanently high efficiency and no degradation. Optimum utilisation of sunlight through efficient CPC mirror.

Certified according to Solar Keymark

Can be installed at angles between 15° and 75°,
12 tubes incl. header, direct flow.

Art. no. € DG

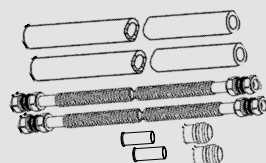
2484854 1375.00 H20

**CRK-12 CONNECTION KIT**

Consisting of:

2 angle fittings 90°, 2 reducer ring sets 15 mm to 12 mm, 2 support sleeves 15 mm and 2 support sleeves 12 mm.

2483565 60.00 H21

**FLEXIBLE CRK-12 CONNECTION KIT**

Consisting of:

2 thermally insulated corrugated hoses (length 1 m), 4 straight threaded connections, 2 reducer ring sets 15 mm to 12 mm, 2 support sleeves 15 mm and 2 support sleeves 12 mm.

2483566 237.00 H21

**CRK-12 SHUT-OFF VALVE**

for shutting off parallel collector circuits to ensure proper flushing and venting

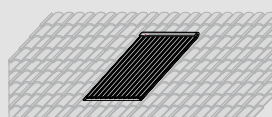
consisting of:

Shut-off valve (temperature resistant up to 400°C) and 2 cutting rings 15mm with union nuts.

2483584 293.00 H21

WOLF

ROOFTOP INSTALLATION KIT CRK-12



STANDARD ROOFTOP INSTALLATION KIT For one CRK-12 collector on interlocking tile roofing

Art. no.	€	DG
7701610	480.00	H21

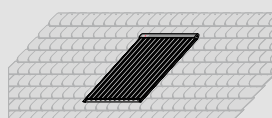
Consisting of:
Collector rail set [standard], 4 roof hooks for interlocking tiles and installation material

EXTENDED ROOFTOP INSTALLATION KIT For one additional CRK-12 collector on interlocking tile roofing

7701611	407.00	H21
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Consisting of:
Collector rail set [extension], 2 roof hooks for interlocking tiles and installation material

Note: Up to 6 collectors can be installed in a row.



STANDARD ROOFTOP INSTALLATION KIT For one CRK-12 collector on slate roofing

7701612	578.00	H21
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Consisting of:
Collector rail set [standard], 4 roof hooks for slate and installation material

EXTENDED ROOFTOP INSTALLATION KIT For one additional CRK-12 collector on slate roofing

7701613	456.00	H21
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Consisting of:
Collector rail set [extension], 2 roof hooks for slate and installation material

Note: Up to 6 collectors can be installed in a row.



STANDARD ROOFTOP INSTALLATION KIT For one CRK-12 collector on corrugated/sheet metal roofing

7701614	440.00	H21
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Consisting of:
Collector rail set [standard], 4 double-ended screws and installation material

EXTENDED ROOFTOP INSTALLATION KIT For one additional CRK-12 collector on corrugated/sheet metal roofing

7701615	387.00	H21
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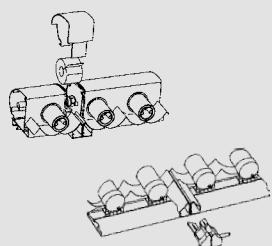
Consisting of:
Collector rail set [extension], 2 double-ended screws and installation material

Note: Up to 6 collectors can be installed in a row.



MOUNTING SCAFFOLD FOR A COLLECTOR CRK-12 for mounting the collectors on horizontal surfaces (flexibly adjustable 30°, 45° or 55°) or wall mounting (flexibly adjustable 45° or 60°) consisting of: 2x folding scaffold (aluminium) 4 x dowel screws (stainless steel) for concrete slabs

2486212	309.00	H21
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CRK-12 CONNECTION KIT For creating a visual connection between two CRK-12 collectors

2483567	82.00	H21
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Consisting of:
1 cover panel, 1 thermal insulation, 1 connecting plug and installation material.

	Art. no.	€	DG
	SM1-2 SOLAR MODULE	2745867	286.00 H41
	Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays		
	<ul style="list-style-type: none"> • Simple configuration of the controller by selection of pre-defined plant variants • In combination with Wolf heaters, higher energy savings due to intelligent Storage tank recharging, i.e. blocking of storage tank recharging with a sufficiently high solar yield • Heat quantity measurement with external heat quantity meter for all configurations • Function control for volume flow and gravity brake • Selection of the storage mode (priority, secondary and parallel operation) • Display of setpoints and actual values in the adjustment module BM-2 eBus interface with automatic energy management • Rast 5 Connection technology • Immersion sensor PT1000 For collector • Immersion sensor 5K NTC for storage tank • Storage immersion sleeve 1/2" with PG strain relief • Collector immersion sleeve 3/4" with PG strain relief and seal 		
	SM1-2 SOLAR MODULE CONTROLLER INSERT	2745936	331.00 H41
	for installation in solar pump group as above, but additionally already wired		
	<ul style="list-style-type: none"> • Mains cable with safety plug (length 2m) • Connection cable for collector temperature sensor (length 2m) • 2 thermowells • Immersion sensor PT1000 for collector • 1 immersion sensor 5K NTC for memory (wired) 		
	SM2-2 SOLAR MODULE	2745869	468.00 H41
	Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays		
	<ul style="list-style-type: none"> • Simple configuration of the controller by selecting predefined system variants • In conjunction with Wolf heaters higher energy savings through intelligent storage tank recharging, i.e. blocking of storage tank recharging if solar yield is sufficiently high • Heat quantity measurement with external heat quantity meter for all configurations • Function control for volume flow and gravity brake • Selection of the storage mode (priority, subordinate and parallel operation) • Display of set and actual values in the BM-2 operating module • eBus interface with automatic energy management • Rast 5 Connection technology • Immersion sensor PT1000 For collector • Immersion sensor 5K NTC for storage tank • Storage immersion sleeve 1/2" with PG strain relief • Collector immersion sleeve 3/4" with PG strain relief and seal 		
	BM-2 SOLAR PROGRAMMING UNIT	2745926	289.00 H41
	Can be used for SM1-2 and SM2-2		
	<ul style="list-style-type: none"> • 3.5" colour display • Easy menu navigation through plain text display • Graphic display of system diagrams, temperature curves and solar yields • Operation using rotary selector with pushbutton function • eBus interface 		

WOLF

CONTROL SYSTEMS FOR SOLAR HEATING

	Art. no.	€	DG
	COLLECTOR TEMPERATURE SENSOR [PT1000] Loose, for all solar control units	2741078	46.00 H41
	TEMPERATURE SENSOR [NTC 5K, Ø 6 MM] LOOSE Can be used as a cylinder, boiler, central unit and supply air temperature sensor	8852829	62.00 H41
	CYLINDER SENSOR WELL ½" With cable gland	2425077	20.30 H41
	COLLECTOR SENSOR WELL ¾" With cable gland and gasket	2425078	39.30 H41
	RETURN TEMPERATURE RAISING FACILITY KIT For MM/MM-2 mixer module, KM/KM-2 cascade module and SM2-2 solar module for solar central heating backup Consisting of: 3-way diverter valve Incl. 1 return contact sensor [NTC 5k] 1 temperature sensor [NTC 5k] 1 sensor well for temperature sensor	2744352	228.00 H41
	SRTA RETURN TEMPERATURE RAISING KIT for solar heating support consisting of: 3-way switching valve, solar module SM1-2 Contact sensor 5K NTC for return flow boost Immersion sensor PT1000 for return flow increase Storage immersion sleeve 1/2" with PG strain relief	2745925	505.00 H41
	HEAT METERING KIT For measuring the yield of SM1-2 and SM2-2 solar modules Consisting of: Flow meter, return contact sensor [NTC 5k], 2 union connections with male thread ½"	QNenn/max 1,5/3 m³/h 2744392 191.00 H41 Qnom/max. 2.5/5 m³/h 2744610 234.00 H41	



RETURN CONTACT SENSOR (NTC 5K)
For SM1-2 and SM2-2 solar modules
For measuring the yield using Δt and the flow rate set in the control unit.

Art. no.	€	DG
2792022	54.00	H41

WOLF ACCESSORIES



SOLAR PUMP ASSEMBLY 10

Consisting of:

High efficiency pump (EEI < 0.20), **variably adjustable**
fully wired with cable
Ball valves with thermometer in flow and return
Gravity brakes in flow and return
6 bar safety valve, 0-10 bar pressure gauge
Drain and fill valve, air separator and manual air vent valve
Wall retainer and installation material

Dimensions HxWxD: 375 x 400 (250) x 190mm
Well designed EPP thermal insulation shells, resistant up to 130°C

Solar pump assembly 10

Suitable for up to max. 10 solar collector at 50 l flow rate per hour and collector (subject to system sizing).
Flow rate control 2 to 15 l/min.
Connection: 18 mm locking ring fitting

Note: SM1-2 and SM2-2 solar modules can be integrated into pump assembly

Art. no.	€	DG
2484991	675.00	H21



SOLAR CONNECTION KIT

for solar pump group 10
for direct mounting on the
Hot water solar cylinder SEM-2

7701167	17.50	H46
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SOLAR PUMP ASSEMBLY 20

consisting of:

High-efficiency pump (EEI < 0.20), **infinitely variable**
wired with cable ready to plug in
Ball valves with thermometer in flow and return
Gravity brakes in forward and return flow
Safety valve 6 bar, pressure gauge 0-10 bar
Filling and draining tap, air separator and manual air vent,
Wall bracket and mounting material

Dimensions HxWxD: 375 x 400 (250) x 190mm
Design heat insulation shells made of EPP, resistant up to 130° C

Solar pump group 20

Suitable up to max. 20 solar collectors at 50 ltr. flow per hour and collector (depending on the system dimensioning).
Flow rate regulation 7 to 30 l/min.
Connection: 22mm compression fitting

Note: SM1-2 and SM2-2 solar modules can be integrated into pump assembly

2484992	695.00	H21
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SOLARPUMPENGROPPE ERWEITERUNG

für den Anschluss eines zweiten Wärmeabnehmers

bestehend aus:

Hocheffizienzpumpe (EEI < 0,20), **stufenlos einstellbar** mit Kabel steckerfertig verdrahtet Kugelhahn mit Thermometer, Schwerkraftbremse
Wandhalter und Montagematerial
Abmessungen HxBxT: 375x182x210mm
Wärmedämmung aus EPP, beständig bis 130° C

Solarpumpengruppe 10E

Geeignet bis max. 10 Sonnenkollektoren bei 50 Ltr. Durchfluss pro Std. und Kollektor [abhängig von der Anlagendimensionierung].
Durchfluss-Regulierung 2 bis 15 l/min.
Anschluss: 18mm Klemmringverschraubung

Solarpumpengruppe 20E

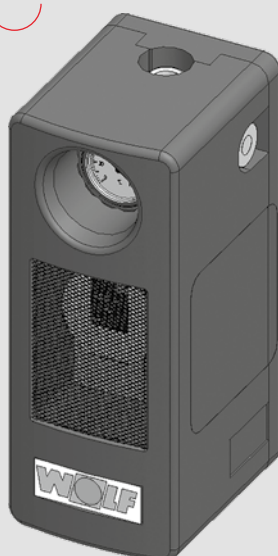
Geeignet bis max. 20 Sonnenkollektoren bei 50 Ltr. Durchfluss pro Std. und Kollektor [abhängig von der Anlagendimensionierung].
Durchfluss-Regulierung 7 bis 30 l/min.
Anschluss: 22mm Klemmringverschraubung

2484532	475,00	H21
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2484726	520,00	H21
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AVAILABLE UNTIL 03/2021

NEW AVAILABLE FROM 04/21



SOLAR PUMP GROUP EXTENSION

for the connection of a second heat consumer

consisting of:

High efficiency pump (EEI < 0.20), infinitely adjustable with cable wired

ready to plug in Ball valve with thermometer, gravity brake

Wall bracket and mounting material

Dimensions HxWxD: 375x182x210mm

Thermal insulation made of EPP, resistant up to 130° C

Solar pump group 10E

2486312

475.00 H21

Solar pump group 20E Suitable for up to max. 20 solar collectors at 50 ltr.

2486313

555.00 H21

flow per hour and collector (depending on the system dimensioning). Flow rate regulation 7 to 30 l/min. Connection: 22mm compression fitting



SOLAR PUMP ASSEMBLY EXTENSION

For connecting a second heat consumer

Consisting of:

High efficiency pump (EEI < .2), continuously adjustable, fully wired with

cable, ball valve with thermometer, gravity brake

wall retainer and installation material

Dimensions HxWxD: 375x182x21 mm

EPP thermal insulation, resistant up to 13 °C

Solar pump assembly 10E

2484532

475.00 H21

Suitable for up to 10 solar collectors with 50 l Throughput

per hour and collector (subject to system sizing).

Flow regulation 2 to 15 l/min.

Connection: 18 mm locking ring fitting

Solar pump assembly 20E

2484726

520.00 H21

Suitable for up to 20 solar collectors with 50 l Throughput

per hour and collector (subject to system sizing).

Flow regulation 7 to 30 l/min.

Connection: 22 mm locking ring fitting



BRINE EXPANSION VESSELS

With fixing materials for wall mounting up to 50 l; 2.5 bar pre-charge pressure

12 ltrs.

2444210

73.00 H21

18 ltrs.

2444211

91.00 H21

25 Ltr.

2444212

110.00 H21

35 Ltr.

2483075

139.00 H21

50 Ltr.

2444223

201.00 H21

80 Ltr.

2483608

332.00 H21

100 l

2482818

520.00 H21

150 Ltr.

2484096

855.00 H21

200 Ltr.

2484097

1000.00 H21



SOLAR PRE-COOLING VESSELS

To protect the solar expansion vessel from excessive temperatures.

18 Ltr.

2484098

120.00 H21

35 Ltr.

2484099

157.00 H21

50 Ltr.

2484100

208.00 H21

WOLF ACCESSORIES



CONNECTION KIT FOR EXPANSION VESSEL

For solar and brine up to 25 l

Consisting of:
Flexible hose (900mm long), cap valve, wall clip

Art. no.	€	DG
2483076	62.00	H21



CAP VALVE

3/4" for expansion vessels up to 50 l
1" for expansion vessels from 80 l

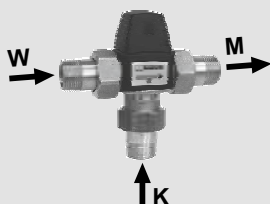
2400445	38.90	H40
2400439	120.00	H40



AIR VENT TRAP

0,15 l, thermally insulated
Connection Ø 22mm, copper

2444050	69.00	H21
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THERMOSTATIC WATER MIXER

With anti-scalding protection incl. threaded sleeves 3/4"

2744370	134.00	H21
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ZONE VALVE, 3-WAY DIVERTER VALVE, SOLAR

DN25 1", 230V

2483800	174.00	H21
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UNISTAR 2000A SOLAR FILL & FLUSH PUMP

Dry self-priming impeller pump with inlet filter of clear glass for filling solar thermal systems with heat transfer medium; intake, filling and flushing hose with 3/4" union nut, plastic container with lid, max. 30l/min, max. 5 bar, 230V, 50Hz, 3.2 A

2071408	900.00	H21
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FILLING PUMP

For filling solar thermal systems with heat transfer medium, suitable for wall mounting

2015200	179.00	H21
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CHECK VALVE 3/4"

2444099	47.00	H21
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SOLAR FLOW REGULATION FOR INSTALLATION IN THE RETURN

DN20 2 - 12 l/min (up to 8 collectors)	2483735	244.00	H21
DN20 8 - 30 l/min (from 6 to 20 collectors)	2483736	244.00	H21



ANRO HEAT TRANSFER MEDIUM

For „TopSon F3-1“ / „TopSon F3-10“ / CFK-1 high performance solar collectors

Brine liquid (fluid), physiologically harmless, biodegradable

For the solar circuit with high heat absorption capacity, frost protection and effective anti-corrosion materials.

Content 10 kg	3501521	66.00	H21
Content 20 kg	3501520	127.00	H21
Content 30 kg	3501522	173.00	H21



ANRO LS HEAT TRANSFER MEDIUM

For CRK-12 high performance vacuum tube collector

Brine liquid (fluid), physiologically harmless, biodegradable

For the solar circuit with high heat absorption capacity, frost protection and effective anti-corrosion materials.

Content 10 kg	3501556	68.00	H21
Content 20 kg	3501557	138.00	H21



MEASURING SPINDLE

For checking the frost protection of the solar circuit (for ANRO and ANRO LS)

2744202	36.40	H21
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WOLF

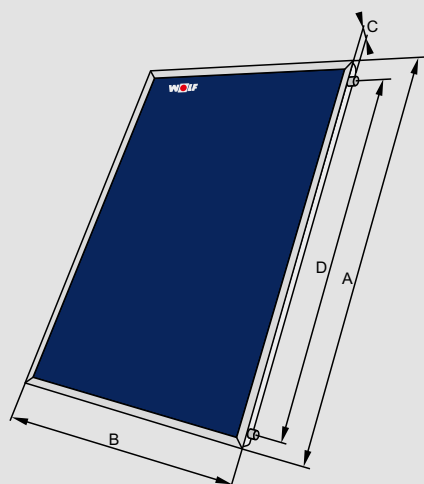
TECHNICAL DATA

HIGH PERFORMANCE SOLAR COLLECTOR

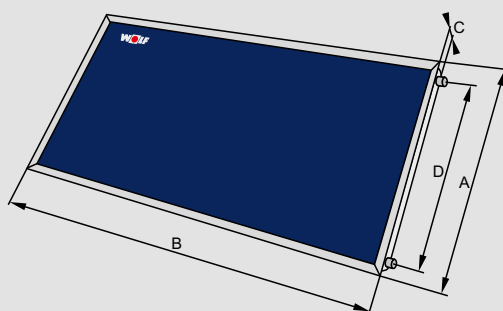
TopSon F3-1

TopSon F3-1Q

CFK-1



TopSon F3-1 / CFK-1



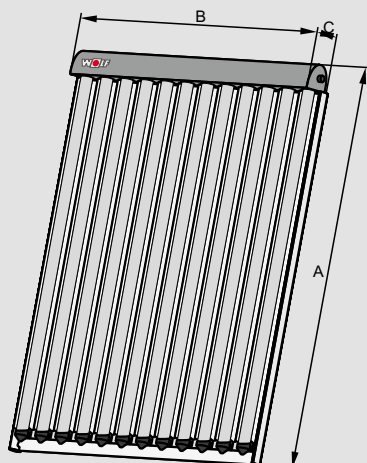
TopSon F3-1Q

TYPE		TopSon F3-1	TopSon F3-1Q	CFK-1
Length	A mm	2099	1099	2099
Width	B mm	1099	2099	1099
Depth	C mm	110	110	110
Flow/return	D mm	1900	900	1900
Connections (flat-sealing with union nut)	G	3/4"	3/4"	3/4"
Angle of installation		15° til 75°	15° til 75°	15° til 75°
Optical efficiency *	%	80,4	78,3	76,7
Heat loss coefficient a1 *	W/(m ² K)	3,235	3,43	3,669
Heat loss coefficient a2 *	W/(m ² K ²)	0,012	0,011	0,018
Maximum standby temperature	°C	194	189	196
Incidence angle correction factor K50° *	%	94	94	95
Heat capacity C *	kJ/(m ² K)	11,75	5,88	7,78
Max. operating overpressure	bar	10	10	10
Total area	m ²	2,3	2,3	2,3
Aperture area	m ²	1,99	2,11	2,12
Filling content	litres	1,7	1,9	1,1
Weight (empty)	kg	40	41	36
Recommended flow rate per collector	l/h	30 - 90	30 - 90	90
Heating fluid		ANRO (undiluted)	ANRO (undiluted)	ANRO (undiluted)
Collector annual yield Tm=50°C"	kWh/collector	1,09	1,07	996
Solar-Keymark register no.		011-7S260F	011-7S2439F	011-7S591F

* Values according to DIN EN ISO 9806 related to gross area

** Values according to DIN EN ISO 9806 related to absorber area

HIGH PERFORMANCE VACUUM TUBE COLLECTOR CRK-12



TYPE		CRK-12
Length	A mm	1640
Width	B mm	1390
Depth	C mm	100
Connections (clamping ring union MS)	mm	15
Angle of installation		15° til 90°
Absorption (energy take-up)	%	> 93,5
Emission	%	≤ 6
Optical efficiency *	%	64,2
Heat loss coefficient a1 *	W/(m ² K)	0,885
Heat loss coefficient a2 *	W/(m ² K ²)	0,001
Maximum standby temperature	°C	272
Incidence angle correction factor K50° *	%	89 / 99
Effective heat capacity *	C _{eff} in kJ/ (m ² K)	8,416
Max. operating overpressure	bar	10
Pressure drop (at 15 litres/h x m ² and 40°C)	mbar	5
Number of vacuum pipes per collector	Pieces	12
Glass tube diameter	mm	47 / 33 / 1,6
Total area	m ²	2,29
Aperture area	m ²	2
Filling content	litres	1,74
Weight	kg	32,7
Heating fluid		LS (undiluted)
Collector annual yield T _m =50°C"	kWh/coll- ector	1,303
Solar-Keymark register no.		011-7S321 R

* Values according to EN 12975 related to aperture area

WOLF

HEAT PUMPS

AIR/WATER		2
CHA-MONOBLOCK	Air / water heat pump	2
CHT-MONOBLOCK/200(-35)	Home automation center CHA monobloc + storage package + BM-2 + Living space ventilation	4
CHT-MONOBLOCK/300(-50(S))	Home automation center CHA monobloc + storage package + BM-2 + Living space ventilation	5
CHC-MONOBLOCK/200(-35)	Heat pump center CHA monobloc + storage package + BM-2	8
CHC-MONOBLOCK/300(-50(S))	Heat pump center CHA monobloc + storage package + BM-2	9
BWL-1S	Air / water heat pump in split design with indoor and outdoor unit	10
BWL-1SB	Air / water heat pump in split design with indoor and outdoor unit	11
CHC-SPLIT/200(-35)	Heat pump center Heat pump BWL-1S + storage package + BM-2	14
CHC-SPLIT/300(-50(S))	Heat pump center Heat pump BWL-1S + storage package + BM-2	15
CONTROL/CONTROL ACCESSORIES		16
BWL-1-I	Air-to-water heat pump Indoor installation	20
SOLE/WATER		21
BWS-1	Brine/water heat pump Indoor installation	21
WATER/WATER		22
BWW-1	Water-to-water heat pump Indoor installation	22
CONTROL/CONTROL ACCESSORIES		23
HOT WATER		26
SWP	Hot water - heat pump	26
ACCESSORIES HEAT PUMP		27
TECHNICAL DATA		42



CHA-MONOBLOCK WITH INDOOR AND OUTDOOR MODULE



RG | H30

TYP	CHA	07	10
Space heating low temperature	A+++ → D	A+++	A+++
Space heating medium temperature	A+++ → D	A++	A++
Seasonal space heating energy efficiency / heat rating at average climatic conditions according to EU 811/2013			
η_s [35°C]* / P_{rated}	%/kW	194 / 6	191 / 8
η_s [55°C]* / P_{rated}	%/kW	148 / 6	141 / 8
Heating capacity / COP acc. to EN14511			
A2/W35 nominal power	kW / -	5,2 / 4,5	5,8 / 4,7
A7/W35 nominal power	kW / -	4,5 / 5,5	4,1 / 5,7
A-7/W35 nominal power	kW / -	5,9 / 2,7	8,0 / 2,9
Cooling capacity / EER according to EN14511			
A35/W18 nominal power	kW / -	5,01 / 5,83	6,01 / 5,92
A35/W7 nominal power	kW / -	3,43 / 3,86	4,81 / 4,04
Width x height x depth outdoor unit		1286 x 979 x 562	1286 x 979 x 562
Width x height x depth indoor unit		440 x 790 x 340	440 x 790 x 340
Weight outdoor module / indoor module	kg	152/27	162/27

CHA	Art.-Nr.	9146862	9146863
	€	10330,00	12630,00

*im Verbundlabel ist ein zusätzlicher Beitrag des Temperaturreglers von bis zu 5% möglich

Modulating air-to-water heat pump in monoblock design incl. indoor module

Heat meter, 3-way switching valve, water pressure sensor and safety valve already integrated

Standard heating and cooling operation (inverter technology) and hot water preparation

energy-saving operation through spread control of the integrated, speed-controlled high-efficiency pump

Standard strong 9kW electric heating element

Slot for LAN / WLAN interface Link Home

Outdoor module:

Programmable input and output

Refrigerant of the future R290 (propane) for high flow temperatures of +70°C in pure heat pump operation

Contacts for EVU control signal or Smart Grid

Extremely quiet operation: sound pressure level below 34dB(A) already at a distance of 3m

Simple optimisation of the use of your own electricity: can be integrated into intelligent energy management via plug & play using EE-BUS

Robust EPP core (expanded polypropylene) for the toughest environmental conditions, optimum airflow and quiet operation

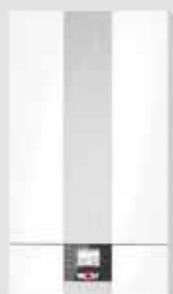
Indoor module:

TUNED AIR/WATER-HEAT PUMP CENTER
CHT-MONOBLOCK
 IN 10 VARIATIONS: SIMPLE, COMPLETE.



CHT-MONOBLOCK/200
CHT-MONOBLOCK/300

1. BASIC UNIT WITH OUTDOOR AND INDOOR UNIT IN 2 POWER LEVELS INCL. LIVING ROOM VENTILATION



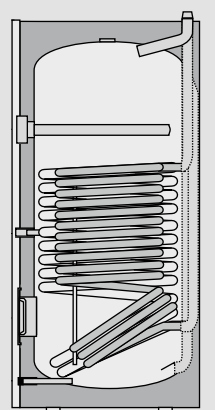
CHA-07



CHA-10



2. HOT WATER TANK IN 2 SIZES



180 LITER

OR

280 LITER

3. WITH OR WITHOUT BUFFER TANK



35 LITERS
 [180 L WW] ROW
 STORAGE TANK

50 LITERS
 [280 L WW] ROW
 OR SEPARATION
 TANK

4. ALWAYS INCLUDED



BM-2 OPERATING MODULE



EXHAUST VESSEL
 MAG 24 L



WOLF HEAT PUMPS

HEAT-
PUMPS



CHT-MONOBLOCK/200(-35) HOME AUTOMATION CENTER CHA MONOBLOC + STORAGE PACKAGE + BM-2 + LIVING SPACE VENTILATION



RG | H30

TYP	CHT	07/200	10/200
Space heating low temperature *	A+++ → G	A+++	A+++
Space heating medium temperature *	A+++ → G	A+++	A++
Energy efficiency class WW storage tank	A+ → F	B	B
Energy efficiency class buffer tank	A+ → F	A	A
Energy efficiency class CWL-T-300	A+ → F	A	A
Type buffer tank	CHT CHT-35	without In-line memory	without In-line memory
Storage tank capacity hot water storage tank	I	180	180
Storage tank capacity Buffer tank	I	34	34
Heat pump monobloc CHA		07/400V	10/400V
Dimensions			
Height	CHT mm	2137	2137
Height	CHT-35 mm	2081	2081
Width	CHT mm	1130	1130
Width	CHT-35 mm	1130	1130
Depth	CHT mm	685	685
Depth	CHT-35 mm	751	751
Weights			
Hot water/buffer tank	kg	145/21	145/21
CHA outdoor module/indoor module	kg	152/27	162/27
Living space ventilation	kg	50	50

CHT-Monoblock/200	Art.-Nr.	9147360	9147365
	€	17370,00	19670,00
CHT-Monoblock/200-35	Art.-Nr.	9147361	9147366
	€	18500,00	20800,00

*Composite label with controller

Carefree complete solution for single-family house incl. living space ventilation

Air-to-water heat pump CHA-Monoblock

Controlled living space ventilation (up to 300m³/h) with passive house certificate and DIBt approval

Standard summer bypass and 1kW preheating coil with automatic frost protection regulation

One BM-2 control module for the entire building services control center

Hot water tank [180l], expansion tank [24l], connection set

Optional integrated series buffer tank incl. overflow valve [35l]

Planning aid:

CHT building services control center /200: Variant with integrated living room ventilation and without buffer tank. Recommendation: Defrosting energy is provided elsewhere.

CHT central building services unit / 200-35: Variant with integrated living space ventilation and row buffer storage. Recommendation: For safe provision of defrost energy in systems with one heating circuit

Note: Be sure to install sludge and magnetite separator



CHT-MONOBLOCK/300(-50(S))

HOME AUTOMATION CENTER

CHA MONOBLOC + STORAGE PACKAGE + BM-2 +

LIVING SPACE VENTILATION



RG | H30

TYP	CHT	07/300	10/300
Space heating low temperature *	A+++ → G	A+++	A+++
Space heating medium temperature *	A+++ → G	A+++	A++
Energy efficiency class WW storage tank	A+ → F	C	C
Energy efficiency class buffer tank	A+ → F	A	A
Energy efficiency class CWL-T-300	A+ → F	A	
Type buffer tank	CHT CHT-50 CHT-50S	without In-line memory Separation memory	without In-line memory Separation memory
Storage tank capacity hot water storage tank	I	280	280
Storage tank capacity Buffer tank	I	49	49
Heat pump monobloc CHA		07/400V	10/400V
Dimensions			
Height	CHT[-50(S)] mm	1829	1829
Width	CHT[-50(S)] mm	1080	1080
Depth	CHT[-50(S)] mm	999	999
Weights			
Hot water/buffer tank	kg	140/22	140/22
CHA outdoor module/indoor module	kg	152/27	162/27
Living space ventilation	kg	50	50

CHT-Monoblock/300	Art.-Nr.	9147362	9147367
	€	17710,00	20010,00
CHT-Monoblock/300-50	Art.-Nr.	9147363	9147368
	€	18760,00	21060,00
CHT-Monoblock/300-50S	Art.-Nr.	9147364	9147369
	€	18795,00	21085,00

*Composite label with controller

Carefree complete solution for single-family house incl. living space ventilation

Air-to-water heat pump CHA-Monoblock

Controlled living space ventilation (up to 300m³/h) with passive house certificate and DIBt approval

Standard summer bypass and 1kW preheating coil with automatic frost protection regulation

One BM-2 control module for the entire building services control center

Hot water tank [280l], expansion tank [24l], connection set

Optional integrated buffer storage [50l series buffer storage incl. overflow valve or 50l separating buffer storage]

Planning aid:

CHT building services control center / 300: Variant with integrated living space ventilation and without buffer storage. Recommendation: Defrosting energy is provided elsewhere.

CHT-Haustechnikzentrale / 300-50: Variante mit integrierter Wohnraumlüftung und Reihenaufferspeicher. Empfehlung: Zur sicheren Bereitstellung der Abtauenergie bei Systemen mit einem Heizkreis.

CHT building services control center / 300-50S: Variant with integrated living space ventilation and separating buffer tank for hydraulic decoupling. Recommendation: For safe provision of defrost energy in systems with several heating circuits

Note: Be sure to install sludge and magnetite separator

The above mentioned prices are without obligation and without VAT.

WOLF HEAT PUMPS

TUNED AIR/WATER-HEAT PUMP CENTER

CHC-MONOBLOCK

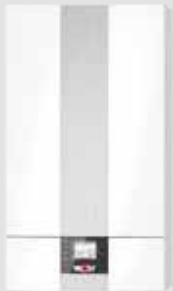
IN 10 VARIATIONS: SIMPLE, COMPLETE.



CHC-MONOBLOCK/200
CHC-MONOBLOCK/300

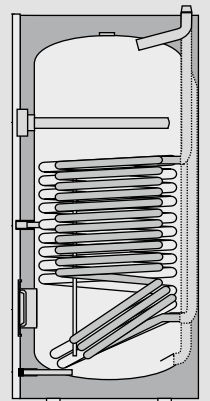
1. BASIC UNIT WITH OUTDOOR AND INDOOR UNIT IN 2 POWER LEVELS

2. HOT WATER TANK IN 2 SIZES



CHA-07

CHA-10



180 LITER

OR

280 LITER



3. WITH OR WITHOUT BUFFER TANK

4. ALWAYS INCLUDED



35 LITERS
(180 L WW) ROW
STORAGE TANK

50 LITERS
(280 L WW) ROW
OR SEPARATION
TANK



BM-2 OPERATING MODULE



EXHAUST VESSEL
MAG 24 L



**CHC-MONOBLOCK/200(-35)**

HEAT PUMP CENTER

HEAT PUMP CHA-MONOBLOCK + STORAGE PACKAGE
+ BM-2

RG | H30

TYP	CHC	07/200	10/200
Space heating low temperature *	A+++ → G	A+++	A+++
Space heating medium temperature *	A+++ → G	A+++	A++
Energy efficiency class WW storage tank	A+ → F	B	B
Energy efficiency class buffer tank	A+ → F	A	A
Type buffer tank	CHC CHC-35	ohne Reihenspeicher	ohne Reihenspeicher
Storage tank capacity hot water storage tank	I	180	180
Storage tank capacity Buffer tank	I	34	34
Heat pump monobloc CHA		07/400V	10/400V
Dimensions			
Height	CHC mm	2137	2137
Height	CHC-35 mm	2081	2081
Width	CHC mm	650	650
Width	CHC-35 mm	650	650
Depth	CHC mm	685	685
Depth	CHC-35 mm	751	751
Weights			
Hot water/buffer tank	kg	145/21	145/21
CHA Outdoor module/indoor module	kg	152/27	162/27

CHC-Monoblock 200	Art.-Nr.	9146835	9146836
	€	14250,00	16550,00
CHC-Monoblock 200-35	Art.-Nr.	9146838	9146839
	€	15380,00	17680,00

*Composite label with controller

Carefree complete solution for single-family house: CHA monoblock + 180l hot water tank + BM-2 control module + 24l expansion tank + connection set + optional integrated buffer tank

space-saving & easily accessible design

modular design for easy installation

plug-in connections for particularly easy and quick installation

optional integrated in-line buffer tank incl. overflow valve [35l]

hot water tank 180l:

ideal for a 4-person household:

low heat loss due to highly efficient PU rigid foam heat insulation

high efficient smooth tube heat exchanger with 2,3m²

Planning aid:

Variant without buffer storage: for systems where defrost energy is available elsewhere.

Variant with in-line buffer tank: For reliable provision of defrost energy in systems with one heating circuit.

Note: Be sure to install sludge and magnetite separators.



CHC-MONOBLOCK/300(-50(S))

HEAT PUMP CENTER

HEAT PUMP CHA-MONOBLOCK + STORAGE PACKAGE
+ BM-2



RG | H30

TYP	CHC	07/300	10/300
Space heating low temperature *	A+++ → G	A+++	A+++
Space heating medium temperature *	A+++ → G	A+++	A++
Energy efficiency class WW storage tank	A+ → F	B	C
Energy efficiency class buffer tank	A+ → F	A	A
Art Pufferspeicher	CHC CHC-50 CHC-50S	ohne Reihenspeicher Trennspeicher	ohne Reihenspeicher Trennspeicher
Storage tank capacity hot water storage tank	l	280	280
Storage tank capacity Buffer tank	l	49	49
Heat pump monobloc CHA		07/400V	10/400V
Dimensions			
Height	CHC[-50(S)] mm	1829	1829
Width	CHC[-50(S)] mm	600	600
Depth	CHC[-50(S)] mm	999	999
Weights			
Hot water/buffer tank	kg	145/21	145/21
CHA Outdoor module/indoor module	kg	152/27	162/27

CHC-Monoblock 300	Art.-Nr.	9146841	9146842
	€	14585,00	16885,00
CHC-Monoblock 300-50	Art.-Nr.	9146844	9146845
	€	15640,00	17940,00
CHC-Monoblock 300-50S	Art.-Nr.	9146847	9146848
	€	15665,00	17965,00

*Composite label with controller

Carefree complete solution for one- to two-family house: CHC monoblock + 280l hot water tank + BM-2 control module + 24l expansion vessel + connection set + optional integrated buffer tank

space-saving & easily accessible design

modular design for easy installation

plug-in connections for particularly easy and quick installation

optional integrated buffer tank (50l row buffer storage incl. overflow valve or 50l separating buffer storage)

Hot water tank 280l:

ideal for the 4-6 person household or for increased hot water comfort:

low heat loss due to highly efficient PU rigid foam heat insulation under foil jacket

highly efficient smooth tube heat exchanger with 3,0m²

KFE cock and immersion sleeve already installed

G1" connections VL/RL and G3/4" KW, WW, circulation from above

Planning aid:

Variant without buffer tank: for systems where defrost energy is available elsewhere.

Variant with in-line buffer tank: For safe provision of defrost energy in systems with one heating circuit.

Variant with separating buffer tank (hydraulically decoupled): For the safe provision of defrost energy in systems with several heating circuits.

Note: It is essential to install sludge and magnetite separators.

**BWL-1S****SPLIT AIR SOURCE HEAT PUMP WITH INDOOR AND OUTDOOR UNIT**

RG | H30

TYP	BWL-1S	05/230V	07/230V	10/400V	14/400V	16/400V
Energy efficiency class						
Room heating low temperature	A+++ → D	<div>A++</div>	<div>A+++</div>	<div>A+++</div>	<div>A+++</div>	<div>A++</div>
Space heating medium temperature	A+++ → D	<div>A+</div>	<div>A++</div>	<div>A++</div>	<div>A++</div>	<div>A++</div>
Seasonal space heating energy efficiency / heat rating at average climatic conditions according to EU 811/2013						
ηs [35°C]* / P _{rated}	%/kW	168 / 6	180 / 7	195 / 10	178 / 12	172 / 12
ηs [55°C]* / P _{rated}	%/kW	115 / 5	133 / 6	130 / 11	131 / 12	125 / 15
Heating capacity / COP nach EN14511						
for A2/W35 Nominal power	kW / -	3,4 / 3,7	5,0 / 3,5	7,6 / 3,8	8,8 / 3,8	10,8 / 3,3
for A7/W35 Nominal power	kW / -	5,2 / 4,9	7,3 / 4,8	10,2 / 4,8	12,1 / 4,8	17,5 / 4,0
Power range at A2/W35	kW	1,9 - 6,6	1,9 - 8,8	2,9 - 10,6	3,1 - 12,4	3,5 - 12,2
Cooling capacity / EER according to EN14511						
for A35/W7 Nominal power	kW / -	4,5 / 2,5	7,6 / 2,7	8,8 / 2,7	10,7 / 2,5	11,7 / 2,1
for A35/W18 Nominal power	kW / -	6,1 / 3,5	9,0 / 3,8	8,7 / 4,1	12,0 / 3,4	13,0 / 2,5
Power range at A35/W18	kW	1,6 - 6,9	2,9 - 9,6	3,1 - 11,0	3,2 - 13,2	4,5 - 14,3
Dimensions [incl. feet and front doors]						
Outer module WxHxD	mm	964x1261x363	964x862x363	964x1261x363	964x1261x363	964x1261x363
Interior module WxHxD	mm	440x790x340	440x790x340	440x790x340	440x790x340	440x790x340
Weight outer module / inner module	kg	66 / 33	66 / 33	110 / 35	110 / 37	110 / 37
BWL-1S	Art.-Nr.	9146611	9146520	9146522	9146524	9146613
	€	6240,00	6630,00	9100,00	10095,00	11025,00

*im Verbundlabel ist ein zusätzlicher Beitrag des Temperaturreglers von bis zu 5% möglich

Modulating split heat pump in energy-efficient design for heating and cooling operation and hot water preparation

small and easily transportable components

Contacts for EVU control signal or Smart Grid

External increase of the system temperature by e.g. Smart Grid or PV system

Outdoor module:

- Optimally adapted heating capacity due to inverter technology
- Minimal noise emissions due to integrated night mode
- infinitely variable axial fan for powerful yet energy-saving operation
- inconspicuous installation through wall or floor console and side cover of the connections
- Refrigerant (R410A) is already prefilled [for single line length up to 12 m; max. 25 m possible]

Indoor module:

- Heat flow meter, 3-way switching valve, water pressure sensor

and safety valve already integrated

- energy-saving operation due to spread control of the integrated, speed-controlled high-efficiency pump
- Flow and efficiency-optimised additional electric heating up to 6 kW for peak load reduction, as well as emergency operation and for screed heating
- complete integration into the Wolf control system
- minimal heat losses due to sound- and heat-insulated cladding
- Slot for LAN / WLAN interface Link Home

Contacts for control signal from power supply utility or for Smart Grid

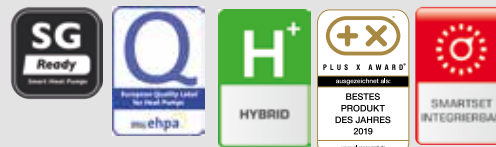
Programmable input and output:

- Blocking of heating / Blocking of hot water / Blocking of heating / Hot water /
- Dew point monitor / maximum thermostat / collector sensor / control by GLT [0-10V/potential-free contact]
- Circulation pump (time control or push button)/ alarm output/request for a 2nd heat generator



BWL-1SB

SPLIT AIR SOURCE HEAT PUMP WITH INDOOR AND OUTDOOR UNIT



RG | H30

TYP	BWL-1S - B	05/230V	07/230V	10/400V	14/400V	16/400V
Energy efficiency class						
Room heating low temperature	A+++ → D	A++	A+++	A+++	A+++	A++
Space heating medium temperature	A+++ → D	A+	A++	A++	A++	A++
Seasonal space heating energy efficiency / heat rating at average climatic conditions according to EU 811/2013						
η_s [35°C]* / P_{rated}	%/kW	168 / 6	180 / 7	195 / 10	178 / 12	172 / 12
η_s [55°C]* / P_{rated}	%/kW	115 / 5	133 / 6	130 / 11	131 / 12	125 / 15
Heating capacity / COP nach EN14511						
for A2/W35 Nominal power	kW / -	3,4 / 3,7	5,0 / 3,5	7,6 / 3,8	8,8 / 3,8	10,8 / 3,3
for A7/W35 Nominal power	kW / -	5,2 / 4,9	7,3 / 4,8	10,2 / 4,8	12,1 / 4,8	17,5 / 4,0
Power range at A2/W35	kW	1,9 - 6,6	1,9 - 8,8	2,9 - 10,6	3,1 - 12,4	3,5 - 12,2
Cooling capacity / EER according to EN14511						
for A35/W7 Nominal power	kW / -	4,5 / 2,5	7,6 / 2,7	8,8 / 2,7	10,7 / 2,5	11,7 / 2,1
for A35/W18 Nominal power	kW / -	6,1 / 3,5	9,0 / 3,8	8,7 / 4,1	12,0 / 3,4	13,0 / 2,5
Power range at A35/W18	kW	1,6 - 6,9	2,9 - 9,6	3,1 - 11,0	3,2 - 13,2	4,5 - 14,3
Dimensions [incl. feet and front doors]						
Outer module WxHxD	mm	964x862x363	964x862x363	964x1261x363	964x1261x363	964x1261x363
Interior module WxHxD	mm	440x790x340	440x790x340	440x790x340	440x790x340	440x790x340
Weight outer module / inner module	kg	66 / 31	66 / 31	110 / 33	110 / 35	110 / 35
BWL-1S - B						
	Art.-Nr.	9146612	9146521	9146523	9146525	9146614
	€	5785,00	6165,00	8635,00	9625,00	10560,00

*im Verbundlabel ist ein zusätzlicher Beitrag des Temperaturreglers von bis zu 5% möglich

Modulating split heat pump in energy-efficient design for heating and cooling operation and hot water preparation

small and easily transportable components

Contacts for EVU control signal or Smart Grid

External increase of the system temperature by e.g. Smart Grid or PV system

Outdoor module:

- Optimally adapted heating capacity due to inverter technology
- Minimal noise emissions due to integrated night mode
- infinitely variable axial fan for powerful yet energy-saving operation
- discreet installation through wall or floor console and lateral covering of the connections
- Refrigerant (R410A) is already prefilled [for single line length up to 12 m; max. 25 m possible]

Indoor module:

- Heat flow meter, 3-way switching valve, water pressure sensor and safety valve already integrated
- energy-saving operation due to spread control of the integrated, speed-controlled high-efficiency pump
- optional: flow and efficiency-optimised additional electric heating up to 6 kW for peak load reduction, as well as emergency operation and for screed heating

- complete integration into the Wolf control system

- minimal heat losses due to sound- and heat-insulated cladding

- Slot for LAN / WLAN interface Link Home

Programmable input and output:

- Blocking of heating / Blocking of hot water / Blocking of heating / Hot water / Dew point monitor / maximum thermostat / collector sensor / control by GLT [0-10V/potential-free contact]
- Circulation pump [time control or push button]/ alarm output/request for a 2nd heat generato

**BWL-1SB****AIR/WATER HEAT PUMP****SPLIT DESIGN WITH INDOOR AND OUTDOOR UNIT**

RG | H30

TYP	BWL-1S - B	10/230V	14/230V
Room heating low temperature	A+++ → D	A++	A++
Space heating medium temperature	A+++ → D	A+	A+
Seasonal space heating energy efficiency / heat rating at average climatic conditions according to EU 811/2013			
$\eta_s [35^\circ\text{C}]^* / P_{\text{rated}}$	%/kW	150 / 10	150 / 12
$\eta_s [55^\circ\text{C}]^* / P_{\text{rated}}$	%/kW	111 / 10	111 / 11
Heating capacity / COP nach EN14511			
for A2/W35 Nominal power	kW / -	7,7 / 3,5	9,6 / 3,3
for A7/W35 Nominal power	kW / -	11,1 / 4,7	14,1 / 4,3
Power range at A2/W35	kW	3,6 - 9,5	3,6 - 10,9
Cooling capacity / EER according to EN14511			
for A35/W7 Nominal power	kW / -	6,6 / 2,7	8,2 / 2,5
for A35/W18 Nominal power	kW / -	8,5 / 3,4	10,1 / 2,9
Power range at A35/W18	kW	4,9 - 11,2	4,9 - 12,9
Dimensions (incl. feet and front doors)			
Outer module WxHxD	mm	964x1261x363	964x1261x363
Interior module WxHxD	mm	440x790x340	440x790x340
Weight outer module / inner module	kg	110 / 33	110 / 35

BWL-1S - B	Art.-Nr.	9146526	9146527
	€	8285,00	9275,00

*in the composite label, an additional contribution of the temperature controller of up to 5% is possible.

Modulating split heat pump in energy-efficient design for heating and cooling operation and hot water preparation

small and easily transportable components

Contacts for EVU control signal or Smart Grid

External increase of the system temperature by e.g. Smart Grid or PV system

Outdoor module:

- Optimally adapted heating capacity due to inverter technology
- Minimal noise emissions due to integrated night mode
- infinitely variable axial fan for powerful yet energy-saving operation
- discreet installation through wall or floor console and lateral covering of the connections
- Refrigerant (R410A) is already prefilled (for single line length up to 12 m; max. 25 m possible)

Indoor module:

- Heat flow meter, 3-way switching valve, water pressure sensor and safety valve already integrated
- energy-saving operation due to spread control of the integrated, speed-controlled high-efficiency pump
- optional: flow and efficiency-optimised additional electric heating up to 6 kW for peak load reduction, as well as emergency operation and for screed heating
- complete integration into the Wolf control system
- minimal heat losses due to sound- and heat-insulated cladding
- Slot for LAN / WLAN interface Link Home

Programmable input and output:

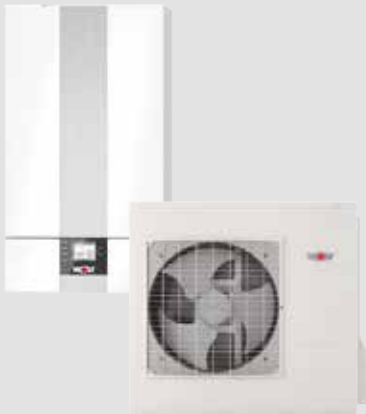
- Blocking of heating / Blocking of hot water / Blocking of heating / Hot water / Dew point monitor / maximum thermostat / collector sensor / control by GLT [0-10V/potential-free contact]
- Circulation pump (time control or push button)/ alarm output/request for a 2nd heat generator

TUNED AIR/WATER-HEAT PUMP CENTER
CHC-SPLIT
IN 25 VARIATIONS: SIMPLE, COMPLETE.



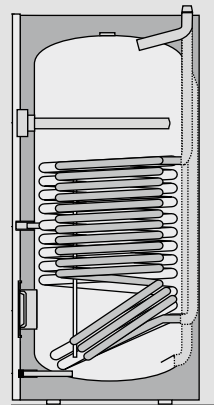
CHC-SPLIT/200
CHC-SPLIT/300

1. BASIC UNIT WITH OUTDOOR AND INDOOR UNIT IN 5 POWER LEVELS



BWL-1S-05
 BWL-1S-07
 BWL-1S-10
 BWL-1S-14
 BWL-1S-16

2. HOT WATER TANK IN 2 SIZES



200 LITER
 OR
 300 LITER

3. WITH OR WITHOUT BUFFER TANK



35 LITERS
 [200 L WW] ROW TANK

 50 LITERS
 [300 L WW] ROW OR SEPARATION TANK

4. ALWAYS INCLUDED



BM-2 OPERATING MODULE



EXHAUST VESSEL
 MAG 24 L



CHC-SPLIT/200(-35) HEAT PUMP CENTRE HEAT PUMP BWL-1S + STORAGE PACKAGE + BM-2



RG | H30

TYPE	CHC-Split/200	05/200	07/200	10/200	14/200	16/200
Raumheizung Niedertemperatur	A++ → G	A++	A+++	A+++	A+++	A++
Raumheizung Mitteltemperatur	A++ → G	A+	A++	A++	A++	A++
Energy efficiency class	A+ → F	B	B	B	B	B
Energieeffizienzklasse Pufferspeicher	A+ → F	A	A	A	A	A
Buffer tank	CHC	without	without	without	without	without
	CHC-35	Row memory	Row memory	Row memory	Row memory	Row memory
Cylinder capacity	l	180	180	180	180	180
Speicherinhalt Pufferspeicher	l	34	34	34	34	34
Wärmepumpe Splitbauweise BWL-1S		05/230V	07/230V	10/400V	14/400V	16/400V
Dimensions						
Height	CHC	mm	2137	2137	2137	2137
Height	CHC-35	mm	2081	2081	2081	2081
Width	CHC	mm	650	650	650	650
Width	CHC-35	mm	650	650	650	650
Depth	CHC	mm	685	685	685	685
Depth	CHC-35	mm	751	751	751	751
Weights						
Hot water tank/buffer tank	kg	145/21	145/21	145/21	145/21	145/21
BWL-1S outdoor module/indoor module	kg	66/31	66/31	110/35	110/37	110/35

CHC-Split 200	Art.-Nr.	9146657	9146658	9146659	9146660	9146661
	€	10170,00	10415,00	12890,00	13880,00	14835,00
CHC-Split 200-35	Art.-Nr.	9146662	9146663	9146664	9146665	9146666
	€	11290,00	11535,00	14010,00	15000,00	15955,00

* Compound label with controller BM-2

No-fuss complete solution for detached house: BLW-1S + 180l boiler + BM-2 operating module + 24l expansion tank + connection kit + integrated buffer cylinder (optional)

space-saving and easily accessible structure

modular structure for simple insertion

Plug connections for especially easy and quick installation

Versions with 35l series buffer cylinders, incl. overflow valve

Perfect for combination with home technology centre with CWL-T

180l boiler:

ideal for a 4-person household

low heat loss thanks to highly effective PU rigid foam thermal insulation

highly efficient indirect coil with 2.3m²

PLANNING SUPPORT:

Versions without buffer cylinder: For systems where defrost energy is otherwise available.

Version with series buffer cylinders: For safe processing of

defrost energy in systems with a heating circuit.

WOLF HEAT PUMPS

The above mentioned prices
are without obligation and without VAT.



CHC-SPLIT/300(-50(S)) HEAT PUMP CENTRE HEAT PUMP BWL-1S + STORAGE PACKAGE + BM-2



RG | H30

TYPE	CHC-Split/300	05/300	07/300	10/300	14/300	16/300
Raumheizung Niedertemperatur	A++ → G	A++	A+++	A+++	A+++	A++
Raumheizung Mitteltemperatur	A++ → G	A+	A++	A++	A++	A++
Energy efficiency class	A+ → F	C	C	C	C	C
Energieeffizienzklasse Pufferspeicher	A+ → F	A	A	A	A	A
Buffer tank	CHC CHC-50 CHC-50S	without Row memory	without Row memory	without Row memory	without Row memory	without Row memory
Cylinder capacity	I	280	280	280	280	280
Speicherinhalt Pufferspeicher	I	49	49	49	49	49
Wärmepumpe Splitbauweise BWL-1S		05/230V	07/230V	10/400V	14/400V	16/400V
Dimensions						
Height	mm	1829	1829	1829	1829	1829
Width	mm	600	600	600	600	600
Depth	mm	999	999	999	999	999
Weights						
Hot water tank/buffer tank	kg	140/22	140/22	140/22	140/22	140/22
BWL-1S outdoor module/indoor module	kg	66/33	66/33	110/35	110/37	110/37

CHC-Split 300	Art.-Nr.	9146667	9146668	9146669	9146670	9146671
	€	10505,00	10750,00	13230,00	14220,00	15175,00
CHC-Split 300-50	Art.-Nr.	9146672	9146673	9146674	9146675	9146676
	€	11530,00	11775,00	14250,00	15240,00	16195,00
CHC-Split 300-50S	Art.-Nr.	9146677	9146678	9146679	9146680	9146681
	€	11560,00	11810,00	14280,00	15270,00	16225,00

* Compound label with controller BM-2

No-fuss complete solution for detached or semi-detached house:
BWL-1S + 280l boiler + BM-2 operating module + 24l expansion tank
+ connection kit + integrated buffer cylinder [optional]

space-saving and easily accessible structure

modular structure for simple insertion

Plug connections for especially easy and quick installation

Versions with 50l series buffer cylinders, incl. overflow valve or 50l
separation buffer cylinder ["50S"]

can be combined with home technology centre with CWL-T

280l boiler:

ideal for 4-6 person households, or for increased hot water comfort

low heat loss thanks to highly effective PU rigid foam thermal insulation

under foil cover

highly efficient indirect coil with 3.0m²

drain & fill valve and immersion pocket already pre-fitted

G1" VL/RL connections and G3/4" KW, WW, circulation from above

PLANNING SUPPORT:

Versions without buffer cylinder: For systems where defrost energy
is otherwise available.

Version with series buffer cylinders: For safe processing of defrost
energy in systems with a heating circuit.

Version with separation buffer cylinder [hydraulically isolated]: For
safe processing of defrost energy for systems with several heating
circuits.

The above mentioned prices
are without obligation and without VAT.

WOLF HEAT PUMPS



BM-2 PROGRAMMING UNIT

- Central operating module for WOLF heat generators of the WRS-2 generation
- Room/weather-compensated temperature controller
- for installation in heat generators / additional modules or in wall sockets for remote control
- with time programs for heating, hot water and circulation
- intuitive menu guidance with plain text display and 3.5" colour display
- Commissioning assistant with automatic detection of plant components
- Support of 5 heat generators with KM-2
- Adjustment of heating and cooling curves
- Can be used as remote control for CWL Excellent / CWL-2
- Compatible with WOLF Smartset

incl. outdoor temperature sensor, BM-2 black	2745304	458.00	H41
incl. outdoor temperature sensor, BM-2 white	2745927	458.00	H41
without outdoor temperature sensor, BM-2 black	2745306	430.00	H41

Note: Required for the operation in accordance with EnEV.



RM-2 ROOM MODULE

4 in 1: Automatic recognition of the function based on system components:

- Room temperature controller with daily/weekly program
- Remote control for living room ventilation CWL Excellent / CWL 2 (at the same time as room temperature control)
- Remote control of all heating or mixing circuits (with BM/BM-2 in the system)
- Remote control for up to 7 individual heating circuits with several RM-2 (with BM/BM-2 in the system)
- Illuminated touch screen
- Integrated room temperature sensor
- Connection via eBus interface
- Many functions: Holiday mode, fault messages, temperature displays etc.
- Compatible with WOLF Smartset

2747657 236.00 H41



AM DISPLAY MODULE

For installation in the appliance

Note: Required for appliance operation if the BM-2 is used as a remote control.

2745310 228.00 H41



WALL MOUNTING BASE FOR BM-2

For using the BM-2 programming unit as a remote control

black	1731129	31.70	H41
white	1731442	31.70	H41



MM-2 MIXER MODULE

Extension module for weather-compensated flow temperature control of a circuit with mixer.

- Can be extended with the BM-2 programming unit as a remote control
- Up to 7 mixer modules can be integrated into one system
- Easy configuration of the controller by selecting predefined system versions
- eBus interface with automatic energy management
- Rast 5 connection technology
- Incl. flow temperature sensor

2745865 384.00 H41



SM1-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

Art. no.	€	DG
2745867	286.00	H41

- Simple configuration of the controller by selection of pre-defined plant variants
- In combination with Wolf heaters, higher energy savings due to intelligent Storage tank recharging, i.e. blocking of storage tank recharging with a sufficiently high solar yield
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, secondary and parallel operation)
- Display of setpoints and actual values in the adjustment module BM-2 eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal



SM2-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

2745869	468.00	H41
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- Simple configuration of the controller by selecting predefined system variants
- In conjunction with Wolf heaters higher energy savings through intelligent storage tank recharging, i.e. blocking of storage tank recharging if solar yield is sufficiently high
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, subordinate and parallel operation)
- Display of set and actual values in the BM-2 operating module
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal



KM-2 V2

- Passend nur für CHA-Monoblock und BWL-1S(B)
- Kaskadierung von bis zu fünf Wärmepumpen
- Nur ein BM-2 benötigt, alle anderen Geräte werden mit AM bestückt
- Perfekt für Hybridbetrieb vorbereitet
- Flexibler Betrieb: Warmwasserbereitung und Heizen oder Kühlen gleichzeitig
- Einstellbereich: 80 - 100% r.F.

2747765	575.00	H41
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WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



AFB ANALOGUE REMOTE CONTROL

- Basic WRS remote control for heating and mixer circuits
- Each heating circuit can be operated separately with a remote control
- Integrated room temperature sensor
- Setting of temperature and program selection via rotary selector
- eBus interface

Art. no.	€	DG
2744551	124.00	H41



MAXIMUM THERMOSTAT

For underfloor heating
For switching off the heating circuit pump if the set temperature is exceeded.

2791905	60.00	H41
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WIRELESS REMOTE CONTROL

[only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209]

2744200	165.00	H41
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AVAILABLE UNTIL 04/21



WIRELESS OUTSIDE TEMPERATURE SENSOR

[only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209]

2744081	136.00	H41
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AVAILABLE UNTIL 04/21



WIRELESS RECEIVER

for radio outdoor temperature sensor [Art.-No. 2744081] and radio remote control [Art.-No. 2744200] incl. radio clock [DCF77 signal]

2744209	179.00	H41
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AVAILABLE UNTIL 04/21



TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE

Can be used as a cylinder, boiler, central unit and supply air temperature sensor

8852829	62.00	H41
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HEAT METERING KIT

For measuring the yield of SM1-2 and SM2-2 solar modules

Consisting of:
Flow meter, return contact sensor (NTC 5k), 2 union connections with male thread 1/2"

Q_{Nenn}/max 1,5/3 m³/h
Q_{nom}/max. 2.5/5 m³/h

2744392	191.00	H41
2744610	234.00	H41



RETURN CONTACT SENSOR (NTC 5K)

For SM1-2 and SM2-2 solar modules
For measuring the yield using Δt and the flow rate set in the control unit.

2792022	54.00	H41
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WOLF LINK HOME LAN / WLAN INTERFACE MODULE

Art. no. € DG

2746365 253.00 H41

Consisting of:
WOLF LINK HOME interface module, connection cable, installation / operating instructions, network cable

- Integrated LAN and WLAN interfaces for integration of WOLF heating systems in one network, or
- For WOLF heating device connections to the Wobulter Smarthome system

Note: To obtain full access to both functions and operation a programming module BM-2 is recommended.



WOLF LINK 4G

2747704 970.00 H41

Consisting of:
Interface module WOLF Link 4G incl. LTE router with external antenna, mounting / operating instructions, power supply unit

- Interface module for wall mounting in systems without a fixed Internet connection
- Connection of WOLF heating systems to the WOLF Smartset Portal / App
- Use for parameterization of compatible WOLF devices
- Power supply via power supply unit
- A mobile data tariff (min. 3G) with approx. 500MB/month is required for operation.

Note: Service leasing variant incl. Multi-Sim card (minimum contract term 2 years) available from Wolf Service.



ISM8i OPEN SOURCE ETHERNET INTERFACE MODULE

2745831 253.00 H41

Interface module with disclosed TCP/IP protocol for system-independent integration of WOLF heating appliances and ventilation units.



KNX INTERFACE KIT

2745713 785.00 H41

Interface kit for integration of WOLF heating appliances into a KNX network

Consisting of:
Interface module ISM8i ETHERNET, KNX-IP-BAOS module, installation and operating instructions, network cable



EEBUS INTERFACE SET

8616070 615.00 H41

Interface set for integrating Wolf heaters into an EEBus network.

consisting of:
Interface module ISM8i ETHERNET, EEBus module, installation/operating instructions, network cable

**BWL-1-I****AIR-TO-WATER HEAT PUMP****IN MONOBLOC CONSTRUCTION, INDOOR INSTALLATION**

RG | H30

TYPE	BWL-1-I	08	10	12	14
Energy efficiency class					
Space heating low temperature	A+++ → D	A++	A+	A++	A++
Space heating medium temperature	A+++ → D	A+	A+	A+	A+
Heating capacity / COP acc. to EN14511					
with A2/W35 nominal power	kW / -	8.4 / 3.8	9.6 / 3.7	11.7 / 3.7	13.5 / 3.6
for A7/W35 nominal power	kW / -	8.7 / 4.5	9.8 / 4.4	11.9 / 4.3	13.6 / 4.2
with A7/W45 nominal power	kW / -	10.4 / 3.3	11.7 / 3.6	14.4 / 3.5	13.0 / 3.3
with A10/W35	kW / -	9.9 / 4.7	11.1 / 4.6	13.8 / 4.5	13.7 / 4.5
with A7/W35 nominal power	kW / -	7.5 / 3.7	8.5 / 3.2	10.4 / 3.1	11.3 / 3.0
Dimensions					
height	mm	1665	1665	1665	1665
width	mm	985	985	985	985
depth	mm	810	810	810	810
Weight	kg	217	242	244	254

BWL-1-I	Art. no.	9145394	9145395	9145396	9145397
	€	10145.00	11215.00	12130.00	13740.00

High-efficiency air-to-water heat pump for a max. heating water temperature of 63°C and a min. air temperature down to -25°C

Heat flow meter integrated in the device (approved by BAFA)

electronic soft start for starting current limitation

electronically controlled electric heating element 6kW (or 8kW for BWL-1-14) for demand-oriented support of heating and hot water preparation in monoenergetic operation

Integrated control for high-efficiency pump (EEI < 0.23) and switching valve

vibration-decoupled connections

speed-controlled EC centrifugal fan

Ready-to-plug-in connection (incl. 5m cable) from the heat pump to

the heat pump manager WPM-1 „Wolf Easy connect System

defrosting on demand by natural or active defrosting (process reversal)

integrated phase and rotating field monitor

Discharge connection either left or right, corner installation possible

Suction duct connection at the rear

External raising of the system temperature by Smart Grid or PV system

Easy installation due to direct connection of supply and return



BWS-1 GROUND SOURCE HEAT PUMP (BRINE) INDOOR INSTALLATION



RG | H30

TYPE	BWS-1	06	08	10	12	16
Energy efficiency class						
Space heating low temperature	A+++ → D	A+++	A++	A++	A++	A++
Space heating medium temperature	A+++ → D	A+	A+	A++	A++	A++
Heating capacity / COP acc. to EN14511						
with B0/W35 Nennleistung	kW / -	5.9 / 4.7	8.4 / 4.7	10.8 / 4.7	12.0 / 4.7	16.8 / 4.6
with B0/W55 Nennleistung	kW / -	5.3 / 2.8	7.4 / 2.8	9.2 / 2.9	10.5 / 2.8	15.8 / 2.8
with B5/W35 Nennleistung	kW / -	6.9 / 4.3	9.7 / 5.4	12.3 / 5.4	13.8 / 5.3	19.9 / 5.3
bei B-5/W45 Nennleistung	kW / -	4.8 / 3.1	6.8 / 3.2	8.6 / 3.1	9.7 / 3.1	14.7 / 3.2
Dimensions						
height	mm	740	740	740	740	740
width	mm	600	600	600	600	600
depth	mm	650	650	650	650	650
Weight	kg	140	145	148	168	174

BWS-1	Art. no.	9145384	9145385	9145386	9145387	9145388
	€	8750.00	8915.00	9305.00	10380.00	11750.00

High efficiency ground source heat pump (brine) for a maximum heating water temperature of 63 °C and a brine temperature of -7 °C to 21 °C

Heat meter integrated into the appliance (recognised by BAFA)

Electronic soft start to limit start-up current (BWS-1-08/10/12/16)

Electronically controlled electric heating element 6 kW to support central heating and DHW heating in mono energetic operation as required

High efficiency pumps (EEI < 0.23) for heating and brine circuits

Diverter valve for DHW heating

Insulated safety valve assemblies for heating circuit/DHW heating and brine circuit

Anti-vibration connections

„Wolf Easy Connect System“ with fully wired connection (including 4 m cable) from the heat pump to the WPM-1 heat pump manager

Integral phase and rotary field monitors

External system temperature raising by Smart Grid or PV system



BWW-1 GROUND SOURCE HEAT PUMP (WATER) INDOOR INSTALLATION



RG | H30

TYPE	BWW-1	07	11	13	15	21
Energy efficiency class						
Space heating low temperature	A+++ → D	A+++	A+++	A+++	A+++	A+++
Space heating medium temperature	A+++ → D	A++	A++	A++	A++	A++
consisting of:		BWS-1-06 + BWM-S	BWS-1-08 + BWM-S	BWS-1-10 + BWM-S	BWS-1-12 + BWM-L	BWS-1-16 + BWM-L
Dimensions BWS-1 / BWM						
with W10/W35 Nennleistung	kW / -	7.1 / 5.4	10.5 / 5.6	13.3 / 5.6	15.0 / 5.5	20.8 / 5.5
with W10/W45 Nennleistung	kW / -	6.9 / 4.2	10.0 / 4.4	12.2 / 4.3	14.0 / 4.3	19.3 / 4.3
with W10/W55 Nennleistung	kW / -	6.2 / 3.2	9.3 / 3.3	11.5 / 3.2	13.5 / 3.3	17.0 / 3.3
Weight BWS-1 / BWM	kg	141 / 11	145 / 11	149 / 11	169 / 16	174 / 16

BWW-1	Art. no.	9146033	9146034	9146035	9146036	9146037
	€	10205.00	10385.00	10765.00	12220.00	13590.00

High efficiency ground source heat pump (water) with intermediate heat exchanger for a max. heating water temperature of 63 °C and a well water temperature of +7 °C to 22 °C

Heat meter (recognised by BAFA) integrated into the appliance

Electronic soft start to limit start-up current (BWW-1-11/13/15/21)

Electronically controlled electric heating element 6 kW to support central heating and DHW heating in mono energetic operation

High efficiency pumps (EEI < 0.23) for heating and brine circuits

Diverter valve for DHW heating

Insulated safety assemblies for heating circuit/DHW heating and brine circuit

Anti-vibration connections

„Wolf Easy Connect System“ with fully wired connection (including 4 m cable) from the heat pump to the WPM-1 heat pump manager

Integral phase and rotary field monitors

BWM-S or BWM-L water/water module

Nickel soldered plate heat exchanger made from stainless steel

Diffusion-proof thermal insulation

Wall retainer with fixing kit

Parameter plug for configuring the heat pump

External system temperature raising through Smart Grid or PV system



WPM-1 HEAT PUMP MANAGER

With BM programming unit
(incl. outside temperature sensor and mixer circuit sensor)

- Room temperature-dependent/weather-compensated controller, with time program for heating and DHW to regulate one heating circuit, one circuit with mixer and DHW heating
- Flexible wall mounting
- Heat pump connection to WPM-1 ready to plug in „Wolf Easy Connect System“
- The entire system can be disconnected from the mains using the main switch in the WPM-1
- Easy commissioning through pre-configured hydraulic schemes
- Heat quantity indication
- Display of seasonal performance factor (SPF) and daily performance factor (DPF) possible by connecting the pulse signal from the on-site electricity meter to the S interface
- Programmable input for DHW circulation remote control, heating/DHW block, external demand ON/OFF, 0-10V
- Programmable output for DHW circulation pump (timer or switch), alarm output, swimming pool charging pump
- Floating contact for switching on a second heat generator
- eBus interface
- Connection possibility for Smart Grid or PV system

Art. no.	€	DG
2744960	1360.00	H41



CONNECTING CABLE (POWER CABLE AND CONTROL CABLE)

Fully wired cable set for power cable and control cable from the heat pump manager to the heat pump, (min. pipe diameter Ø 75 mm)

6 m	2744916	227.00	H41
14m	2744917	347.00	H41
21m	2744918	462.00	H41
30m	2744919	615.00	H41



KM-2 CASCADE MODULE

Extension module to control systems with a low loss header or cascade operation. Can be used for up to 5 heat generators.
(Subject to heat generator)

- Easy configuration of the controller by selecting predefined system versions
- Switching of a circuit with mixer
- BM-2 programming unit can be clipped into place or extended as a remote control unit with a wall mounting base
- 0-10V input for building management systems, fault message output 230V
- eBus interface with automatic energy management
- Rast 5 connection technology

2745866	575.00	H41
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MM MIXER MODULE

Extension module for weather-compensated flow temperature control of a mixer circuit.

- Can be extended as remote control with operating module BM
- Up to 7 mixer modules can be integrated into one system
- Simple configuration of the controller by selecting predefined system variants
- Operating module BM can be clipped in or extended with wall socket as remote control
- eBus interface with automatic energy management
- Rast 5 Connection technology
- can also be used for hot water preparation or return temperature increase
- incl. flow temperature sensor

2744293	384.00	H41
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WOLF

CONTROL SYSTEMS / CONTROL ACCESSORIES



BM PROGRAMMING UNIT

Room temperature-dependent/weather-compensated control, time programs for heating and DHW, backlit LCD, simple menu navigation through plain text display, operation using rotary selector with pushbutton function, 4 function keys for frequently used functions (heating, DHW, setback, information), mounted in wall mounting base, only one programming unit necessary for installations with multiple circuits, eBus interface

Without outside temperature sensor
[only in combination with wall mounting base, art.-no. 2744275]

Art. no.	€	DG
2744347	414.00	H41



WALL MOUNTING BASE

Wall mounting base for using the BML programming unit as a remote control

2744275	32.40	H41
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MAXIMUM THERMOSTAT

For underfloor heating
For switching off the heating circuit pump if the set temperature is exceeded.

2791905	60.00	H41
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WOLF LINK PRO LAN/WLAN EXTERNAL INTERFACE MODULE

Consisting of:
Interface module ISM7e / WOLF LINK PRO, installation and operating instructions, eBus cable, power supply unit, network cable
• LAN and WLAN interface module for wall mounting or mobile application
• Connection of Wolf heating appliances to the Wolf Smartset portal/App
• mobile application for parametrisation of the heating system
• Voltage supply via mains adapter or USB

Note: Nur in Verbindung mit BM-2 verwendbar.

2746366	474.00	H41
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WIRELESS REMOTE CONTROL

[only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209]

AVAILABLE UNTIL 04/21

2744200	165.00	H41
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WIRELESS OUTSIDE TEMPERATURE SENSOR

[only in combination with receiver for radio outdoor temperature sensor and remote control art. no. 2744209]

AVAILABLE UNTIL 04/21

2744081	136.00	H41
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WIRELESS RECEIVER

for radio outdoor temperature sensor [Art.-No. 2744081] and radio remote control [Art.-No. 2744200] incl. radio clock (DCF77 signal)

AVAILABLE UNTIL 04/21

2744209	179.00	H41
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SM1-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

Art. no.	€	DG
2745867	286.00	H41

- Simple configuration of the controller by selection of pre-defined plant variants
- In combination with Wolf heaters, higher energy savings due to intelligent Storage tank recharging, i.e. blocking of storage tank recharging with a sufficiently high solar yield
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, secondary and parallel operation)
- Display of setpoints and actual values in the adjustment module BM-2 eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal



SM2-2 SOLAR MODULE

Extension module for controlling a solar system with up to 2 storage tanks and 2 collector arrays

2745869	468.00	H41
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- Simple configuration of the controller by selecting predefined system variants
- In conjunction with Wolf heaters higher energy savings through intelligent storage tank recharging, i.e. blocking of storage tank recharging if solar yield is sufficiently high
- Heat quantity measurement with external heat quantity meter for all configurations
- Function control for volume flow and gravity brake
- Selection of the storage mode (priority, subordinate and parallel operation)
- Display of set and actual values in the BM-2 operating module
- eBus interface with automatic energy management
- Rast 5 Connection technology
- Immersion sensor PT1000 For collector
- Immersion sensor 5K NTC for storage tank
- Storage immersion sleeve 1/2" with PG strain relief
- Collector immersion sleeve 3/4" with PG strain relief and seal



TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE

Can be used as a cylinder, boiler, central unit and supply air temperature sensor

8852829	62.00	H41
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SWP DHW HEAT PUMP



RG | H30

TYPE	SWP	200	260	260B
Energy efficiency class				
Energy efficiency class Water heating	A+ → F	A+	A+	A+
Heating capacity	kW	2	2	2
COP acc. to EN16147				
with A15/W10-55	-	3.24	3.54	3.54
with A7/W10-55	-	2.94	3.08	3.08
Tapping code		L	XL	XL
Output of additional electr. heating element	kW	1.5	1.5	1.5
Cylinder capacity	l	200	260	260
Dimensions				
Dimensions ØxH	mm	Ø650 x 1714	Ø650 x 2000	Ø650 x 2000
Tilting measure	mm	1780	2080	2080
Weight	kg	80	115	100

SWP	Art. no.	2484891	2484841	2485089
	€	3085.00	3300.00	3255.00

Fully wired DHW heat pump

Recirculation air, extract air and outdoor air mode possible via duct-work system

Cellar or storage room can be cooled and dehumidified

Safe separation of refrigerant and potable water due to external safety condenser

Increase of on-site consumption of power from a photovoltaic system thanks to Smart Grid Ready connection to the inverter (increased set value up to 75 °C)

Integrated electric heating element 1.5 kW

SWP-260 is additionally equipped with a 1 m² indirect coil for dual mode operation (solar/gas/biomass)

Integral control unit with 2 time programs, pasteurisation function and demand-dependent defrost function

SWP-260 and SWP-260B with 2 additional air duct connections at the side for rooms with low ceilings

160 mm air connector for air duct with WOLF DN160 insulated duct

Advantages:

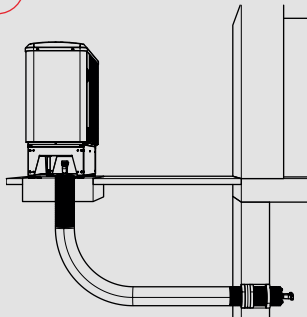
- Ready-to-use convection connection solutions
- Easy assembly and tidy appearance
- Insulated corrugated stainless steel pipes and empty electric pipes
- Pressurized water and radon tight
- The right solutions for every project

for product

Art. no.

DG

NEW AVAILABLE FROM 03/2020



SET CELLAR INLET

- 1x casing pipe DN200
- Insulated corrugated stainless steel pipe DN32
- 2x cable conduit for control and power supply
- 1x sealing set for jacket pipe and cellar inlet (core hole drilling or lining pipe DN250)
- Installation accessories (route tape, bend hoist)
- Incl. adapter nipple set

DN200/32 - 3M

2075164

H31

DN200/32 - 5M

2075165

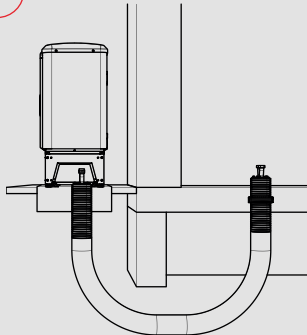
H31

DN200/32 - 10M

2075166

H31

NEW AVAILABLE FROM 03/2020



SET FLOOR PLATE INSERTION

- 1x Jacket pipe DN200
- Insulated corrugated stainless steel pipe DN32
- 2x cable conduit for control and power supply
- 1x sealing set for jacket pipe and base plate
- Mounting accessories (route tape, bend hoist)
- Incl. adapter nipple set

DN200/32 - 5M

2075162

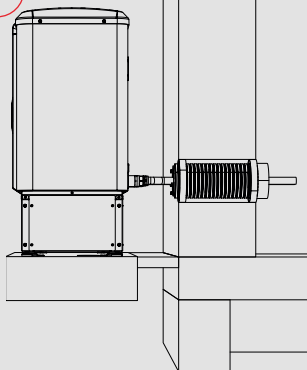
H31

DN200/32 - 10M

2075163

H31

NEW AVAILABLE FROM 03/2020



SET WALL BUSHING

- 1x 0,7m casing pipe DN160
- 2x 1,5m insulated corrugated stainless steel pipe DN25
- 1x sealing set for casing pipe and wall bushing (core hole drilling or lining pipe DN200)
- mounting accessories
- Incl. adapter nipple set
- Compatible with wall and floor console

DN160/25

2075161

845,00 H31

DN200/32 (only in combination with floor console)

2075167

895,00 H31

NEW



ADAPTER NIPPLE SETS G 1 1/4-RP 1 1/4

Simple connection of the outdoor module to the district heating pipe

9147597

H31

NEW



ADAPTER NIPPLE SETS G 1 1/4-G 1 1/4

Simple connection of the outdoor module to the district heating pipe

9147598

H31

NEW



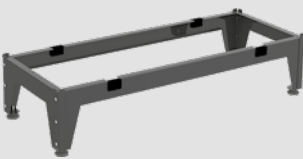
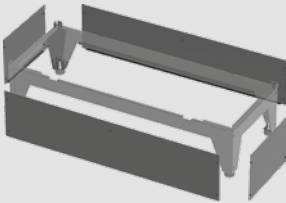
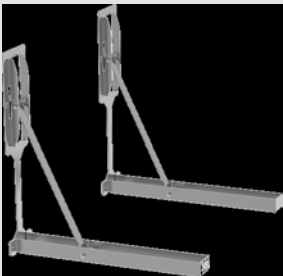
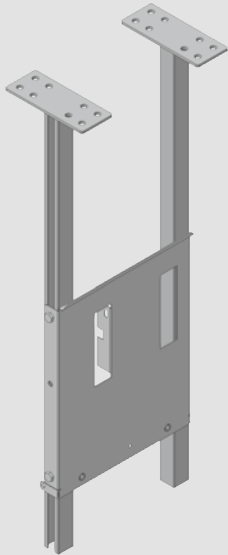
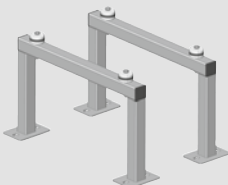
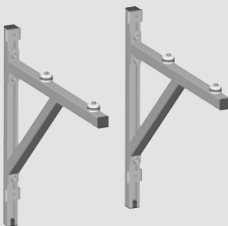
ADAPTER NIPPLE SETS G 1 1/4-G 1 1/2

Simple connection of the outdoor module to the district heating pipe

9147599

H31

WOLF HEAT PUMP ACCESSORIES

	for product	Art. no.	€	DG
	FLOOR BRACKET CHA-MONOBLOCK	CHA	9146878	310.00 H31
	<ul style="list-style-type: none"> • Floor console for a raised stand • Reduces contamination of the external module • Advantages for areas with higher snowfall intensity 			
	CLADDING FLOOR CONSOLE	floor console CHA	9147102	191.00 H31
	<ul style="list-style-type: none"> • Optionally suitable for CHA monoblock floor console • For a high-quality and closed look • Set consisting of cladding sheets and matt black design screws 			
	WANDKONSOLE CHA-MONOBLOCK		2486375	392.00 H31
	<ul style="list-style-type: none"> - Wall bracket for an elevated stand - Particularly space-saving and inconspicuous solution for solid walls - Advantages for areas with higher snowfall intensity 			
	APPLIANCE BRACKET	BWL-1S[B]	2484830	222.00 H31
	<ul style="list-style-type: none"> • For fastening the wall units to the ceiling before laying the screed • Screed drying without storage possible • Installation of the storage tank only after completion of the floor coverings • Mounting possibility for expansion tank 25 ltr. • in combination with CEW-2-200 suitable for carcass heights from 2,50m to 2,75m • for fixing the wall units to the floor • Device distance to the floor max. 400mm • Mounting possibility for expansion tank 25 ltr. 			
	FLOOR BRACKET	BWL-1S[B]	2484747	292.00 H31
	For attaching the outdoor module, galvanised incl. 4 anti-vibration mounts, height 300mm			
	WALL MOUNTING BRACKET	BWL-1S[B]	2484749	339.00 H31
	For attaching the outdoor module, galvanised incl. 4 anti-vibration mounts			
	Note: Wall bracket only on walls with high basis weight (>250 kg/m²) can be used. Lightweight construction walls or stud construction are inadmissible.			



CPU-1-50 BUFFER CYLINDER

Wall-hanging or floor-standing buffer with heat insulation made of PU rigid foam. Operation as a separate or in-line storage tank possible.

Operating pressure: 3bar, capacity 50l
Connections: 4xG1" AG
Weight: 28kg
Dimensions: 360x790x356mm WxHxD

for product

Art. no.

€

DG

BWL-1S(B)
CHA-Monoblock

9146529

830.00

H45



CONNECTION KIT FOR SERIES CYLINDER

For installation of the CPU-1-50 to the right of the BWL-1S(B) indoor unit with integral overflow valve

CPU-1-50 (BWL-1S(B))
CPU-1-50 (CHA)

9146591
9147111

464.00
330.00

H46
H46



CONNECTION KIT FOR SEPARATING CYLINDER

For installation of the CPU-1-50 to the right of the BWL-1S(B) indoor unit

CPU-1-50 (BWL-1S(B))
CPU-1-50 (CHA)

9146592
9147112

237.00
149.00

H46
H46



CEW-2-200 DHW CYLINDER FOR HEATING CENTRE

- Can be stacked in combination with BWL-1S(B)-07/10/14 as a heating centre
- 75 mm rigid PUR foam thermal insulation for minimum radiation losses
- High efficiency smooth tube, dual indirect coil for convenient DHW heating
- Sacrificial anode accessible from front, cylinder with special enamel coating on inside
- Inspection and cleaning aperture for easy maintenance
- Boiler drain and fill valve and sensor well already fitted
- Five 1" Rp connections for DHW, cold water, DHW circulation, flow and return

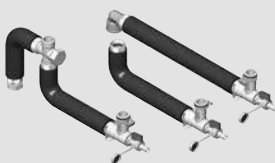
Weight: approx. 145 kg
Dimensions: 650 x 650 x 1250 mm (W x D x H)
Overall height of heating centre 28 mm
Operating pressure: 10 bar
Cylinder capacity: 180 l

BWL-1S(B)

9146188

2525.00

H45



CONNECTION KIT CEW-2-200 FOR HEATING CENTRE

To connect the indoor unit and cylinder

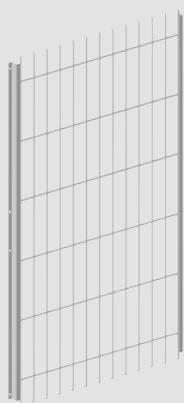
CEW-2-200

2071878

294.00

H46

Consisting of:
Push-fit appliance connections with drain and fill valve and corrugated stainless steel pipes with 1" male thread connection for expansion vessel



NEW

**PIPEWORK CASING FOR HEATING CENTRE**

With knock-outs for
connection on the left and right

for product

Art. no.

€

DG

CEW-2-200

9146189

116.00

H31

RETAINER FOR 25 L EXPANSION VESSEL

For fastening to the rear of the
indoor module

CEW-2-200

9146217

17.40

H31

PROTECTIVE GRILLE

To protect the evaporator

- Easy fastening
- Powder-coated in appliance colour

BWL-1S[B]-10/14

2485019

200.00

H31

BWL-1S[B]-05/07

2485039

200.00

H31

3-WAY DIVERTER VALVE

DN32, Rp 1 1/4", 24 V, complete

Consisting of:

Motor for 3-way diverter valve with 4 m
connecting cable, 24 VAC/SPST, 3-way mixer
DN32, Rp 1 1/4", Kvs 16

DN 32 Rp 1 1/4", 24V

BWL-1 / BWS-1 / BWW-1

9146530

181.00

H31

DN 32 Rp 1 1/4" 230V

CHA-Kaskade

9147610**385.00**

H31

DN 40 Rp 1 1/2" 230V

CHA-Kaskade

9147611**438.00**

H31

DN 50 Rp 2" 230V

CHA-Kaskade

9147612**476.00**

H31

3-WAY DIVERTER VALVE

Heating/cooling 230V
As an additional diverter valve, wired to 5 m
cable

BWL-1S[B]

2745446

155.00

H31

Connections 1" female thread, Kvs = 12

THREE-WAY SWITCHING VALVE

Heating / cooling 230 V
wired with cable as additional change-over valve
Connections 1", IG, kvs = 12

CHA, CGB-2-38/55

9146880

206.00

H31

WOLF

HEAT PUMP ACCESSORIES

	for product	Art. no.	€	DG
	2-WAY SHUT-OFF VALVE FOR COOLING OPERATION Optional for systems with realised cooling operation Protects the buffer tank from cold flow during cooling operation	Heizkessel, Wärmepumpen, CGB-35/50/-K-40-35	9146879	182.00 H31
	GRAVITY BRAKE / NON-RETURN VALVE Brass, for installation between appliance flow and low loss header with 2 female threaded connections 1". [Only in conjunction with KM cascade module]	boilers, Heat pumps, CGB-35/50/-K40-35	201122899	20.10 H40
	MICROBUBBLE SEPARATOR For removing nitrogen, oxygen and carbon dioxide from the heating system. 1¼" to 3.5 m³/h 1½" up to 5.4 m³/h		2070407 2072251	194.00 215.00 H40
	Note: Air separators and dirt traps in the heating circuit are a precondition for installation.			
	THERMAL INSULATION For microbubble separator 1¼" / 1½"		1669276	81.00 H40
	SLUDGE SEPARATOR To protect the unit and the high-efficiency pump from dirt / sludge and magnetite, a sludge separator with magnetite separator must be installed in the heating return. WOLF recommends a microbubble separator in the heating flow for effective removal of air bubbles and microbubbles. Incl. magnetite separator to protect the appliance and the high efficiency heating circuit pump from dirt/sludge and magnetite			
	1¼" up to 3,5m³/h 1½" up to 5.4 m³/h		2071879 2072246	277.00 298.00 H40
	Note: Please consider the correct installation position in the heating system. Notes can be found in the installation and operating instructions for the heat pump. For the CHA monobloc, a sludge and magnetite separator must be installed as a functionally necessary accessory.			
	THERMAL INSULATION 1¼" / 1½" For dirt trap Incl. magnetite separator 1¼" / 1½"		1669271	85.00 H40

WOLF

HEAT PUMP ACCESSORIES



SLUDGE SEPARATOR, ROTATABLE

- Rotatable version for flexible use on the construction site
- With extra powerful removable magnet
- Incl. sludge tap and removable

Lower part of housing for easy maintenance
To protect the unit and the high-efficiency pump from dirt / sludge and magnetite is a sludge separator with magnetite separator to be installed in the heating return flow.

For effective removal WOLF recommends of air and micro-bubbles a micro-bubble separator in the heating flow.

1¼" till 3,5m³/h
1½" bis 5,4m³/h

Art. no. € DG

2075009 376.00 H40
2075010 432.00 H40

Note: Bitte berücksichtigen Sie die richtige Einbauposition in das Heizsystem. Hinweise finden sich der Montage- und Bedienungsanleitung der Wärmepumpe.



THERMAL INSULATION

for sludge separator [rotatable] incl. magnetite separator

1¼"
1½"

1669603 85.00 H40
1669604 85.00 H40



REFRIGERANT LINES

Made from high quality copper pipe with thermal insulation; temperature resistance up to 120°C

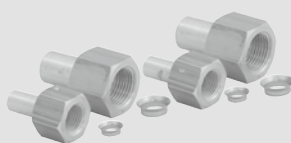
10x1mm (insulation thickness 9mm) 10m roll	BWL-1S(B)	2071803	211.00	H31
10x1mm (insulation thickness 9mm) 25m roll	BWL-1S(B)	2071805	384.00	H31
16x1mm (insulation thickness 10mm) 10m roll	BWL-1S(B)	2071804	231.00	H31
16x1mm (insulation thickness 10mm) 10m roll	BWL-1S(B)	2071806	535.00	H31
6x1mm and 12x1mm, 10m roll	BWL-1S(B)	2072479	323.00	H31
6x1mm and 12x1mm, 25m roll	BWL-1S(B)	2072480	665.00	H31



ADHESIVE TAPE FOR REFRIGERANT LINE

To cover components and joints in the refrigerant circuit, self-adhesive, width of roll 50mm, colour: white

BWL-1S(B) 9146477 40.90 H31



EURO FLANGED ADAPTOR CONNECTION KIT

For brazing on refrigerant lines

BWL-1S(B) 2484750 94.00 H31

Consisting of:
2 Euro adaptors 5/8" incl. 2 copper gaskets
2 Euro adaptors 7/8" incl. 2 copper gaskets



COPPER SEALING RING [5 PCE]

Substitute for Euro flanged adaptor

5/8" for 10x1mm refrigerant lines	BWL-1S(B)	2071873	15.50	H31
7/8" for 16x1mm refrigerant lines	BWL-1S(B)	2071874	23.10	H31

for product

Art. no.

€

DG



CONNECTION SET FOR REFRIGERANT LINES
for connecting refrigerant lines with flanged connections
consisting of:
1 double nipple each with 2 union nuts

Diameter: 6 + 12mm
Diameter: 10 + 16mm

BWL-1S(B)-05
BWL-1S(B)

2485246
2484705

58.00 H31
58.00 H31



DRAIN HEATER FOR CONDENSATE PAN
With integrated frost stat
For installation in the condensate pan of the outdoor module

BWL-1S(B)

9146214

222.00 H31



IMMERSION HEATER
For simple retrofitting to BWL-1SB
Fully wired

BWL-1SB

274546099

446.00 H31

6 kW



CEW-1-200 DHW CYLINDER
can be combined with BWS-1-06/08/10 as a central unit
can be combined with BWW-1-07/11 as a central unit
with CPM-1-70 as Hydrotower for BWL-1-08/10

BWL-1-08/10, BWS-1-06/08/10, BWW-1-07/10

9145460

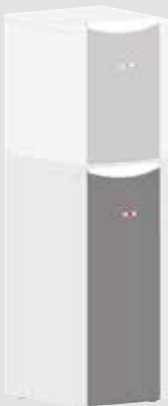
2220.00 H45

can be combined with heat insulation of PU hard foam, protective anode accessible from the front, specially enamelled, highly efficient smooth tube heat exchanger with double helix

Heat exchanger surface: 2,3m²
Operating pressure: 10bar
Memory capacity: 180Ltr.
Heating connections: G 1½"

weight: 147kg

Dimensions: 600 x 650 x 1290mm (W x D x H)



WOLF

HEAT PUMP ACCESSORIES



CPM-1-70 BUFFER CYLINDER

CPM-1-70 with CEW-1-200 can be combined as a hydrotower with thermal insulation made of PU rigid foam, operation as a separate storage tank or in-line storage possible, built-in high-efficiency pump (EEI < 0.23) and changeover valve for hot water preparation, incl. 4m connection cable to WPM-1, thermally insulated safety group

Operating pressure: 3bar
Contents: 70Ltr.
connections: G1½"
Weight: 62kg

Dimensions: 600 x 650 x 740mm (W x D x H)



CPM-1-70/7 [7 m pump]
CPM-1-70/8 [8 m pump]

BWL-1-08/10
BWL-1-12

9145458
9145459

2000.00
2335.00

H45
H45



HOSE CONNECTION KIT

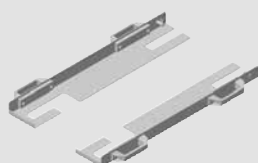
suitable for hydraulic connection for CEW-1-200 and BWS-1-6/8/10 or BWB-1-07/11 as central unit or CEW-1-200 and CPU-1-70 as Hydrotower. Insulated corrugated stainless steel hoses with screwed union flat sealing 2 x G1½", L = 1400/1950mm

BWL-1 / BWS-1 / BWB-1

2484095

173.00

H31



LIFTING GEAR

Lifting gear for the BWS-1 and the CPM-1. Can be used to lift BWS-1 and CPM-1 onto the CEW cylinder.

BWS-1 / CPM-1-70

9145566

132.00

H31



LIFTING SLINGS

4 belts

BWL-1 / BWB-1

2444144

77.00

H40

with snap hook



FLANGE PLATE DN110

With connection 1½"
For electric booster heater E2 or E4.5

CEW-1-200 / CEW-2-200
[only 2,0kW]
SEW-1-300/400
SEM-1W-360

2483991

77.00

H46

THERMOMETER

SEW-1-300/400, SEM-1W-360

2039052

27.60

H41



VERROHRUNGSGRUPPE HEIZKREIS DN32

bestehend aus:

Hocheffizienzpumpe [EEI < 0,20] selbstregelnd, mit Kabel steckerfertig verdrahtet, Kugelhähne mit Thermometer in Vor- und Rücklauf, Schwerkraftbremse ohne Überströmventil Design-Wärmedämmschalen aus EPP, Gruppe komplett montiert, hydraulisch und elektrisch geprüft

Abmessungen HxBxT: 384x250x260

DN32:

Anschluss unten flachd. 1½"
oben IG1 1¼" Übergangverschraubung
Δp=150 mbar bei V=3100 l/h
bei Δt 10K bis 36kW,
bei Δt 15K bis 54kW
bei Δt 20K bis 72kW

Note: Flow can be easily switched from left to right.
No additional wall retainer required for installation on a manifold.

Art. no.	€	DG
2072136	895.00	H40



VERROHRUNGSGRUPPE MISCHERKREIS DN32

bestehend aus:

Hocheffizienzpumpe [EEI < 0,20] selbstregelnd, montierter Mischermotor, beides mit Kabel steckerfertig verdrahtet, tropfdicht bei Nullstellung, Kugelhähne mit Thermometer in Vor- und Rücklauf, Schwerkraftbremse ohne Überströmventil Design-Wärmedämmschalen aus EPP, Gruppe komplett montiert, hydraulisch und elektrisch geprüft

Abmessungen HxBxT: 384x250x260

DN32:

3-Wege-Messing-Mischer kvs=18
Anschluss unten flachd. 1½"
oben IG1 1¼" Übergangverschraubung
Δp=150 mbar bei V=3000 l/h
bei Δt 10K bis 35kW
bei Δt 15K bis 52kW
bei Δt 20K bis 70kW

Note: Flow can be easily switched from left to right.
No additional wall retainer required for installation on a manifold.

MM-2 mixer module can be integrated.

2072140	1230.00	H40
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DIRT TRAP 1½"

For the installation in the heating and brine return circuit, casing made of brass, screen made of stainless steel

Note: Essential to protect the heat pump.

BWS-1	2484398	56.00	H31
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WOLF

HEAT PUMP ACCESSORIES



HIGH EFFICIENCY PUMP [EEI < 0.23]
Connection G 1½"; installed length 180mm
With push-fit thermal insulation
Mains cable with Molex plug (length 4 m) and
connecting cable for controller with plug
(length 4 m)

Wilo Yonos Para 25/7.5
Wilo Stratos Para 25/1-8

for product

Art. no.

€

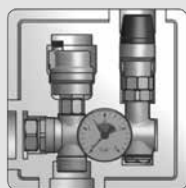
DG

BWL-1-08/10
BWL-1-12/14

9145462
9145463

307.00 H31
645.00 H31

Note: Included in the standard delivery of the
CPM-1-70 buffer cylinder.



SAFETY ASSEMBLY
Small distributor with ¾" connection for expansion
vessel, for sealed unvented hot water heating
systems

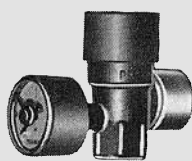
Consisting of:
Safety valve with 3 bar response pressure,
pressure gauge, automatic air vent valve with
automatic shut-off, fully assembled with diffusion-
proof thermal insulation

Note: Included in the standard delivery of the
CPM-1-70 buffer cylinder.

BWL-1

2071383

85.00 H31



SAFETY VALVE WITH PRESSURE GAUGE
3 bar response pressure for sealed unvented
hot water heating systems up to 50 kW, connection
½" female thread, discharge ¾" female thread, pressure gauge
display range 0-4 bar

BWL-1

240046599

51.00 H40



THREADED ADAPTOR FITTING
Freely combinable, 1x flat gasket flange with
1½" union nut and 1x with 1¾" male thread. [1
set = 2 pcs]

BWS-1 / BWW-1, all boilers

2012086

28.70 H40



AUTOMATIC AIR VENT VALVE
With automatic shut-off, connection ½"
male thread

All boilers, all heat
pumps

2400486

11.00 H40



**DIFFERENTIAL PRESSURE OVERFLOW VALVE,
RIGHT ANGLE VERSION 1"**
DN25 1" female thread - 1 1/4" male thread

heat pumps

2072388

158.00 H31

Incl. threaded connection
Setting range: 50-500 mbar



EXPANSION VESSELS
For heating systems
1.5 bar pre-charge pressure, 90°C flow temperature

25 l for heating systems up to 235 l
35 l for heating systems up to 320 l
50 l for heating systems up to 470 l
80 l for heating systems up to 750 l
100 l for heating systems up to 850 l
140 l for heating systems up to 1210 l
200 l Sizing according to heating system

2400450 **83.00** H40
2400455 **91.00** H40
2400458 **118.00** H40
2400462 **161.00** H40
2400470 **317.00** H40
2400471 **376.00** H40
2400472 **452.00** H40

Art. no. € DG



CONNECTION KIT FOR EXPANSION VESSEL

Consisting of: flexible corrugated stainless steel pipe (1 m long), threaded adaptors suitable for heat generator and expansion vessel.

Additionally with cap valve 1" - from 80 l

2012081

190.00

H40

Additionally with cap valve 3/4" - 25-50 l

2012080

135.00

H40



3-WAY MIXER

DN20, Kvs 6.3

2744673

79.00

H40

DN25, Kvs 10

2744674

85.00

H40

DN32, Kvs 16

2744675

90.00

H40

DN40, Kvs 25

2744676

129.00

H40

DN50, Kvs 40

2744677

132.00

H40

4-WAY MIXER

DN20, kvs 6,3

8908809

97.00

H40

DN25, kvs 10

8908810

102.00

H40

DN32, kvs 16

8908811

109.00

H40

DN40, kvs 25

8908812

140.00

H40

DN50, kvs 40

8908813

167.00

H40



MIXER MOTOR 230 V~/50 HZ, 6 NM

For 3-way mixing valve and 4-way mixing valve, fully wired, 120 sec, 90° DN20 - DN50

All boilers, gas heaters, BWL-1/BWS-1/BWW-1

2269715

261.00

H40



HOSE CONNECTION KIT

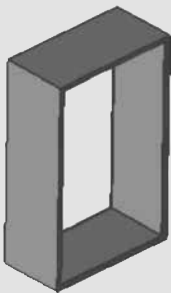
Suitable for hydraulic connection. Corrugated stainless steel hoses with union nut fittings, flat gasket 2 x G1 1/2", L = 1000mm

BWL-1 / BWS-1 / BWW-1

2484112

132.00

H31



STRAIGHT AIR DUCT

For air intake directly at the unit, made from glass fibre reinforced concrete (GFRC) with internal insulation of mineral wool, covered with glass fibre mat, thermal and sound insulation, moisture-resistant

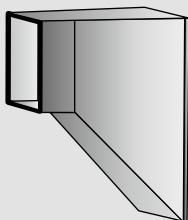
BWL-1

2483982

298.00

H31

1320 x 825 mm, L = 440mm, weight 19 kg



AIR DUCT, INTAKE REDUCER

FROM 1320 X 825 MM TO 600 X 600 MM,

For air intake directly at the unit, made from glass fibre reinforced concrete (GFRC) with internal insulation of mineral wool, covered with glass fibre mat, thermal and sound insulation, moisture-resistant, with guiding device for air routing

BWL-1

2484094

840.00

H31

L = 985 mm, weight 25 kg

WOLF

HEAT PUMP ACCESSORIES



AIR DUCT SEALING TAPE KIT

For complete sealing of the air intake and discharge of a heat pump

Consisting of:
One set of sealing tape for the front and one for the circumference

for product

Art. no.

€

DG

BWL-1

2484052

75.00

H31



FLEXIBLE AIR DUCT With thermal and sound insulation

For connection to the heat pump air discharge DN 630 mm with approx. 30 mm thermal insulation. Integral vapour barrier suitable for the temperature range -20 °C to +40 °C. Fire protection to DIN 412-B2, or M1

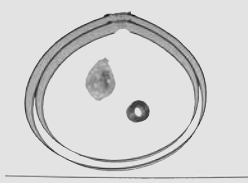
Length 3 m

BWL-1

2483900

590.00

H31



CONNECTION KIT FOR FLEXIBLE AIR DUCT

For connection to the air discharge of the heat pump for joining and fixing, required if the length of the flexible air duct is > 1 m.

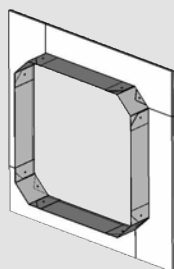
Consisting of:
2 fastening tapes, 2 threaded rods M8 (length 1 m), duct tape 50 mm wide, plus fixing and installation material

BWL-1

2484089

120.00

H31



FLEXIBLE AIR DUCT CONNECTING FRAME

For on-site connection to a wall outlet incl. fixing materials

BWL-1

9145470

64.00

H31



90° AIR DUCT BEND, DN 600 X 600 MM

For air discharge, made from glass fibre reinforced concrete (GFRC) with internal insulation of mineral wool, covered with glass fibre mat, thermal and sound insulation, moisture-resistant

L x W = 1150 x 750 mm, weight 20 kg

Note: For air intake, only possible in combination with intake reducer [art.-no. 2484094].

BWL-1

2483979

690.00

H31



STRAIGHT AIR DUCT 600 X 600 MM

For air discharge, made from glass fibre reinforced concrete (GFRC) with internal insulation of mineral wool, covered with glass fibre mat, thermal and sound insulation, moisture-resistant

L = 625mm, Gewicht 15kg

L = 1250 mm, weight 28 kg

BWL-1

2483980

212.00

H31

BWL-1

2483981

425.00

H31

Note: For air intake, only possible in combination with intake reducer [art.-no. 2484094].

WOLF

HEAT PUMP ACCESSORIES



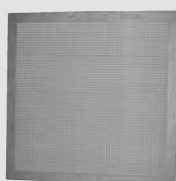
AIR DUCT CONNECTOR (PLASTER TAPE)
For connecting and affixing
glass fibre reinforced concrete ducts (GFRC
ducts),
W = 100mm - 10rolls

Art. no.	€	DG
2484053	87.00	H31



AIR DUCT END FRAME 600 X 600 MM
For ducts shortened on site

BWL-1	2483983	30.70	H31
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AIR DUCT PROTECTIVE GRILLE 710 X 710 MM
When installing the appliance below ground level
Mesh width 12.7 mm, holes 4 x 8 mm

BWL-1	2483265	86.00	H31
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WEATHERPROOFING AND PROTECTIVE GRILLE
When installing the appliance above ground level

600 x 600 mm for the discharge side	BWL-1-08/10/12/14	2484233	342.00	H31
for the intake side with reducer				
1320 x 825 mm for the intake side without reducer	BWL-1-08/10/12/14	2484255	494.00	H31



BRINE CONCENTRATE
For the brine circuit based on monoethylene glycol with high heat absorption capacity and effective anti-corrosion materials.

Before filling the system, the concentrate must be mixed with water in a ratio of 1:3.

Content: 3 l / weight: 3.4 kg	BWW-1	2484552	27.40	H31
Content: 20 l / weight: 23 kg	BWS-1	2483422	184.00	H31



BRINE EXPANSION VESSELS
With fixing materials for wall mounting up to 50 l; 2.5 bar pre-charge pressure

12 ltrs.	BWS-1	2444210	73.00	H21
18 ltrs.	BWS-1	2444211	91.00	H21



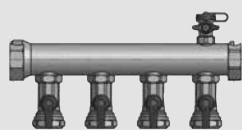
CONNECTION KIT FOR EXPANSION VESSEL
For solar and brine up to 25 l

Consisting of:
Flexible hose (900mm long), cap valve, wall clip

2483076	62.00	H21
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WOLF

HEAT PUMP ACCESSORIES



BRINE MANIFOLD

Consisting of:
Header for flow and return 2" (female thread),
ball valves, one drain and fill valve in the flow
and one in the return, gaskets

Collector connections: Locking ring fitting for
PE pipe with DN32 external diameter

**Brine distributor brass 3-fold up to 6 kW (PE
32x2.9)**

BWS-1-06

2483892

458.00

H31

**Brine distributor brass 4-fold up to 9 kW (PE
32x2.9)**

BWS-1-08

2483893

590.00

H31

**Brine distributor brass 6-fold up to 12 kW (PE
32x2.9)**

BWS-1-10/12

2483894

810.00

H31

**Brine distributor brass 8-fold up to 16 kW (PE
32x2.9)**

BWS-1-12/16

2483899

1040.00

H31



HYDRONIC BALANCING VALVE

For the well circuit

DN 25, 10 - 40 l/min

2070934

264.00

L50

DN 32, 20 - 70 l/min

2070935

326.00

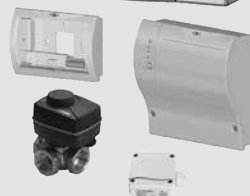
L50

DN 40, 30 - 120 l/min

2070936

430.00

L50



BKM COOLING MODULE KIT FOR PASSIVE COOLING

Pre-assembled unit consisting of thermally insulated plate heat exchanger and hydraulics, 3-way mixer, wall retainer, ABS casing, fixing kit and flow temperature sensor.

Depth: 188 mm

Height: 401 mm

Width: 498 mm

Weight: 15 kg

Incl. wall mounting base for BM programming unit, MM mixer module, 3-way diverter valve and one dew point monitor for pipe installation

BWS-1 / BWV-1

9146073

3170.00

H31



DEW POINT MONITOR KIT

For connection of
max. 3 dew point monitors

Consisting of:

1 dew point monitor and 1 distributor box

BWL-1S[B]

9146213

499.00

H46

TAUPUNKTWÄCHTER

- Dew point monitoring of each individual mixer circuit
- Avoidance of condensation
- For connection directly to KM-2 or MM-2
- Or connection to indoor module CHA-Monoblock or BWL-1S[B]
- Compatible with cooling module BKM or dew point monitor set
- Setting range: 80 - 100% r.H.

CHA-Monoblock, BWL-1S[B], BWS-1, BWV-1, BWL-1-I

9147290

377.00

H46

WOLF

HEAT PUMP ACCESSORIES

	for product	Art. no.	€	DG
	INSULATED DUCT Length 2000 mm	unit size (F/T-)300, unit size 325 SWP	2577362	77.00 H36
	DN 160			
	INSULATED DUCT 90° BEND	unit size (F/T-)300, unit size 325 SWP	2577363	27.50 H36
	DN 160			
	INSULATED DUCT 45° BEND	unit size (F/T-)300, unit size 325 SWP	2577364	20.50 H36
	DN 160			
	LOCKING RING FOR INSULATED DUCT One locking ring is required for each connection	ISO pipe	2577365	8.50 H36
	DN 160			
	FASTENING CLIP FOR INSULATED DUCT	ISO pipe	2577405	7.40 H36
	DN 160			
	WALL HOOD	unit size (F/T-)300, unit size 325 SWP	2575807	104.00 H36
	DN 160, black (RAL 9005)			
	WALL HOOD	unit size (F/T-)300, unit size 325 SWP	2575810	104.00 H36
	DN 160, white (RAL 9010)			

WOLF

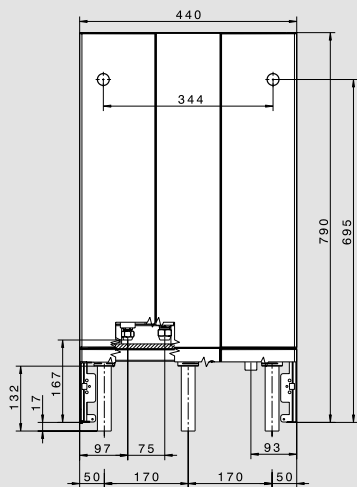
TECHNICAL DATA

AIR/WATER HEAT PUMP

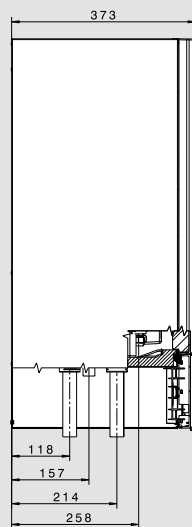
CHA -07/400V

CHA -10/400V

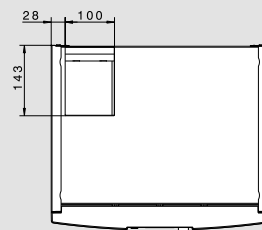
indoor module
front view



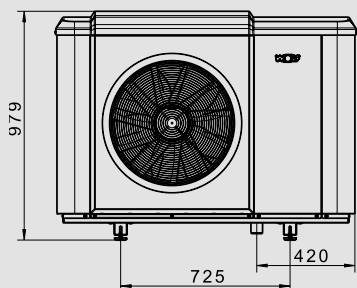
indoor module
side view



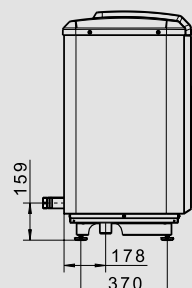
indoor module
plan



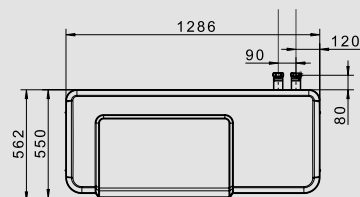
Outdoor module CHA
front view



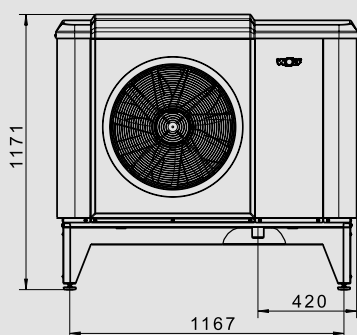
Outdoor module CHA
side view



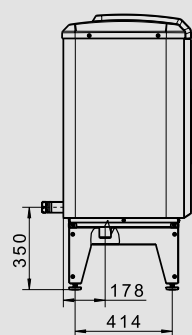
Outdoor module CHA
plan view



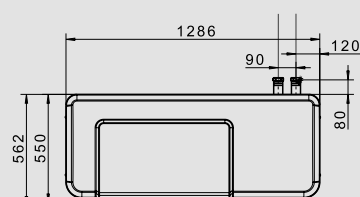
Outdoor module CHA with bottom cosole
front view



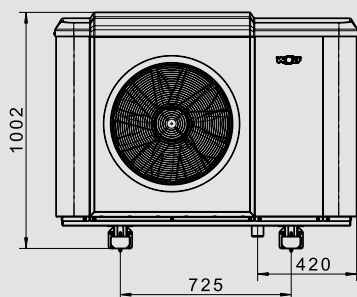
Outdoor module CHA with floor console
side view



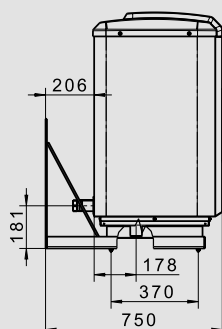
Outdoor module CHA with floor console
plan view



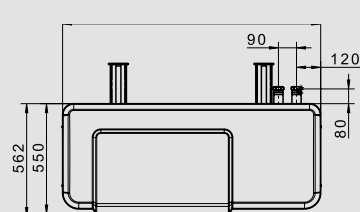
Outdoor module CHA with wall bracket
front view



Outdoor module CHA with wall bracket
side view



Outdoor module CHA with wall bracket
plan view



TYP	CHA	07 / 400V	10 / 400V
Width x height x depth outdoor unit	mm	1.286 x 979 x 562	1.286 x 979 x 562
width x height x depth indoor unit	mm	440 x 790 x 340	440 x 790 x 340
Weight of outdoor unit	kg	152	162
Weight indoor unit	kg	27	27
refrigerant circuit			
Refrigerant type / GWP - / -	- / -	R290 / 3	R290 / 3
Filling quantity / CO2 eq kg / t	kg / t	3,1 / 0,009	3,4 / 0,010
refrigerator oil		PZ46M	PZ46M
Filling quantity refrigerating machine oil ml	ml	900	900
Compressor - Type / Quantity		Scroll / 1	Scroll / 1
Heating capacity / COP			
A2/W35 Nominal power according to EN14511	kW / -	5,15 / 4,54	5,75 / 4,65
A7/W35 Nominal power according to EN14511	kW / -	4,50 / 5,47	4,10 / 5,72
A10/W35 Nominal power according to EN14511	kW / -	2,97 / 5,88	3,75 / 6,05
A-7/W35 Nominal power according to EN 14511	kW / -	5,88 / 2,73	7,95 / 2,88
Power range with			
A2/W35	kW	1,9 - 7,0	3,0-10,0
A7/W35	kW	2,2 - 7,0	3,5-10,0
A-7/W35	kW	1,6 - 6,8	2,2-9,8
Cooling capacity / EER			
A35/W18 Nominal power according to EN14511	kW / -	5,01 / 5,83	6,01 / 5,92
A35/W7 Nominal power according to EN14511	kW / -	3,43 / 3,86	4,81 / 4,04
Power range with A35/W18	kW / -	2,3 - 7,0	4,3 - 10,0
Power range at A35/W7	kW / -	1,9 - 6,5	3,1 - 8,3
Sound outdoor unit A7/W55 (based on EN 12102/EN ISO 9614-2)			
Sound power level at rated thermal output [ErP]	dB[A]	52	53
Sound power level Day max.	dB[A]	58	60
Sound power level in reduced night operation	dB[A]	49	51
Sound pressure level in reduced night operation (at a distance of 3 m, free-standing)	dB[A]	32	34
application limits			
Temperature Operating limits			
heating mode	°C	+15 till +70	+15 till +70
cooling mode	°C	+7 till +30	+7 till +30
maximum heating water temperature with electric heating element	°C	75	75
Temperature Operating limits Air			
heating mode	°C	-22 till +40	-22 till +40
cooling mode	°C	+10 till +45	+10 till +45
heating water			
Minimum volume flow for defrosting	l/min	22	25
Residual delivery head with minimum volume flow for defrosting	mbar	610	530
maximum operating pressure	bar	3	3
heat source			
Air volume flow at rated operating point	m³ / h	3300	3500
ports			
Indoor unit: flow from outdoor unit, heating flow, WW flow mm		28x1	28x1
Outdoor unit: Flow, return flow	G[IG]	1 1/4" IG	5/4" IG
Condensate water connection	DN	50	50
Electrical outdoor unit [ODU]			
Control [ODU]			
Electrical connection		1~NPE, 230VAC, 50Hz / 16A(B)	1~NPE, 230VAC, 50Hz / 16A(B)
Max. Current consumption A	A	2,8	2,8
Inverter [ODU]			
Electrical connection		see electrics indoor unit (IDU)	see electrics indoor unit (IDU)
Max. Power consumption Standby W	W	13	13
Max. Compressor power consumption 2) within operating limits kW	kW	4,8	5,75
Max. Compressor flow within application limits A	A	8	9,5
Max. Number of compressor starts per hour 1/h	1/h	6	6
degree of protection		IP 24	IP 24
Indoor Electrical Unit [IDU]			
Control [IDU]			
Electrical connection		1~NPE, 230VAC, 50Hz / 16A(B)	1~NPE, 230VAC, 50Hz / 16A(B)
Max. Current consumption A	A	6,5	6,5
Inverter [ODU] + Electric heater [IDU]			
Electrical connection		3~NPE, 400VAC, 50Hz / 20A(B)	3~NPE, 400VAC, 50Hz / 20A(B)
Max. Power consumption E-Heating kW	kW	9	9
Max. Power consumption heating circuit pump W	W	3 - 75	3 - 75
Max. Power consumption Standby W	W	2	2
Max. Current consumption of electric heater [9 kW] A	A	13 [400VAC]	13 [400VAC]
Max. Power consumption			
degree of protection		IP 20	IP 21

The above mentioned prices
are without obligation and without VAT.

WOLF HEAT PUMPS

WOLF

TECHNICAL DATA

AIR/WATER HEAT PUMP

BWL-1S[B]-05/230V

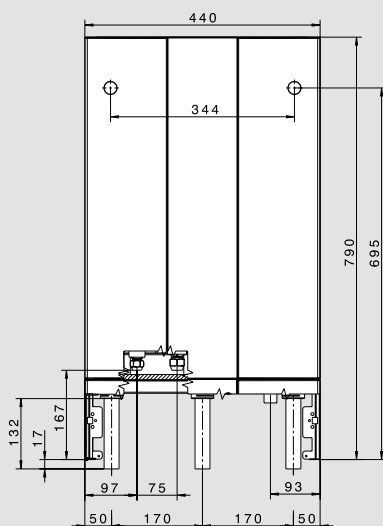
BWL-1S[B]-07/230V

BWL-1S[B]-10/400V

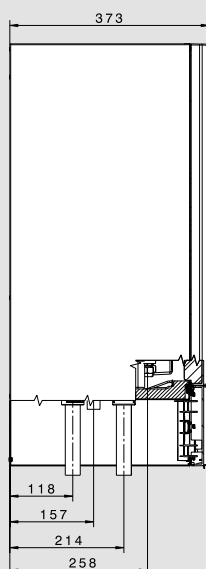
BWL-1S[B]-14/400V

BWL-1S[B]-16/400V

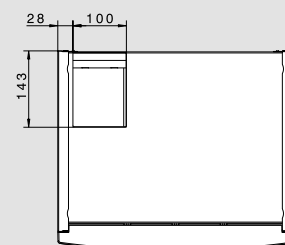
Indoor module
Front view



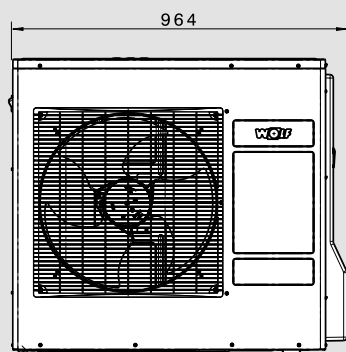
Indoor module
Side view



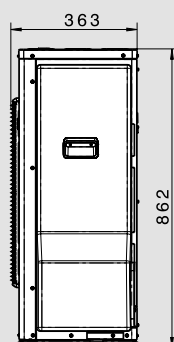
Indoor module
Plan view



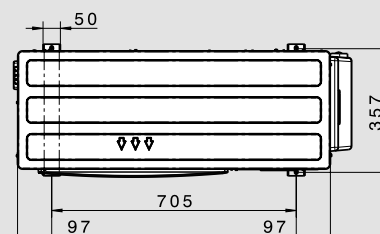
Outdoor module BWL-1S[B]-05/07
front view



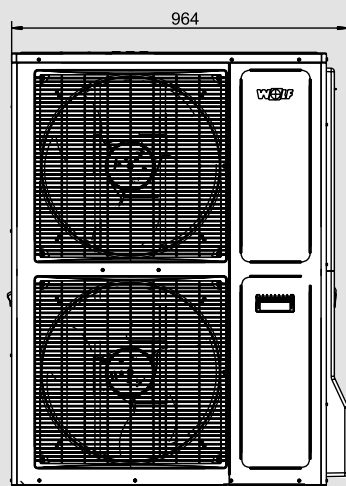
Outdoor module BWL-1S[B]-07
Side view



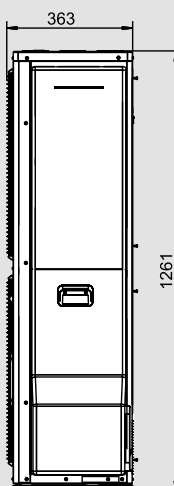
Outdoor module BWL-1S[B]
Plan view



Outdoor module BWL-1S[B]-10 / BWL-
1S[B]-14
Front view



Outdoor module BWL-1S[B]-10 / BWL-
1S[B]-14
Side view



WOLF HEAT PUMPS

The above mentioned prices
are without obligation and without VAT.

TYP	BWL-1S[B]	05/230V	07/230V	10/400V	14/400V	16/400V
Width x height x depth outdoor unit (incl. feet, incl. front doors)	mm	964 x 1261 x 363	964 x 1261 x 363	964 x 1261 x 363	964 x 1261 x 363	964 x 1261 x 363
(incl. feet, incl. front doors)	mm	440 x 790 x 340	440 x 790 x 340	440 x 790 x 340	440 x 790 x 340	440 x 790 x 340
width x height x depth indoor unit	kg	66 / 33	66 / 33	110 / 33	110 / 35	110 / 37
Weight of outdoor unit / indoor unit	kg	66 / 33	66 / 33	110 / 33	110 / 35	110 / 37
refrigerant circuit				33		
Refrigerant type / GWP	kg / t	R410A / 2088	R410A / 2088	R410A / 2088	R410A / 2088	R410A / 2088
Filling quantity / CO2eq		2,15 / 4,49	2,15 / 4,49	2,95 / 6,16	2,95 / 6,16	3,5 / 7,31
Maximum refrigerant line length	m	25	25	25	25	25
Refill refrigerant quantity	g/m	60	60	60	60	60
with cable length >12m - 25m	- / ml	FV68S/650	FV68S / 650	POE / 1100	POE / 1100	POE / 1100
Compressor - Type		rolling piston	rolling piston	double rolling piston	double rolling piston	double rolling piston
maximum operating pressure	bar	43	43	43	43	43
Heating capacity / COP according to EN14511						
A2/W35 Nominal power	kW / -	3,4 / 3,7	5,0 / 3,5	7,6 / 3,8	8,8 / 3,8	11,0 / 3,3
A7/W35 Nominal power	kW / -	5,2 / 4,9	7,3 / 4,8	10,2 / 4,8	12,1 / 4,8	13,8 / 3,6
A-7/W35 Max. Power	kW / -	5,1 / 2,9	6,2 / 2,7	8,1 / 2,7	8,7 / 2,7	10,9 / 2,4
Power range at A2/W35	kW	1,9 - 6,6	1,9 - 8,8	2,9 - 10,6	3,1 - 12,4	3,5 - 12,2
Cooling capacity / EER according to EN14511						
A35/W7 Nominal power	kW / -	4,5 / 2,5	7,6 / 2,7	8,8 / 2,7	10,7 / 2,5	11,7 / 2,1
A35/W18 Nominal power	kW / -	6,1 / 3,5	9,0 / 3,8	8,7 / 4,1	12,0 / 3,4	13,0 / 2,5
Compressor capacity range at A35/W18	kW	1,6 - 6,9	2,9 - 9,6	3,1 - 11,0	3,2 - 13,2	4,5 - 14,3
Schall outdoor unit						
sound power level						
(according to EN 12102/EN ISO 9614-2)	dB(A)	59	61	61	63	64
at A7/W55 at rated heat output						
max. sound power level	dB(A)	61	63	64	65	66
max. sound power level	dB(A)	56	56	57	57	57
with reduced after-operation						
application limits						
Temperature Operating limits Heating operation	°C			+20 till +55		
Temperature Operating limits Cooling mode	°C			+7 till +20		
maximum heating water temperature	°C			75		
with electric heater						
Temperature Operating limits Air Heating min/max	°C			-20 / +35		
Temperature Operating limits Air Cooling min/max	°C			+10 / +45		
heating water						
minimum volume flow	l / min	15	15	21	25	25
Water volume flow nominal [5K]	l / min	16	19,7	28,8	34,1	40,2
Maximum water volume flow [4K]	l / min	24,7	24,7	36	42,7	49,2
Pressure loss heat pump at nominal [5K]	mbar	54	78	121	141	194
Residual delivery head with nominal	mbar	540	490	550	460	310
water volume flow						
maximum operating pressure	bar	3	3	3	3	3
heat source						
Air volume flow at rated operating point	m³ / h	2600	2600	3500	4200	4200
ports						
Connection HZ flow / return / hot water flow	mm			28x1		
Refrigerant pipe connection	UNF	7/16 + 3/4	5/8 + 7/8	5/8 + 7/8	5/8 + 7/8	5/8 + 7/8
Dimension refrigerant lines	mm	6x1 + 12x1	10x1 + 16x1	10x1 + 16x1	10x1 + 16x1	10x1 + 16x1
Dimension condensate water pipe	mm	16	16	16	16	16
external unit						
Electrical outdoor unit						
Mains connection / fuse protection Outdoor unit		1~NPE, 230VAC, 50Hz / 20A[C]	1~NPE, 230VAC, 50Hz / 20A[C]	3~NPE, 400VAC, 50Hz / 20A[C]	3~NPE, 400VAC, 50Hz / 20A[C]	3~NPE, 400VAC, 50Hz / 20A[C]
max. power consumption fans	W	57	57	70	102	102
Power consumption Standby	W	9	9	21	21	21
max. compressor power consumption within the operating limits	kW	3,6	3,6	5	6,3	6,3
max. compressor flow within the application limits	A	16	16	8	10	10
Starting current Compressor	A	10	10	10	10	10
Starting current Compressor with blocked rotor	A	25	25	16	16	16
Inrush current [charging of DC capacitors]	A	35	35	30	30	30
Protection class outdoor unit		IP 24	IP 24	IP 24	IP 24	IP 24
Maximum number of compressor starts per hour	1/h	6	6	6	6	6

WOLF

TECHNICAL DATA

TYP	BWL-1S[B]	05/230V	07/230V	10/400V	14/400V	16/400V
Electrical indoor unit		optional 3~PE, 400VAC, 50Hz / 16A[B] or 1~NPE, 230VAC, 50Hz / 32A[B]				
Mains connection / Fuse protection Heating element		1~NPE, 230VAC, 50Hz / 16A[B]				
Mains connection / fuse protection Control voltage		2 / 4 / 6 or 3 / 6 / 9				
Power consumption electric heater	kW					
Pump power consumption	W	3 - 45	3 - 45	3-75	3-75	3-75
Power consumption Standby	W	5				
Maximum current consumption of electric heater [6 kW]1)	A	8,7 [400VAC] / 26,1 [230VAC]				
Protection class indoor unit		IP 20				

1) For BWL-1SB as accessory

AIR/WATER HEAT PUMP

BWL-1SB-14/230

BWL-1SB-10/230

TYP	BWL-1S[B]	10/230V	14/230V
Width x height x depth outdoor unit (incl. feet, incl. front doors)	mm	964 x 1261 x 363	964 x 1261 x 363
width x height x depth indoor unit (incl. feet, incl. front doors)	mm	440 x 790 x 340	440 x 790 x 340
Weight of outdoor unit / indoor unit	kg	110 / 30	110 / 32
refrigerant circuit			
Refrigerant type / GWP	- / -	R410A / 2088	R410A / 2088
Filling quantity / CO2 eq	kg / t	2,95 / 6,16	2,95 / 6,16
Maximum refrigerant line length	m	25	25
Refill refrigerant quantity with cable length >12m - 25m	g/m	60	60
refrigerant oil		FV50S	FV50S
Filling quantity refrigerant oil	ml	1700	1700
Compressor - Type		Scroll	
maximum operating pressure	bar	43	43
Heating capacity / COP according to EN14511			
A2/W35 Nominal power	kW / -	7,7 / 3,5	9,6 / 3,3
A7/W35 Nominal power	kW / -	11,1 / 4,7	14,1 / 4,3
A-7/W35 Max. Power	kW / -	7,7 / 2,5	9,5 / 2,5
Power range at A2/W35	kW	3,6 - 9,5	3,6 - 10,9
Cooling capacity / EER according to EN14511			
A35/W7 Nominal power	kW / -	6,6 / 2,7	8,2 / 2,5
A35/W18 Nominal power	kW / -	8,5 / 3,4	10,1 / 2,9
Compressor capacity range at A35/W18	kW	4,9 - 11,2	4,9 - 12,9
Schall outdoor unit			
sound power level (based on EN 12102/ENISO 9614-2)	dB[A]	63	63
at A7/W55 at rated heat output			
max. sound power level	dB[A]	65	64
max. sound power level with reduced post-operation	dB[A]	58	58
application limits			
Temperature Operating limits Heating operation	°C	+20 till +55	+20 till +55
Temperature Operating limits Cooling mode	°C	+7 till +20	+7 till +20
maximum heating water temperature with additional electric heating	°C	75	75
Temperature Operating limits	°C		
Air Heating min/max		-15 / +35	-15 / +35
Temperature Operating limits	°C		
Air Cooling min/max		+10 / +45	+10 / +45
heating water			
minimum volume flow	l / min	21	25
Water volume flow nominal [5K]	l / min	31,8	40,4
Maximum water volume flow [4K]	l / min	39,8	50,6
Pressure loss heat pump at nominal [5K]	mbar	126	175
Residual delivery head with nominal water volume flow	mbar	530	340
maximum operating pressure	bar	3	3

TYP	BWL-1S(B)	10/230V	14/230V
heat source			
Air volume flow at rated operating point	m ³ / h	3800	3800
ports			
Connection heating flow / return /			
Hot water flow	mm	28x1	28x1
Refrigerant pipe connection	UNF	5/8 + 7/8	5/8 + 7/8
Dimension refrigerant lines	mm	10x1 + 16x1	10x1 + 16x1
Dimension condensate water pipe	mm	16	16
external unit			
Electrical outdoor unit		1~NPE, 230VAC, 50Hz / 25A [C]	
Mains connection / fuse protection Outdoor unit		21	21
Power consumption Standby		2,28 / 10,1 / 0,98	3,27 / 14,5 / 0,98
Power / Current / cosp at A7/W35		5,4 / 24 / 0,92	6,4 / 28 / 0,92
max. power consumption compressor current / cosp			
within the operational limits			
Starting current Compressor	A	10	10
Starting current Compressor with blocked rotor	A	25	32
Inrush current (charging of DC capacitors)	A	30	30
Protection class outdoor unit		IP 24	IP 24
Maximum number of compressor starts per hour	1/h	6	6
Electrical indoor unit			
Mains connection / Fuse protection Heating element ¹⁾		optional 3~PE, 400VAC, 50Hz / 16A(B) or 1~NPE, 230VAC, 50Hz / 32A(B)	
Mains connection / fuse protection Control voltage		1~NPE, 230VAC, 50Hz / 16A(B)	
Power consumption electric heater ¹⁾	kW	2 / 4 / 6 or 3 / 6 / 9	
Pump power consumption	W	3 - 75	3 - 75
Power consumption Standby	W	5	5
Maximum current consumption of electric heater (6 kW) ¹⁾	A	8,7 (400VAC) / 26,1 (230VAC)	
Protection class indoor unit		IP 20	

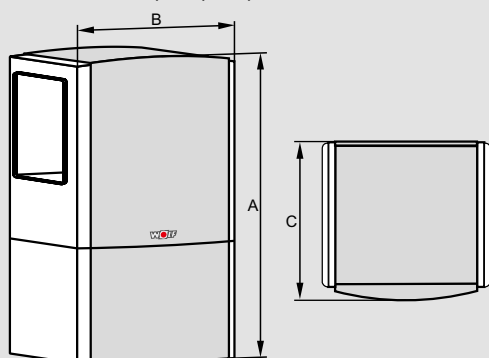
¹⁾ For BWL-1SB as accessory

WOLF

TECHNICAL DATA

AIR/WATER HEAT PUMP

BWL-1-I-08/10/12/14



BWL-1-I

TYP	BWL-1	08-I	10-I	12-I	14-I
Heating capacity / COP according to EN14511					
A2/W35	kW / -	8,4 / 3,8	9,6 / 3,7	11,7 / 3,7	13,5 / 3,6
A7/W35	kW / -	8,7 / 4,5	9,8 / 4,4	11,9 / 4,3	13,6 / 4,2
A7/W45	kW / -	10,4 / 3,7	11,7 / 3,6	14,4 / 3,5	13,0 / 3,3
A10/W35	kW / -	9,9 / 4,7	11,1 / 4,6	13,8 / 4,5	13,7 / 4,5
A-7/W35	kW / -	7,5 / 3,3	8,5 / 3,2	10,4 / 3,1	11,3 / 3,0
overall height	A mm	1665	1665	1665	1665
overall width	B mm	985	985	985	985
overall depth	C mm	810	810	810	810
Heating flow / heating return / connection	G [IG]	1½"	1½"	1½"	1½"
Free cross-section air ducts	mm	550 x 550	550 x 550	550 x 550	550 x 550
sound power level	dB[A]	50	50	52	55
Sound pressure level inside at 1m distance averaged around the heat pump (in the installation room)	dB[A]	46	46	48	50
Maximum operating pressure heating circuit	bar	3	3	3	3
Temperature Operating limits Heating water	°C	+20 till +63	+20 till +63	+20 till +63	+20 till +63
Max. temperature of heating water at -7° outside temp.	°C	55	55	55	55
Temperature Operating limits Air °C	°C	-25 till +40	-25 till +40	-25 till +40	-25 till +40
Refrigerant type / GWP (refrigerant circuit hermetically sealed)	- / -	R407C / 1774	R407C / 1774	R407C / 1774	R407C / 1774
Filling quantity / CO2eq	kg / t	3,4/6,03	4,4/7,81	4,5/7,98	5,1/9,05
Maximum operating pressure refrigerant circuit	bar	30	30	30	30
refrigerant oil		FV50S	FV50S	FV50S	FV50S
Minimum water volume flow [7K] / nominal [5K] / maximum [4K] ¹⁾	Ltr./min	23/32/40	25,5/35,6/44,6	30,9/43,2/54,2	35,6/50/62,3
Pressure loss heat pump at nominal water flow rate	mbar	110	124	165	240
Air volume flow at maximum external pressure for A2/W35 according to EN 14511	m³/h	3200	3200	3400	3800
Maximum external pressure [adjustable]	Pa	20 - 50	20 - 50	20 - 50	20 - 50
Power E-Heating 3 phases 400V	kW	1 till 6	1 till 6	1 till 6	1 till 8
Maximum current consumption of electric heater	A	9,6	9,6	9,6	12,8
Maximum Power Consumption / Compressor flow within the operating limits	kW / A	3,92 / 7,3	4,56 / 8,0	5,59 / 10,0	6,46 / 11,6
Power consumption / Current consumption / cos for A2/W35 according to EN14511	kW / A / -	2,21/4,5/0,71	2,59/4,7/0,80	3,16/5,9/0,77	3,75/6,9/0,78
Starting current (soft start)	A	26	31	37	39
Maximum number of compressor starts per hour	1/h	3	3	3	3
Guy. Power consumption BWL-1 in standby LP (Low Power)	W	5,8	5,8	5,8	5,8
degree of protection	IP	IP24	IP24	IP24	IP24
Weight	kg	217	242	244	255
Electrical connection / fuse protection (switching off all poles)		3~ PE / 400VAC / 50Hz / 10A[C]	3~ PE / 400VAC / 50Hz / 10A[C]	3~ PE / 400VAC / 50Hz / 16 A[C]	3~ PE / 400VAC / 50Hz / 16 A[C]
compressor		3~ PE / 400VAC / 50Hz / 10A[B]	3~ PE / 400VAC / 50Hz / 10A[B]	3~ PE / 400VAC / 50Hz / 10A[B]	3~ PE / 400VAC / 50Hz / 16 A[B]
electric heater		1~ NPE / 230VAC / 50Hz / 10A[B]			
control voltage					

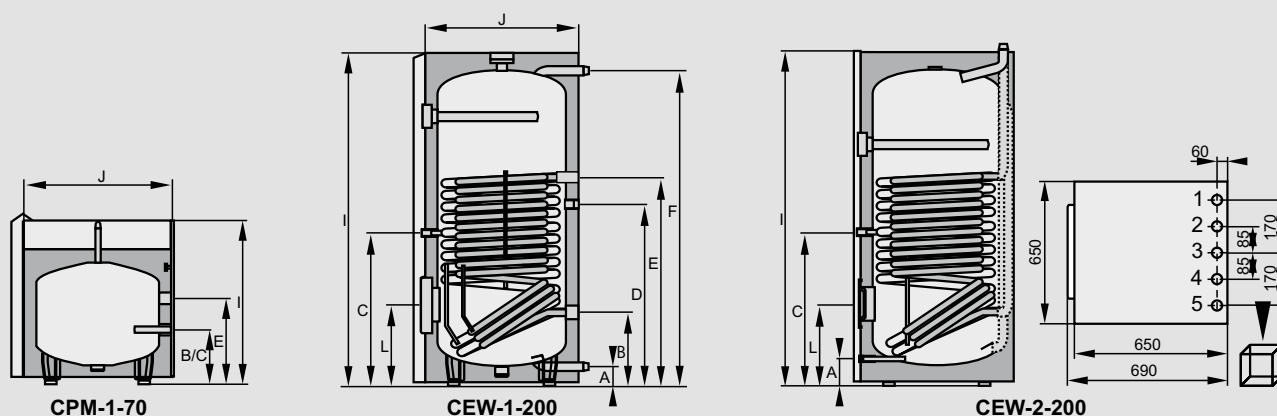
¹⁾ To ensure a high energy efficiency of the heat pump, the nominal volume flow should not be undercut. The specifications given in this table apply to an unpolluted heat exchanger.

BUFFER STORAGE

CPM-170/7 - 70/8

HOT WATER STORAGE

CEW-1-200, CEW-2-200



1 Split heat pump indoor module - return flow / 2 hot water / 3 hot water - circulation
4 Cold water / 5 Split heat pump indoor module - flow

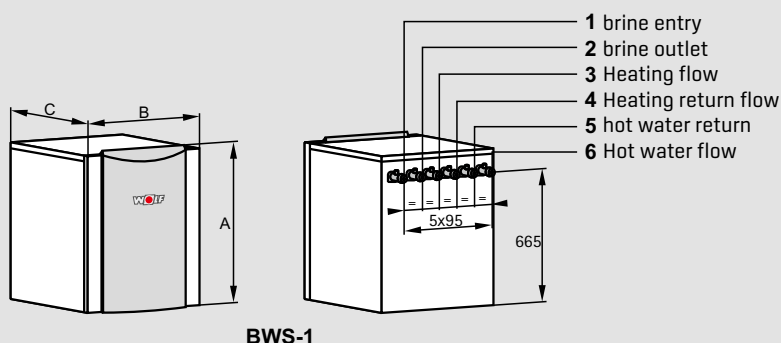
TYP		CPM-170/7	CPM-170/8	CEW-1-200	CEW-2-200
memory content	Ltr.	70	70	180	180
standby heat input	kWh/24h	0,89	0,89	1,5	1,21
Continuous storage capacity					
tv 80/60°C - tww 10/45°C	kW - Ltr./h	-	-	20/490	20/490
Performance index (heating)	NL60	-	-	2,9	3
Performance index (heating)	NL50	-	-	1,4	1,6
Heating time 10kW - 10-50°C	min	-	-	59	60
Hot water tapping at 40°C [TSP=55°C, 15 Ltr./min]	Ltr.	-	-	191	191
cold water connection	A mm	-	-	90	-
Return heating	B mm	225	225	222	-
Storage tank sensor Heating	C mm	225	225	590	472
circulation	D mm	-	-	697	-
Heating flow	E mm	352	352	797	-
hot water connection	F mm	-	-	1194	-
overall height	I mm	740	740	1290	1290
Diameter with insulation	J mm	600	600	600	-
Housing width / depth	mm	600 x 650	600 x 650	600 x 650	650 x 690
maintenance flange	L mm	-	-	324	322
tilt	mm	925	925	1395	1410
Primary heating water	bar/°C	3/4759	3/95	3/95	3/95
Secondary hot water	bar/°C	-	-	10/95	10/95
Inner flange diameter cold water connection	mm	-	-	DN 110	DN 110
Return heating		-	-	G1"	G1"
circulation		G1½" AG	G1½" AG	G1½" AG	R1"
Heating flow		-	-	G¾" AG	G1"
hot water connection		G1½" AG	G1½" AG	G1½" AG	R1"
protective anode		-	-	G1"	G1"
electric booster heater		-	-	G1¼" IG	G1¼" IG
Immersion sleeve Storage tank sensor (mounted)		-	-	G1½" IG	-
Immersion sleeve Cylinder sensor (mounted)		½" IG	G½" IG	G1½" IG	G½" IG
Heat exchanger surface Heating	m²	-	-	2,3	2,3
Heat exchanger capacity Heating	Ltr.	-	-	17	17
pump type		Wilo Yonos Para 25/7,5 HE-Pump [EEI < 0,23]	Wilo Stratos Para 25/1-8 HE-Pump [EEI < 0,23]	-	-
Weight	kg	61	62	147	145

WOLF

TECHNICAL DATA

WATER/WATER HEAT PUMP

BWW-1-07/11/13/15/21



TYP	BWW	1-07	1-11	1-13	1-15	1-21
		BWS-1-06	BWS-1-08	BWS-1-10	BWS-1-12	BWS-1-16
consisting of:		+	+	+	+	+
		BWM-S	BWM-S	BWM-S	BWM-L	BWM-L
Heating capacity / COP according to EN14511						
W10/W35	kW / -	7,1 / 5,4	10,5 / 5,6	13,3 / 5,6	15,0 / 5,5	20,8 / 5,5
W10/W45	kW / -	6,9 / 4,2	10,0 / 4,4	12,2 / 4,3	14,0 / 4,3	19,3 / 4,3
W10/W55	kW / -	6,2 / 3,2	9,3 / 3,3	11,5 / 3,2	13,5 / 3,3	17,0 / 3,3
Overall height BWS-1	A mm	740	740	740	740	740
Overall width BWS-1	B mm	600	600	600	600	600
Overall depth BWS-1	C mm	650	650	650	650	650
Overall height BWM	D mm	355	355	355	545	545
Overall width BWM	E mm	245	245	245	245	245
Overall depth BWM	F mm	200	200	200	200	200
Heating flow/return flow						
Hot water supply/return flow	G [AG]	1½"	1½"	1½"	1½"	1½"
Brine inlet/outlet at the BWS-1						
Connections at BWM	G [AG]	1¼"	1¼"	1¼"	1¼"	1¼"
sound power level	dB[A]	41	42	42	43	43
Sound pressure level at 1m distance averaged around the heat pump (in the room)	dB[A]	39	40	40	41	41
Max. Operating pressure heating circuit / brine circle / well circle	bar	3 / 3 / 3				
Temperature Operating limits Heating water	°C	+20 till +63				
Temperature Operating limits Well water	°C	+7 till +22				
refrigerant type	-	R407C / 1774	R407C / 1774	R407C / 1774	R407C / 1774	R407C / 1774
(refrigerant circuit hermetically sealed)						
Filling quantity / CO2eq		1,8/3,19	2,0/3,55	2,25/3,99	2,8/4,97	3,15/5,50
Maximum operating pressure refrigerant circuit	bar	30				
refrigerant oil		FV50S				
Volume of brine in BWS-1 with BWM	Ltr.	4,7	5,2	5,7	7,3	7,8
Minimum heating water volume flow (7K) / nominal (5K) / maximum (4K) ¹⁾	Ltr./min	14,6/20,3 /25,4	21,4/30,1 /37,6	27,3/38,1 /47,6	30,7/43,0 /53,7	42,6/59,6 /74,5
Residual head at dT 5K	mbar	530	430	340	420	150
3-way valve for hot water charging circuit		integrated				
		Wilco Yonos	Wilco Yonos	Wilco Yonos	Wilco Stratos	Wilco Stratos
High efficiency pump [EEI < 0.23] Heating circuit		Para	Para	Para	Para	Para
		25/7,5	25/7,5	25/7,5	25/1-8	25/1-8
Residual head for brine circuit pipework (with volume flow in Ltr./min)	mbar	160 [42]	200 [42]	210 [42]	140 [58]	140 [58]
Minimum brine concentration / frost protection up to	% / °C	25 / -13	25 / -13	25 / -13	25 / -13	25 / -13
High efficiency pump [EEI < 0.23] Brine circuit		Wilco Stratos Para GT 25/1-7,05			Wilco Stratos Para 25/1-8	
Nominal volume flow well water for dT 4K	Ltr./min	27	42	52	58	82
Pressure loss well water in BWM at Nominal volume flow	mbar	24	53	85	134	257
Power E-Heating 3 phases 400V	kW	1 till 6	1 till 6	1 till 6	1 till 6	1 till 6
Maximum current consumption of electric heater	A	9,6	9,6	9,6	9,6	9,6

TYP	BWW	1-07	1-11	1-13	1-15	1-21
Maximum power consumption / compressor current within the operational limits	kW / A	2,89 / 4,2	3,2 / 5,8	3,85 / 7,0	4,71 / 8,4	6,53 / 11,7
Power Consumption / Power Consumption/ cosp for W10/W35, without well pump	kW / A / -	1,26/2,5/0,72	1,85/3,2/0,80	2,3/4,4/0,76	2,55/4,6/0,79	3,65/6,9/0,76
Power consumption of the heating circuit pump with nominal throughput	W	45	55	60	100	110
Power consumption of the brine pump at nominal throughput	W	55	60	65	110	120
Starting current direct / soft start	A	27 / -	- / 21	- / 26	- / 31	- / 39
Compressor starts max.	1/h	3	3	3	3	3
Typical Power consumption BWW-1 in standby LP (Low Power)	W	5,8	5,8	5,8	5,8	5,8
degree of protection	IP	IP20	IP20	IP20	IP20	IP20
Weight BWW-1	kg	152	156	160	184	189
Electrical connection / Fuse protection (disconnecting all poles) compressor		3~ PE / 400VAC / 50Hz / 10A[C]				
electric heater		3~ PE / 400VAC / 50Hz / 10A[B]				
control voltage		1~ NPE / 230VAC / 50Hz / 10A[B]				

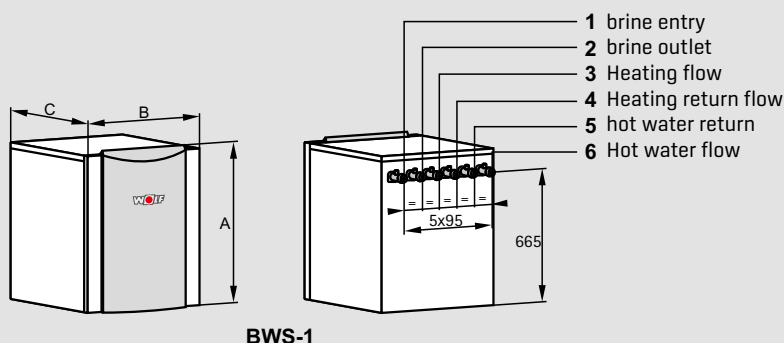
¹⁾ To ensure a high energy efficiency of the heat pump, the nominal volume flow rate should not be undercut.
The data given in this table apply to an unpolluted heat exchanger.

WOLF

TECHNICAL DATA

BRINE/WATER HEAT PUMP

BWS-1-06/08/10/12/16



TYP	BWS-1	06	08	10	12	16
Heating capacity / COP according to EN14511						
B0/W35	kW / -	5,9 / 4,7	8,4 / 4,7	10,8 / 4,7	12,0 / 4,7	16,8 / 4,6
B0/W55	kW / -	5,3 / 2,8	7,4 / 2,8	9,2 / 2,9	10,5 / 2,8	15,8 / 2,8
B5/W35	kW / -	6,9 / 5,3	9,7 / 5,4	12,3 / 5,4	13,8 / 5,3	19,9 / 5,3
B-5/W45	kW / -	4,8 / 3,1	6,8 / 3,2	8,6 / 3,1	9,7 / 3,1	14,7 / 3,2
overall height	A mm	740	740	740	740	740
overall width	B mm	600	600	600	600	600
overall depth	C mm	650	650	650	650	650
Heating flow/return flow						
Hot water supply/return flow	G [AG]	1½"	1½"	1½"	1½"	1½"
Brine inlet/outlet						
sound power level	dB[A]	41	42	42	43	43
Sound pressure level at 1m distance averaged around the heat pump (in the room)	dB[A]	39	40	40	41	41
Maximum operating pressure heating circuit / brine circuit	bar	3 / 3	3 / 3	3 / 3	3 / 3	3 / 3
Temperature Operating limits Heating water	°C	20 till +63	20 till +63	+20 till +63	+20 till +63	+20 till +63
Temperature Operating limits Brine	°C	-5 till +20	-5 till +20	-5 till +20	-5 till +20	-5 till +20
Refrigerant type / GWP	- / kg	R407C / 1774	R407C / 1774	R407C / 1774	R407C / 1774	R407C / 1774
(refrigerant circuit hermetically sealed)						
Filling quantity / CO eq	kg/ t	1,8/3,19	2,0/3,55	2,25/3,99	2,8/4,97	3,1/5,50
Maximum operating pressure refrigerant circuit	bar	30	30	30	30	30
refrigerant oil		FV50S	FV50S	FV50S	FV50S	FV50S
Minimum water volume flow [7K] / nominal [5K] / maximal [4K] ¹⁾	Ltr./min	12,1/16,6/21,6	17,2/24/30	22/30,8/38,3	24,6/34,1/43,3	34,4/48,3/60
Residual head at dT 5K	mbar	580	510	450	480	440
3-way valve for hot water charging circuit		integrated Wilo Yonos	integrated Wilo Yonos	integrated Wilo Yonos	integrated Wilo Stratos	integrated Wilo Stratos
High efficiency pump [EEI < 0.23] Heating circuit		Para 25/7,5	Para 25/7,5	Para 25/7,5	Para 25/1-8	Para 25/1-8
Minimum brine volume flow [5K] / nominal [4K] / maximal [3K]	Ltr./min	15 / 18,3 / 25	20 / 25,8 / 34,3	26,6 / 33,3 / 44,1	29,1 / 36,6 / 48,3	40,8 / 50,8 / 67,8
Residual head at dT 4K [30% brine / 0°C]	mbar	480	440	410	550	440
Minimum brine concentration / frost protection up to	% / °C	25 / -13	25 / -13	25 / -13	25 / -13	25 / -13
High efficiency pump [EEI < 0.23] Brine circuit		Wilo Yonos Para GT 25/1-7,5	Wilo Yonos Para GT 25/1-7,5	Wilo Yonos Para GT 25/1-7,5	Wilo Stratos Para 25/1-8	Wilo Stratos Para 25/1-8
Power E-Heating 3 phases 400V	kW	1 till 6	1 till 6	1 till 6	1 till 6	1 till 6
Maximum current consumption of electric heater	A	9,6	9,6	9,6	9,6	9,6
Maximum Power Consumption / Compressor flow within the operating limits	kW / A	2,28 / 4,20	3,2 / 5,8	3,85 / 7,0	4,71 / 8,4	6,53 / 11,7
Power Consumption / Power Consumption/ cosp for B0/W35	kW / A / -	1,26/2,5/0,72	1,79/3,2/0,80	2,3/4,4/0,76	2,55/4,6/0,79	3,65/6,9/0,76
Power consumption of the heating circuit pump with nominal throughput	W	45	55	60	100	110
Power consumption of the brine pump at nominal throughput	W	55	60	65	110	120
Starting current direct / soft start	A	27 / -	- / 21	- / 26	- / 31	- / 39
Compressor starts max.	1/h	3	3	3	3	3
Typical power consumption BWS-1 in Standby LP [Low Power]	W	5,8	5,8	5,8	5,8	5,8
degree of protection	IP	IP20	IP20	IP20	IP20	IP20
Weight	kg	141	145	149	169	174

TYP	BWS-1	06	08	10	12	16
electrical connection /						3~ PE /
Fuse protection (disconnecting all poles)			3~ PE / 400VAC / 50Hz / 10A[C]			400VAC / 50Hz
compressor						/ 16 A[C]
electric heater			3~ PE / 400VAC / 50Hz / 10A[B]			
control voltage			1~ NPE / 230VAC / 50Hz / 10A[B]			

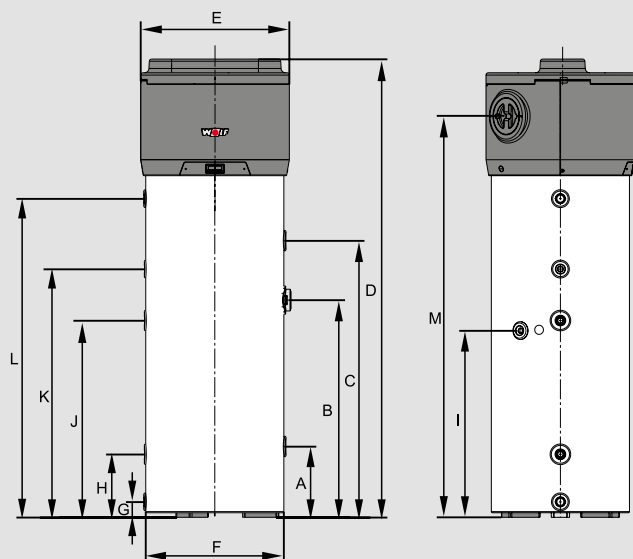
¹⁾ To ensure a high energy efficiency of the heat pump, the nominal volume flow should not be undercut.
The specifications given in this table apply to an unpolluted heat exchanger.

WOLF

TECHNICAL DATA

HOT WATER HEAT PUMP

SWP-200/260/260B



TYP	SWP	200	260/260B
Dimensions			
Diameter x height	mm	Ø650 x 1707	Ø650 x 2000
Lower magnesium anode 1" (length 250 mm)	A mm	-	310
Electric heating element	B mm	650	920
Upper magnesium anode 1" (length 400 mm)	C mm	960	1250
overall height	D mm	1714	2000
Heat pump diameter	E mm	650	650
Storage tank diameter	F mm	604	604
cold water connection	G mm	70	70
Return heat exchanger	H mm	-	275
condensate drain	I mm	526	818
Flow heat exchanger	J mm	-	820*
circulation	K mm	795	1085
hot water connection	L mm	1104	1391
Side air connection piece	M mm	-	1755
Type of heat pump		hot water	
conformity		CE	
refrigerant circuit			
Refrigerant type / Filling quantity	- / kg	R134a / 0,9	R134a / 0,9
Compressor type		rolling piston	
maximum operating pressure	bar	24	24
Heat output heat pump	kW	1,9	1,9
Heating capacity Electric heating element	kW	1,5	1,5
Total heat output	kW	3,4	3,4
Zapfprofil according to EN16147		L	XL
COP [A15 / W10-55, EN16147]	-	3,24	3,54
COP [A7 / W10-55, EN16147]	-	2,94	3,08
sound power level		59	59
(according to EN ISO3741-2010)			
Temperature Operating limits Hot water	°C	+5 till +56	+5 till +56
(heat pump only)			
maximum hot water temperature	°C	75	75
(heat pump + electric heating element)			
Temperature Operating limits Air min / max	°C	-7 / +38	-7 / +38
Temperature Operating limits	°C	+5 / +38	+5 / +38
Installation room min / max			
air volume flow	m3/h	350 - 500	350 - 500
max. available head	Pa	200	200
Diameter of supply/exhaust air opening	mm	160 top	160 (top and side)
cold water connection	G	1"	1"
Flow/return heat exchanger	G	-	1 1/4"
hot water connection	G	1"	1"
condensate drain	G	1/2"	1/2"

TYP	SWP	200	260/260B
memory content	l	200	260
Heating time ECO (10-55°C)	h:m	08:15	10:14
Heat-up time Boost (10-55°C)	h:m	03:58	05:06
Key performance indicator NL50	NL50	1,6	2,7
max. bulk capacity at 40° without recharging at storage tank temperature 55°C	l	276	342
heat exchanger surface	m²	-	1,0*
Heat exchanger content	l	-	6,8
heat exchanger	bar/°C	-	10 / 110*
Max. operating pressure storage tank	bar	10	10
corrosion protection		Memory enamelled 1x magnesium anode	Memory enamelled 2x magnesium anode
Weight electrics	kg	95	115
Mains connection / heat pump fuse protection incl. electric heating element		1~NPE, 230VAC, 50Hz / 16A [B], ready to plug in	
Power consumption electric heating element	kW	1,5	1,5
Power consumption heat pump maximum	kW	0,53	0,53
Protection class indoor unit		IP X4	IP X4

*SWP-260 only

WOLF

HOME STATIONS

HOME STATIONS		2
CAT-HT	APARTMENT STATION DESIGN FOR HIGH TEMPERATURE HEATING CIRCUITS	2
CAT-LT	APARTMENT STATION VERSION WITH MIXER CIRCUIT FOR LOW TEMPERATURE HEATING CIRCUITS	3
CAT-HT-CIRC	APARTMENT STATION design for high temperature heating circuits INCLUDING HOT WATER CIRCULATION	4
CAT-LT-CIRC	APARTMENT STATION VERSION WITH MIXER CIRCUIT FOR LOW TEMPERATURE HEATING CIRCUITS INCLUDING HOT WATER CIRCULATION	5
ACCESSORIES HOME STATION		6



CAT-HT APARTMENT STATION DESIGN FOR HIGH TEMPERATURE HEATING CIRCUITS

NEU
Available from April



WWW.WOLF.EU/CAT-KONFIGURATOR

RG | H43

TYPE	CAT-HT	37	45	52	55
Heating capacity	kW	10 - 15	10 - 15	10 - 15	10 - 15
WW-Leistung b. 10/50* min.	kW /l/min	37 / 13,3	45 / 16,1	52 / 18,4	55 / 19,0
Nennndruck Versorgung	PN	10	10	10	10
Nennndruck Trinkwasser	PN	10	10	10	10
Min. statischer Kaltwasserdruck	bar	1,5	1,5	1,5	1,5
Dämmmaterial / Wärmeleitfähigkeit	-/W/mk	EPP/λ = 0,039	EPP/λ = 0,039	EPP/λ = 0,039	EPP/λ = 0,039
Max. flow temperature	°C	95	95	95	95
Anschlussdimension	IG	G3/4"	G3/4"	G3/4"	G3/4"
Dimensions					
Höhe	mm	590	590	590	590
Breite	mm	545	545	545	545
Tiefe	mm	143 [155]	143 [155]	143 [155]	143 [155]
Weight	kg	10/11	11/12	-/13	12/-

CAT-HT**	Art. no.	8615776	8615777	8615778
	€	1090,00	1135,00	1190,00
CAT-HT + thermal insulation hood	Art. no.	2072583	2072584	2072585
	€	1155,00	1200,00	1265,00
CAT-HT-ULTRA**	Art. no.	8615779	8615780	8616686
	€	1570,00	1710,00	1890,00
CAT-HT-ULTRA + thermal insulation hood	Art. no.	2072586	2072587	2075150
	€	1640,00	1780,00	1955,00

* 10/50 [cold / hot water temp. In ° C and a buffer flow temperature of 65 ° C]

**Please ask for delivery times.

Home station for operation with radiators and for decentralised hygienic hot water preparation

WOLF RatioFlow controller for maximum hot water comfort: Combines proportional flow controller, zone valve and thermostatic re-adjustment

Standard with differential pressure regulator (heating side)

Plug&Seal fast connection system

Incl. circulation bridge buzzer bypass with adjustable thermostat

Insulated rear wall as standard, front insulation hood optional

Strainer integrated in primary flow pipe

Cold water and heat meter adapters suitable for continuous operation

Extremely flat and compact design in modular principle

Energy-efficient MicroPlate heat exchangers with patented flow characteristics

CAT-HT: With copper-brazed stainless steel heat exchanger COPPER

CAT-HT-ULTRA: For particularly high demands: Including pure stainless steel heat exchanger ULTRA and water hammer damper

Product selection based on water quality: Application limits according to the WOLF Technical Brochure Home Station



CAT-LT APARTMENT STATION VERSION WITH MIXER CIRCUIT FOR LOW TEMPERATURE HEATING CIRCUITS

NEU
Available from April



WWW.WOLF.EU/CAT-KONFIGURATOR

RG | H43

TYPE	CAT-LT	37	45	52	55
Heating capacity	kW	10 - 15	10 - 15	10 - 15	10 - 15
WW-Leistung b. 10/50°C*	kW /l/min	37 / 13,3	45 / 16,1	52 / 18,4	55 / 19,0
Nennndruck Versorgung / Heizung	PN	6	6	6	6
Nennndruck Trinkwasser	PN	10	10	10	10
Min. statischer Kaltwasserdruck	bar	1,5	1,5	1,5	1,5
Dämmmaterial / Wärmeleitfähigkeit	-/W/mk	EPP/λ = 0,039	EPP/λ = 0,039	EPP/λ = 0,039	EPP/λ = 0,039
Max. flow temperature	°C	95	95	95	95
Anschlussdimension	IG	G3/4"	G3/4"	G3/4"	G3/4"
Dimensions					
Höhe	mm	590	590	590	590
Breite	mm	545	545	545	545
Tiefe	mm	143 [155]	143 [155]	143 [155]	143 [155]
Weight	kg	14/15	14/15	-/17	16/-

CAT-LT**	Art. no.	8615781	8615782	8615783
	€	1655,00	1700,00	1760,00
CAT-LT +thermal insula- tion hood	Art. no.	2072588	2072589	2072590
	€	1725,00	1770,00	1825,00
CAT-LT-ULTRA**	Art. no.	8615784	8615785	8616687
	€	2140,00	2280,00	2460,00
CAT-LT-ULTRA + thermal insulation hood	Art. no.	2072591	2072592	2075151
	€	2210,00	2350,00	2530,00

* 10/50 [cold / hot water temp. In °C and a buffer flow temperature of 65 °C]

**Please ask for delivery times.

Home station for operation with radiators and for decentralised hygienic hot water preparation

Integrated high-efficiency pump for low-temperature heating systems

Incl. actuator for zone valve for heating circuit switch-off

Standard connection option for bathroom radiators

Integrated safety thermostat

WOLF RatioFlow controller for maximum hot water comfort: Combines proportional flow controller, zone valve and thermostatic re-adjustment

Standard with differential pressure regulator (heating side)

Plug&Seal fast connection system

Incl. circulation bridge buzzer bypass with adjustable thermostat

The above mentioned prices are without obligation and without VAT.

Insulated rear wall as standard, front insulation hood optional

Strainer integrated in primary flow pipe

Cold water and heat meter adapters suitable for continuous operation

Extremely flat and compact design in modular principle

Energy-efficient MicroPlate heat exchangers with patented flow characteristics

CAT-LT: With copper-brazed stainless steel heat exchanger COPPER

CAT-LT-ULTRA: For particularly high demands: Including pure stainless steel heat exchanger ULTRA and water hammer damper

Product selection based on water quality: Application limits according to the WOLF Technical Brochure Home Station

WOLF HOME STATIONS



CAT-HT-CIRC APARTMENT STATION DESIGN FOR HIGH TEMPERATURE HEATING CIRCUITS INCLUDING HOT WATER CIRCULATION

NEW
Available from April



WWW.WOLF.EU/CAT-KONFIGURATOR

RG | H43

TYPE	CAT-HT-CIRC	37	45	52	55
Heating capacity	kW	10 - 15	10 - 15	10 - 15	10 - 15
WW-Leistung b. 10/50* min.	kW /l/min	37 / 13,3	45 / 16,1	52 / 18,4	55 / 19,0
Nennndruck Versorgung	PN	10	10	10	10
Nennndruck Trinkwasser	PN	10	10	10	10
Min. statischer Kaltwasserdruck	bar	1,5	1,5	1,5	1,5
Dämmmaterial / Wärmeleitfähigkeit	-/W/mk	EPP/λ = 0,039	EPP/λ = 0,039	EPP/λ = 0,039	EPP/λ = 0,039
Max. flow temperature	°C	95	95	95	95
Anschlussdimension	IG	G3/4"	G3/4"	G3/4"	G3/4"
Dimensions					
Höhe	mm	590	590	590	590
Breite	mm	545	545	545	545
Tiefe	mm	143 [155]	143 [155]	143 [155]	143 [155]
Weight	kg	12/13	13/14	-/15	14/-

CAT-HT-CIRC	Art. no.	8615751	8615752	8615753
	€	1555,00	1605,00	1660,00
CAT-HT-CIRC + Wärme-dämmhaube**	Art. no.	2074773	2074774	2074775
	€	1625,00	1670,00	1730,00
CAT-HT-ULTRA-CIRC	Art. no.	8615754	8615755	8616688
	€	2040,00	2180,00	2370,00
CAT-HT-ULTRA-CIRC + Wärmedämmhaube**	Art. no.	2074776	2074777	2075152
	€	2110,00	2250,00	2435,00

*10/50 [cold/hot water temperature in °C and a buffer flow temperature of 65°C]

**Please ask for delivery times.

Home station for operation with radiators and for decentralised hygienic hot water preparation

Incl. circulation set: consisting of 7m HE circulation pump, 10bar safety valve, non-return valve, ball valve, piping

WOLF RatioFlow controller for maximum hot water comfort: Combines proportional flow controller, zone valve and thermostatic re-adjustment

Standard with differential pressure regulator (heating side)

Plug&Seal fast connection system

Incl. circulation bridge buzzer bypass with adjustable thermostat

Insulated rear wall as standard, front insulation hood optional

Strainer integrated in primary flow pipe

Cold water and heat meter adapters suitable for continuous operation

Extremely flat and compact design in modular principle

Energy-efficient MicroPlate™ heat exchangers with patented flow behavior

CAT-HT: With copper-brazed stainless steel heat exchanger COPPER

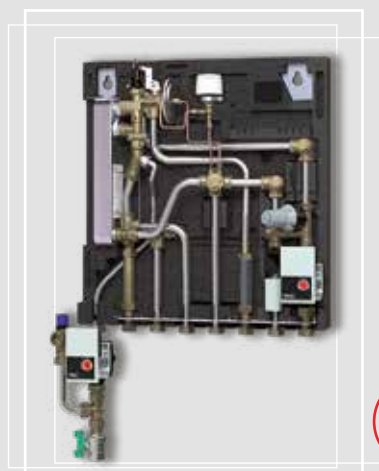
CAT-HT-ULTRA: For particularly high demands: Including pure stainless steel heat exchanger ULTRA and water hammer damper

Product selection based on water quality: Application limits according to the WOLF Technical Brochure Home Station



WOLF HOME STATIONS

The above mentioned prices are without obligation and without VAT.



CAT-LT-CIRC APARTMENT STATION VERSION WITH MIXER CIRCUIT FOR LOW TEMPERATURE HEATING CIRCUITS INCLUDING HOT WATER CIRCULATION

NEW
Available from April



WWW.WOLF.EU/CAT-KONFIGURATOR

RG | H43

TYPE	CAT-LT-CIRC	37	45	52	55
Heating capacity	kW	10 - 15	10 - 15	10 - 15	10 - 15
WW-Leistung b. 10/50°C*	kW /l/min	37 / 13,3	45 / 16,1	52 / 18,4	55 / 19,0
Nennndruck Versorgung / Heizung	PN	6	6	6	6
Nennndruck Trinkwasser	PN	10	10	10	10
Min. statischer Kaltwasserdruck	bar	1,5	1,5	1,5	1,5
Dämmmaterial / Wärmeleitfähigkeit	-/W/mk	EPP/λ = 0,039	EPP/λ = 0,039	EPP/λ = 0,039	EPP/λ = 0,039
Max. flow temperature	°C	95	95	95	95
Anschlussdimension	IG	G3/4"	G3/4"	G3/4"	G3/4"
Dimensions					
Höhe	mm	590	590	590	590
Breite	mm	545	545	545	545
Tiefe	mm	143 [155]	143 [155]	143 [155]	143 [155]
Weight	kg	16/17	16/18	-/19	18/-

CAT-LT-CIRC	Art. no.	8615756	8615757	8615758
	€	2125,00	2165,00	2225,00
CAT-LT-CIRC + Wärme-dämmhaube**	Art. no.	2074778	2074779	2074780
	€	2195,00	2235,00	2295,00
CAT-LT-ULTRA-CIRC	Art. no.	8615759	8615760	8616689
	€	2610,00	2750,00	2940,00
CAT-LT-ULTRA-CIRC + Wärmedämmhaube**	Art. no.	2074781	2074782	2075153
	€	2680,00	2815,00	3010,00

*10/50 [cold/hot water temperature in °C and a buffer flow temperature of 65°C]

**Please ask for delivery times.

Home station for operation with panel heating, radiators and for decentralised hygienic hot water preparation

Incl. circulation set: consisting of 7m HE circulation pump, 10bar safety valve, non-return valve, ball valve, piping

Integrated high-efficiency pump for low-temperature heating systems

Incl. actuator for zone valve for heating circuit switch-off

Standard connection option for bathroom radiators

Integrated safety thermostat

WOLF RatioFlow controller for maximum hot water comfort: Combines proportional flow controller, zone valve and thermostatic re-adjustment

Standard with differential pressure regulator (heating side)

Plug&Seal fast connection system

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CAT-LT-ULTRA: For particularly high demands: Including pure stainless steel heat exchanger ULTRA and water hammer damper

Product selection based on water quality: Application limits according to the WOLF Technical Brochure Home Station

WOLF HOME STATIONS

WOLF

ACCESSORIES HOME STATION

for product

Art. no.

€

DG



CAT CONNECTION KIT

Kit for perfectly coordinated hydraulic operation of a WOLF heat generator with buffer cylinder SPU-2 and WOLF floor stations CAT.

Consisting of:
6mm NTC 5K temperature sensor,
2 x 1/2" cylinder immersion pockets,
3-way mixer made from brass, including
230V motor
120 s/90 degree, 6 no.
[controlled via WOLF cascade module]

DN20, kvs 6,3	CGB-50	8615520	178,00	H43
DN25, kvs 10	CGB-75	8615517	197,00	H43
DN32, kvs 16	CGB-100, MGK-2-130	8615518	212,00	H43
DN40, kvs 25	MGK-2-170/210	8615521	266,00	H43
DN50, kvs 40	MGK-2-250/300	8615522	295,00	H43



FLUSH-MOUNTED BOX INCL. BALL VALVE SET

640x910x150	CAT-HT	8908970	246,00	H43
690x910x150*	CAT-HT [-CIRC]	8908899	246,00	H43
640x1350x150	CAT-LT [≤ 8 Heating circuits]	8908980	271,00	H43
690x1350x150	CAT-LT [-CIRC] [≤ 8 Heating circuits]	8908900	271,00	H43
850x1350x150	CAT-LT [-CIRC] [> 8 Heating circuits]	8908901	287,00	H43

* for mounting of CIRC variant additional space below the box is necessary

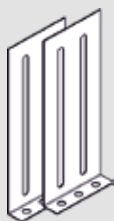


VISIBLE PART FLUSH-MOUNTED BOX

685x935	UP-Kasten 640x910x150	8908977	56,00	H43
735x935	UP-Kasten 690x910x150	8908902	56,00	H43
685x1375	UP-Kasten 640x1350x150	8908983	65,00	H43
735x1375	UP-Kasten 690x1350x150	8908903	65,00	H43
895x1375	UP-Kasten 850x1350x150	8908904	75,00	H43

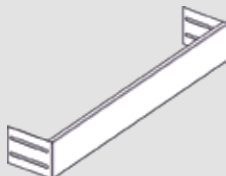
HEIGHT ADJUSTABLE FEET

8908955 34,10 H43



FLUSH-MOUNTED SKIRTING

Breite 640	UP-Kasten b=640	8908964	31,00	H43
Breite 690	UP-Kasten b=690	8908957	33,00	H43
Breite 850	UP-Kasten b=850	8908959	35,10	H43



for product Art. no. € DG



SURFACE-MOUNTED HOOD
with the dimensions
WxHxD (mm)

600x780x200 ohne Tür*
690x1300x180 mit Tür

CAT-HT
CAT-LT [-CIRC]
[≤ 8 Heizkreise]
CAT-LT [-CIRC]
[> 8 Heizkreise]

8908896 **139,00** H43
8908897 **362,00** H43
8908898 **420,00** H43

* Not compatible with CIRC variant



BALL VALVE SET
with mounting rail

CAT-HT/LT [-CIRC]
without flush box

8908954 **137.00** H43

incl. 7 ball valves; G $\frac{3}{4}$ " IG;
(with DVGW approval on the drinking water side)



HEATING CIRCUIT DISTRIBUTOR WITH CUC CONTROLLER

Distribution system for panel heating with flow meter and hard-wired individual room control UF-Control.

consisting of:
Flow distributor with flow rate indicator,
Return collector,
Mounting accessories for the connection to a Home station with fixed value control.
Including pre-wired individual room control UF-Control 230V, with integrated Pump logic.

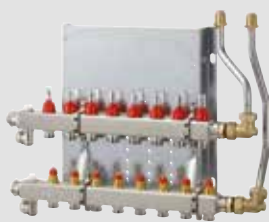
UF-Control 230V mounted on the panel heating circuit distributor and completely wired with one thermal actuator per heating circuit. One additional room thermostat, e.g. room temperature controller WT-P or WT-T, is required per circuit.

With integrated venting or control unit.
Drainage option per distribution beam.

2 heating circuits	CAT-LT [-CIRC]	2072442	500.00	H43
3 heating circuits	CAT-LT [-CIRC]	2072443	560.00	H43
4 heating circuits	CAT-LT [-CIRC]	2072444	625.00	H43
5 heating circuits	CAT-LT [-CIRC]	2072445	685.00	H43
6 heating circuits	CAT-LT [-CIRC]	2072446	755.00	H43
7 heating circuits	CAT-LT [-CIRC]	2072447	815.00	H43
8 heating circuits	CAT-LT [-CIRC]	2072448	875.00	H43
9 heating circuits	CAT-LT [-CIRC]	2072449	945.00	H43
10 heating circuits	CAT-LT [-CIRC]	2072450	1005.00	H43
11 heating circuits	CAT-LT [-CIRC]	2072451	1065.00	H43
12 heating circuits	CAT-LT [-CIRC]	2072452	1130.00	H43

WOLF

ACCESSORIES HOME STATION



HEATING CIRCUIT DISTRIBUTOR MANUAL CUC-B

Distribution system for panel heating with flow meter.
consisting of:
Flow manifold with flow display,
Return collector with presettable valve for hydraulic balancing of the heating circuits,
Mounting accessories for connection to a home station with fixed set point control.

With integrated ventilation or
Drainage option per distributor bar.

2 heating circuits	CAT-LT [-CIRC]	2072431	255.00	H43
3 heating circuits	CAT-LT [-CIRC]	2072432	284.00	H43
4 heating circuits	CAT-LT [-CIRC]	2072433	313.00	H43
5 heating circuits	CAT-LT [-CIRC]	2072434	341.00	H43
6 heating circuits	CAT-LT [-CIRC]	2072435	370.00	H43
7 heating circuits	CAT-LT [-CIRC]	2072436	398.00	H43
8 heating circuits	CAT-LT [-CIRC]	2072437	428.00	H43
9 heating circuits	CAT-LT [-CIRC]	2072438	456.00	H43
10 heating circuits	CAT-LT [-CIRC]	2072439	486.00	H43
11 heating circuits	CAT-LT [-CIRC]	2072440	515.00	H43
12 heating circuits	CAT-LT [-CIRC]	2072441	540.00	H43



THERMAL ACTUATOR FOR HEATING CIRCUIT DISTRIBUTOR CUC

with position indicator, without handwheel.
Connection: M30 x 1.5 ET
Cable length: 1.2 m
Electrical connection: 230 V
Power consumption: 2 W

CAT-HT/LT [-CIRC]	2746229	21.60	H43
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INDIVIDUAL ROOM CONTROL UF-CONTROL FOR HEATING CIRCUIT DISTRIBUTOR CUC

CUC	2747979	108.00	H43
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THERMAL INSULATION COVER

„Cover for thermal insulation on front of floor station.
Depth: 155mm
EPP = 0.039 W/mK
Fire safety class: B2 as per DIN 4102“

CAT-HT/LT [-CIRC]	1669320	69.00	H43
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WT-P 230V ROOM TEMPERATURE CONTROLLER

„Programmable controller with seven-day program, absence function and frost protection mode. Three modes for temperature control. Display with backlighting

A heat time controller for radiator systems can be used in combination with the 'thermal actuator for zone valves'."

CAT-HT/LT [-CIRC]	2746128	115.00	H41
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WT-T 230V ROOM TEMPERATURE CONTROLLER

Temperature controller for easy setting of the comfort temperature, incl. Frost protection mode, incl. LED status display

CAT-HT/LT [-CIRC]	2746129	56.00	H41
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	for product	Art. no.	€	DG
FLOOR TEMPERATURE SENSOR FOR ROOM TEMPERATURE CONTROLLER WT-P for recording and limiting floor temperatures	CAT-LT [-CIRC]	2746136	12.50	H41
HEAT METER Compact ultrasonic heat meter DN15 with integrated M-Bus and two PT1000 temperature sensors. Large LCD display with menu navigation and information display Memory: Data history over 2 years, storage of annual and monthly values (including pulse input) Nominal flow rate: 1.5 m3/h Installation dimension: 110 mm, G3/4" AG	CAT-HT/LT [-CIRC]	2746130	395.00	H41
THERMAL ACTUATOR FOR ZONE VALVE in combination with room temperature controller WT-P a heating time control for radiator systems can be realized. Normally closed.	CAT-HT [-CIRC]	2072430	21.60	H43

WOLF

TECHNICAL DATA

HOME STATION

TYPE	CAT-37-HT/LT	CAT-45-HT/LT	
	CAT-37-HT/LT-ULTRA	CAT-45-HT/ LT-ULTRA	CAT-55-HT/LT
Heat exchanger material	Plates: Stainless steel, W-No.: 1.4404		
	Lot: COPPER copper / ULTRA stainless steel		
Maximum permissible pressure primary	CAT-LT: PN6 / CAT-HT: PN10		
Maximum Allowable Pressure Hot Water	PN 10		
Minimum static cold water pressure	bar	1,5	
Material thermal insulation EPP	- / W/mK	EPP/λ = 0,039	
Maximum supply temperature	°C	95	
Electrical connection		nur für CAT-LT: 1 ~ NPE / 230 VAC / 50 Hz / 10 A / B / max. 45 W	
Connection dimension	IG	G ¾"	
Dimensions	H/B/T	590/545/143	
Weight without housing, without circulation		HT max. 13 kg / LT max. 17 kg	

TYPE		CAT-37-HT/LT CAT-37-HT/LT-ULTRA		CAT-45-HT/LT CAT-45-HT/ LT-ULTRA		CAT-55-HT/LT	
Performance data for hot water							
Station rated power	kW	37		45		55	
Supply power	kW	37		45		55,5	
Temperatures primary	°C	65/19,1	65/22,4	65/17,6	65/20,6	65/14	65/15,8
Temperatures drinking water	°C	10/45	10/50	10/45	10/50	10/45	10/50
Primary flow rate	l/min	11,8	12,7	13,9	14,8	15,8	15,8
Flow rate drinking water	l/min	15,2	13,3	18,4	16,1	22,5	19
Pressure drop primary *	kPa	16	18	18	21	41	41

TYPE		CAT-52-HT/LT-ULTRA					
Performance data for hot water							
Station rated power	kW	52					
Supply power	kW	52					
Temperatures primary	°C	65/16,7					
Temperatures drinking water	°C	10/50					
Primary flow rate	l/min	15,3					
Flow rate drinking water	l/min	18,7					
Pressure drop primary *	kPa	17					

Performance data heating		10kW	10kW	10kW
Temperature spread	K	20	30	40
Pressure loss CAT-HT Primary *	kPa	3	1	1
Pressure loss CAT-LT Primary *	kPa	9	3,5	2
Flow rate primary	l/min	7,2	4,8	3,6

* Without heat meter

WOLF

STORAGE TANK SYSTEMS

STRATIFIED STORAGE TANK		2
BSP	Stratification buffer cylinder with freshwater station and <u>one</u> smooth tube indirect coil	2
BSP-W	Stratification buffer cylinder with freshwater station and <u>one</u> smooth tube indirect coil	3
ACCESSORIES		4
BUFFER MODULE		6
BSH	Buffer cylinder with integral corrugated stainless steel pipe for DHW heating and central heating backup	6
SPU-2-W	Buffer cylinder for central heating backup	7
SPU-2	Buffer cylinder for central heating backup	8
SPU-2	Buffer cylinder for central heating backup	9
SPU-1	Buffer cylinder for central heating backup	10
ACCESSORIES FWS-2-60/80		11
ACCESSORIES FWS-2-140/-350/-455		14
HOT WATER SOLAR TANK		16
SEM-1	DHW solar cylinder	16
SEM-2	DHW solar cylinder	17
ACCESSORIES		18
SEM-1W	Hot water solar storage for heat pump	19
FLOOR-STANDING HOT WATER TANK		20
SE-2	DHW cylinder made from steel with two-layer enamel coating	20
ACCESSORIES		22
SEW-2	DHW cylinder for split heat pump	24
SEW-1	DHW cylinder for heat pump	25
TECHNICAL DATA		26



BSP STRATIFICATION BUFFER CYLINDER WITH FRESH WATER STATION 60KW

RG | H45

TYPE	BSP BSP-SL	800	1000	1000B	SL1000
Cylinder capacity	l	785	915	915	900
Heat exchanger surface solar bottom	m ²	2,5	3,0	0	3,0
Heat exchanger surface solar bottom / top	m ²	0	0	0	1,9
Heat exchanger content solar bottom	l	16,5	19,8	0	19,8
Heat exchanger content solar bottom / top	m ²	0	0	0	11,0
Hot water capacity at 65°C buffer/hot water temperature 45°C	Ltr./min.	25	25	25	25
Quantity smooth tube heat exchanger		1	1	0	2
Dimensions					
Diameter with thermal insulation	mm	1000	1000	1000	1000
Diameter without thermal insulation	mm	790	790	790	790
Total height with thermal insulation	mm	1825	2110	2110	2110
Total height without thermal insulation	mm	1755	2040	2040	2040
Tilting without measure	mm	1788	2068	2068	2068
Weight of fresh water station	kg	17	17	17	17

BSP	Art.-Nr.	8615737	8615738	8615712
	€	4170,00	4405,00	4250,00
BSP-SL	Art.-Nr.	8615739		
	€	4955,00		

Hygienic DHW heating with a powerful freshwater module FWS-2-60 with high efficiency pump (EEI < 0.20)

Space saving steel stratification buffer cylinder with quality certificate

Hydraulic components, such as the freshwater module, 2 circuits with mixer and solar pump assembly can be mounted on the cylinder itself or on the wall

Stratification separating plates stabilise the temperature layers inside the cylinder and improve the solar yield significantly

Highest possible solar yields as the cylinder can be heated up to 95 °C without risk of scaling or scalding

Single cylinder system for the lowest possible heat losses

Plug-in connections enable DHW circulation pump kit to be retrofitted; control via time switch or by opening a tap

As option with 2 mixer circuit assemblies for high and low temperature circuits

Affordable solution for central heating backup

Removable thermal insulation for easier manoeuvring into the installation room

5 year warranty on the floorstanding cylinder

2 year warranty on electrical and moving parts



BSP-W STRATIFICATION BUFFER CYLINDER WITH FRESH WATER STATION 80KW

RG | H45

TYP	BSP-W BSP-W-SL	1000	1000	1000B
Quantity smooth tube heat exchanger		2	1	0
Heat exchanger surface solar bottom	l	900	915	915
Heat exchanger surface solar bottom / top	m ²	3,0	3,0	0
Heat exchanger content solar bottom	m ²	1,9	0	0
Heat exchanger content solar bottom / top	l	19,8	19,8	0
Hot water capacity at 50°C buffer/hot water temperature 45°C	l	11,0	0	0
Warmwasserleistung bei 50°C Puffer-/Warmwassertemp. 45°C	Ltr./min.	25	25	25
Dimensions				
Diameter with thermal insulation	mm	1000	1000	1000
Diameter without thermal insulation	mm	790	790	790
Total height with thermal insulation	mm	2110	2110	2110
Total height without thermal insulation	mm	2040	2040	2040
Tilting without measure	mm	2068	2068	2068
Weight of fresh water station	kg	20	20	20

BSP-W	Art.-Nr.	8615348	8615713
	€	4810,00	4650,00
BSP-W-SL	Art.-Nr.	8615349	
	€	5415,00	

Hygienic DHW heating with a powerful freshwater module FWS-2-80 with high efficiency pump [EEI < 0.20]

Space saving steel stratification buffer cylinder with quality certificate

Hydraulic components, such as the freshwater module and solar pump assembly, can be mounted on the cylinder itself or on the wall

Stratification separating plates stabilise the temperature layers inside the cylinder and improve the solar yield significantly

Highest possible solar yields as the cylinder can be heated up to 95 °C without risk of scaling or scalding

Single cylinder system for the lowest possible heat losses

Affordable solution for central heating backup

Plug-in connections enable DHW circulation kit to be retrofitted; control via time switch or by opening a tap

As option with 2 mixer circuit assemblies for high and low temperature circuits

Removable thermal insulation for easier manoeuvring into the installation room

5 year warranty on the floorstanding cylinder

2 year warranty on electrical and moving parts



MIXER CIRCUIT GROUP LOW TEMPERATURE BSP

For direct mounting on the stratified buffer storage BSP / BSP-SL / BSP-B

consisting of:

High-efficiency pump DN15-70 ($EEI \leq 0.20$), self-regulating, mounted mixer motor (230V/110s), progressive 3-way mixing valve DN20 $kvs=8.0$, 2 ball valves each in the Flow and return flow for maintenance without buffer and heating emptying, integrated Gravity brake to prevent miscirculation, thermometer, designer thermal insulation shells from EPP.

Top connections flat sealing G1 AG and clamping ring $\varnothing 22$ mm

bottom flat sealing G1 AG with stainless steel corrugated hoses

$kvs=4.5$

$\Delta p=150$ mbar at $V=1700$ l/h

at Δt 10K up to 20 kW

at Δt 20K up to 40 kW

for product

Art. no.

€

DG

2071234

905.00

H46



MIXER CIRCUIT GROUP HIGH TEMPERATURE BSP

For direct mounting on the stratified buffer storage BSP / BSP-SL / BSP-B

consisting of:

High-efficiency pump DN15-70 ($EEI \leq 0.20$), self-regulating, mounted mixer motor (230V/110s), progressive 3-way mixing valve DN20 $kvs=8.0$, 2 ball valves each in the Flow and return flow for maintenance without buffer and heating emptying, integrated Gravity brake to prevent miscirculation, thermometer, designer thermal insulation shells from EPP.

Top connections flat sealing G1 AG and clamping ring $\varnothing 22$ mm

bottom flat sealing G1 AG with stainless steel corrugated hoses

$kvs=4.5$

$\Delta p=150$ mbar at $V=1700$ l/h

at Δt 10K up to 20 kW

at Δt 20K up to 40 kW

2071235

905.00

H46



MIXER CIRCUIT GROUP LOW AND HIGH TEMPERATURE BSP

For direct mounting on the stratified buffer storage BSP / BSP-SL / BSP-B

consisting of:

two high-efficiency pumps DN15-70 ($EEI \leq 0.20$), self-regulating, two mounted mixer motors (230V/110s), two progressive 3-way mixers DN20 $kvs=8.0$, each 2 ball valves in flow and return for maintenance without buffer and heating drain, two integrated gravity brakes to prevent miscirculation,

Thermometers, designer thermal insulation shells made of EPP.

Top connections flat-sealing G1 AG and clamping ring $\varnothing 22$ mm

bottom flat sealing G1 AG with stainless steel corrugated hoses

$kvs=4.5$

$\Delta p=150$ mbar at $V=1700$ l/h

at Δt 10K up to 20 kW

at Δt 20K up to 40 kW

2071236

1805.00

H46

	for product	Art. no.	€	DG
	ZP-3 DHW CIRCULATION PUMP KIT To extend the FWS-2-6 and FWS-2-8 freshwater modules Consisting of: High efficiency DHW circulation pump, with thermostat shutdown and time switch, ball valve and offset fitting (activation from draw-off point or by means of integrated time switch)	FWS-2-60/80	2072359	476.00 H46
	COVER FOR BSP HEATING CIRCUIT CONNECTIONS		2071417	19.10 H46
	SOLAR CONNECTION KIT FOR SOLAR PUMP ASSEMBLY 10 For direct mounting on the BSP / BSP-W stratification buffer cylinder Consisting of: Thermally insulated connection lines and fixing materials			
	BSP-800		2070584	84.00 H46
	BSP-1000 / BSP-W1000		2070604	84.00 H46
	DIFFERENTIAL PRESSURE OVERFLOW VALVE Right angle version 1" To DHW cascade with 2 BSP stratification buffer cylinders Incl. threaded connection and flat gasket Setting range: 50-500 mbar (values directly visible) Connection: 2 x 1" (DN25) female thread	FWS-2-60	2071237	140.00 H46
	DUMMY PLUG 1 1/2"		8611149	6.20 H46
	MOTORISED VALVE For return temperature raising for central heating backup DN25 1", 230 V		2741098	152.00 H46



BSH BUFFER CYLINDER WITH INTEGRAL CORRUGATED STAINLESS STEEL PIPE FOR DHW HEATING AND CENTRAL HEATING BACKUP

RG | H45

TYPE	BSH	500	800	1000	1500	2000
Energy efficiency class**	A+ → F	B				
Cylinder capacity	l	495	800	900	1500	1965
DHW capacity	l	48	60	60	70	80
Continuous cylinder output	kw-l/min	24 - 594	38 - 940	50 - 1200	75 - 1848	100 - 2515
Performance factor	NL	2,1	4,3	5,4	6,5	7,6
Heat exchanger surface solar bottom / top	m²	2,3 / -	3,0 / 2,0	3,0 / 3,0	3,0 / 3,5	5,5 / 4,2
Heat exchanger content solar bottom / top	m²	9,8 / -	12,1 / 7,7	12,1 / 12,1	15,0 / 20,2	22,7 / 18,4
Dimensions						
Diameter with thermal insulation	mm	850	1030	1030	1240	1340
Diameter without thermal insulation	mm	650	790	790	1000	1100
Total height with thermal insulation	mm	1730	1940	2120	2250	2390
Tilting measure	mm	1930	2200	2360	2575	2745
Tilting without measure	mm	1750	1950	2125	2290	2450
Weight	kg	135	222	245	365	405

BSH	Art. no.	7701321	7701322	7701323	7701324	7701325
	€	3470.00	4120.00	4355.00	4860.00	5405.00

**Energy labelling according to the Ecodesign Directive for storage ≤ 500 Ltr.

Space-saving buffer tank made of steel with quality certificate incl. thermostatic water mixer

Hygienic hot water preparation using the instantaneous water heater principle with stainless steel hot water heat exchanger

Maintaining the temperature stratification in the buffer tank by using a circulation lance [accessory]

No hot water charging pump required

Low calcification tendency even up to 70°C

Increased solar yield through generously dimensioned solar heat exchangers and due to permanent cooling of the lower storage area during hot water preparation

Short-term higher available tapping capacity due to high water content of the hot water heat exchanger (48 - 80 litres depending on tank size)

Infinitely variable adjustment of the „ready part“ for hot water preparation by variable positioning of the hot water sensor via sensor terminal strip

Heat insulation removable for easy transport to the installation room

5 years warranty on upright storage

2 years on electrical and moving parts



SPU-2-W BUFFER CYLINDER FOR CENTRAL HEATING BACKUP

RG | H45

TYPE	SPU-2-W	500	800	1000	1500
Energy efficiency class	A+ → F	C			
Cylinder capacity	l	480	780	960	1500
connection [8 pce]	Rp	1 ½"	1 ½"	1 ½"	1 ½"
Dimensions					
Diameter with thermal insulation	mm	850	990	990	1200
Diameter without thermal insulation	mm	650	790	790	1000
Total height with thermal insulation	mm	1725	1785	2135	2235
Tilting measure	mm	1910	2050	2360	2540
Tilting without measure	mm	1670	1750	2090	2270
Weight	SPU-2-W kg	113	133	149	256

SPU-2-W	Art. no.	2483049	2483050	2483051	2483052
	€	1345.00	1785.00	2020.00	2885.00

Energy label in accordance with Eco Design Regulations for storage tanks ≤ 500 litres

Steel buffer cylinder with quality certificate

Eight ½" connections and four ½" connections in the cylinder wall

High grade thermal insulation with 100 mm thickness for low heat losses

5 year warranty on the floorstanding cylinder

Removable thermal insulation for easier manoeuvring into the installation room

2 year warranty on electrical and moving parts



SPU-2 (-PLUS) BUFFER CYLINDER FOR CENTRAL HEATING BACKUP

RG | H45

TYPE	SPU-2-500-1500 SPU-2 plus		500	800 800	1000 1000	1500 1500
Energy efficiency class	A+ → F		C			
Cylinder capacity	I		490	795	980	1530
Connection [8 pieces] SPU-2	Rp		490	795	980	1530
Connection [8 pieces] SPU-2 plus	Rp		1 ½"	1 ½"	1 ½"	1 ½"
Dimensions						
Diameter with thermal insulation	mm		850	990	990	1200
Diameter without thermal insulation	mm		650	790	790	1000
Total height with thermal insulation	mm		1725	1785	2135	2235
Tilting measure	mm		1910	2050	2360	2540
Tilting without measure	mm		1670	1750	2090	2270
Weight	kg		87	109	130	205

SPU-2-500-1500	Art. no.	2483045	2483046	2483047	2483048
	€	1175.00	1565.00	1720.00	2530.00
SPU-2 plus	Art. no.		2485528	2485529	2485530
	€		1730.00	1880.00	2695.00

Energy label in accordance with Eco Design Regulations for storage tanks ≤ 500 litres

Steel buffer cylinder in silver with quality certificate and steel smooth tube indirect coil

Eight 1/2" connections and four 1/2" connections in the cylinder wall

High grade thermal insulation with 100 mm thickness for low heat losses

5 year warranty on the floorstanding cylinder

Removable thermal insulation for easier manoeuvring into the installation room

2 year warranty on electrical and moving parts



SPU-2 BUFFER CYLINDER FOR CENTRAL HEATING BACKUP

RG | H45

TYPE	SPU-2-2000-5000	2000	3000	4000	5000
------	-----------------	------	------	------	------

Cylinder capacity	l	1950	2700	3950	4950
connection [8 pce]	Rp	2"	2"	2"	2"
Dimensions					
Diameter with thermal insulation	mm	1300	1450	1700	1800
Diameter without thermal insulation	mm	1100	1250	1500	1600
Total height with thermal insulation	mm	2480	2560	2670	2910
Tilting measure	mm	2800	2950	3150	3400
Tilting without measure	mm	2550	2650	2850	3100
Weight	kg	253	298	486	604

SPU-2-2000-5000	Art. no.	2484706	2484707	2484708	2484709
	€	3470.00	4105.00	5195.00	5495.00

* Delivery time on request

Steel buffer cylinder in silver with quality certificate

losses

Removable thermal insulation for easier manoeuvring into the installation room

5 year warranty on the floorstanding cylinder

Eight 2" connections and four ½" connections in the cylinder wall

2 year warranty on electrical and moving parts

High grade thermal insulation with 100 mm thickness for low heat



SPU-1 BUFFER CYLINDER FOR CENTRAL HEATING BACKUP

RG | H45

TYPE	SPU-1	200
Energy efficiency class	A+ → F	C
Cylinder capacity	l	200
connection [Spce]	Rp	1 ½"
Dimensions		610
Diameter with thermal insulation	mm	1140
Total height with thermal insulation	mm	1310
Tilting measure	mm	1310
Weight	kg	48

SPU-1	Art. no.	2483884
	€	785.00

Steel buffer cylinder with quality certificate

5 year warranty on the floorstanding cylinder

Five ½" connections

2 year warranty on electrical and moving parts

Suitable as separating cylinder or series cylinder for all heat pumps



**FRESH WATER STATION FWS-2-60
WITH HIGH EFFICIENCY PUMP (EEI <0.20) FOR
HYGIENIC HOT WATER PRODUCTION IN COMBI-
NATION WITH A PUFFER MEMORY**

FWS-2-60

Continuous hot water output up to 15 litres/min
¹⁾ or 25 litres/min ²⁾.

- for on-site wall mounting
- 2-piece cascade in combination with accessory set Excess pressure valve possible
- Highly efficient hot water circulation pump can be integrated as an accessory
- simple thermostatic temperature adjustment
- Prefabricated in design thermal insulation

continuous hot water output:

¹⁾ 70/25°C buffer VL/RL - 10/60°C hot water

²⁾ 65/18°C buffer VL/RL - 10/45°C hot water
with admixture of 10°C cold water at the tap

Dimensions: 400 x 600 x 305mm (W x H x D)



**FWS-2-80 FRESHWATER MODULE
WITH HIGH EFFICIENCY PUMPS (EEI <.20) FOR
HYGIENIC DHW HEATING IN COMBINATION WITH
A BUFFER CYLINDER**

FWS-2-80

Continuous DHW output up to 27 l/min ¹⁾, 40 l/min ²⁾ or 25 l/min ³⁾

Dimensions: 400 x 600 x 305 mm (W x H x D)

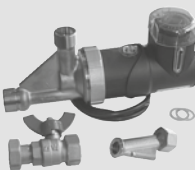
- Electronically controlled
- High DHW convenience
- Reduces limescale deposits by mixing fresh-water into the primary inlet of the heat exchanger
- Continuous output matching with variable speed pump
- For installation on the cylinder or wall on site
- High efficiency DHW circulation pump can be integrated as accessory
- Incl. flushing valves on the DHW side of the heat exchanger
- Incl. function for pasteurisation

Continuous DHW output at:

¹⁾ 70 °C buffer flow - 10/60 °C cold water/DHW

²⁾ 65 °C buffer flow - 10/45 °C cold water/DHW

³⁾ 50 °C buffer flow - 10/45 °C cold water/DHW



ZP-3 DHW CIRCULATION PUMP KIT
**To extend the FWS-2-6 and FWS-2-8 freshwater
modules**

Consisting of:

High efficiency DHW circulation pump, with thermostat shutdown and time switch, ball valve and offset fitting (activation from draw-off point or by means of integrated time switch)

for product	Art. no.	€	DG
FRESH WATER STATION FWS-2-60 WITH HIGH EFFICIENCY PUMP (EEI <0.20) FOR HYGIENIC HOT WATER PRODUCTION IN COMBI- NATION WITH A PUFFER MEMORY FWS-2-60 Continuous hot water output up to 15 litres/min ¹⁾ or 25 litres/min ²⁾ . - for on-site wall mounting - 2-piece cascade in combination with accessory set Excess pressure valve possible - Highly efficient hot water circulation pump can be integrated as an accessory - simple thermostatic temperature adjustment - Prefabricated in design thermal insulation continuous hot water output: ¹⁾ 70/25°C buffer VL/RL - 10/60°C hot water ²⁾ 65/18°C buffer VL/RL - 10/45°C hot water with admixture of 10°C cold water at the tap Dimensions: 400 x 600 x 305mm (W x H x D)	2074852	1445.00	H46
FWS-2-80 FRESHWATER MODULE WITH HIGH EFFICIENCY PUMPS (EEI <.20) FOR HYGIENIC DHW HEATING IN COMBINATION WITH A BUFFER CYLINDER FWS-2-80 Continuous DHW output up to 27 l/min ¹⁾ , 40 l/min ²⁾ or 25 l/min ³⁾ Dimensions: 400 x 600 x 305 mm (W x H x D) • Electronically controlled • High DHW convenience • Reduces limescale deposits by mixing fresh-water into the primary inlet of the heat exchanger • Continuous output matching with variable speed pump • For installation on the cylinder or wall on site • High efficiency DHW circulation pump can be integrated as accessory • Incl. flushing valves on the DHW side of the heat exchanger • Incl. function for pasteurisation Continuous DHW output at: ¹⁾ 70 °C buffer flow - 10/60 °C cold water/DHW ²⁾ 65 °C buffer flow - 10/45 °C cold water/DHW ³⁾ 50 °C buffer flow - 10/45 °C cold water/DHW	SPU-2, SPU-2-W 2072335	2470.00	H46
ZP-3 DHW CIRCULATION PUMP KIT To extend the FWS-2-6 and FWS-2-8 freshwater modules Consisting of: High efficiency DHW circulation pump, with thermostat shutdown and time switch, ball valve and offset fitting (activation from draw-off point or by means of integrated time switch)	FWS-2-60/80 2072359	476.00	H46

WOLF

ACCESSORIES FWS-2-60/80



DIFFERENTIAL PRESSURE OVERFLOW VALVE
Right angle version 1"
 To DHW cascade with 2 BSP stratification buffer cylinders
 Incl. threaded connection and flat gasket

for product

Art. no.

€

DG

Setting range: 50-500 mbar (values directly visible)
 Connection: 2 x 1" (DN25) female thread

FWS-2-60

2071237

140.00

H46



DHW CIRCULATION LANCE 1"
 For energy-optimised integration of the DHW circulation into the DHW connection

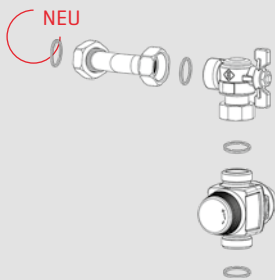
BSH

2483915

96.00

H46

Consisting of:
 DHW circulation connection Rp 1/2",
 DHW connection
 Rp 1", DHW circulation hose of stainless steel



RÜCKLAUFEINSCHICHTUNGSSET BSP | FWS-2

FWS-2-60, FWS-2-80, BSP

8616505

305,00

H46

Consisting of: Switching valve, angle valve and piping for installation in the FWS-2.

The accessory set enables a temperature-dependent stratification of the return flow of the fresh water station FWS-2 into the stratified buffer tank BSP.

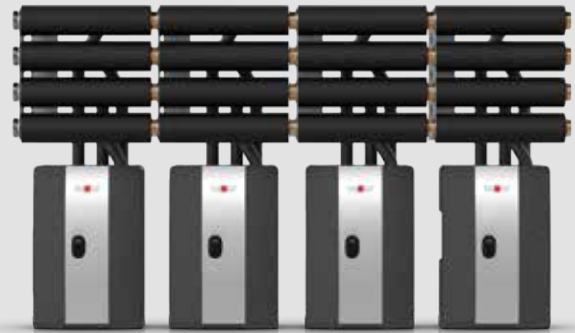
The set is particularly recommended for systems with circulation operation. It additionally improves the stratification in the storage tank. Depending on the set temperature, the return is integrated in the middle or at the bottom of the storage tank. The set can also be easily integrated into the FWS-2 fresh water station.

The piping between the FWS-2 fresh water station and the BSP buffer tank layers is provided by the customer.

FRESH WATER CASCADES FOR MAXIMUM FLEXIBILITY

FRESH WATER CASCADES FOR BUILDINGS WITH HIGH HOT WATER DEMAND

- Water heating for medium to large projects [tapping capacity up to 160 l/min]
- Up to 4 fresh water stations FWS-2-80 in cascade
- Modular design - flexibly expandable
- Quick and easy wall mounting: wall brackets on stations and piping
- Permanent hot water supply - even during maintenance
- Electronically controlled system
- Running time balancing and thermal disinfection as standard
- Low heat losses thanks to generous insulation
- Hydraulically designed for maximum efficiency and hygiene



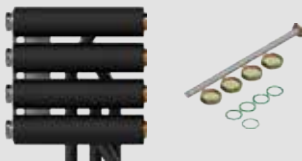
1. THE BASIC EQUIPMENT: FRESH WATER STATION FWS-2-80



2. BASIS OF THE CASCADE: MASTER CONTROLLER AND ONE CASCADE VALVE PER STATION



3. CONVENIENT EXPANSION: PIPING DN50 PER STATION + A HYGIENE SET



4. ACCESSORIES: CIRCULATION PUMP AND RETURN SWITCHING VALVES



CONFIGURATION

Depending on the power requirement, the cascade can be built up modularly according to the following table.

ART.-NO.	Benennung	Parts list cascade		
		x2	x3	x4
2072335	Fresh water station FWS-2-80	2	3	4
8616063	Cascade valve	2	3	4
8616065	Master controller FWS-2-	1	1	1
8616061	Cascade Piping set DN 50	2	3	4
8616062	Hygiene set	1	1	1

The above mentioned prices
are without obligation and without VAT.

WOLF STORAGE TANK SYSTEMS

	für Produkt	Art.-Nr.	€	RG
	MASTER CONTROLLER FWS-2-CASCADE For cascade control of 2 to 4 FWS-2-80. Control of the circulation pump and return stratification. Legionella disinfection function Running time balancing. Including 3x PT1000 temperature sensors.	FWS-2-80 Cascade	8616065	670,00 H41
	CASCADE VALVE 2-way ball valve DN 20 incl. servomotor for mounting on the cold water inlet of the FWS-2-80. For demand-controlled shutdown of individual stations.	FWS-2-80 Cascade	8616063	224,00 H46
	PIPING SET DN 50 expandable set of stainless steel pipes DN 50, insulated incl. fixing bracket for wall mounting. One set per FWS-2-80 Consisting of: Collector pipes and supply lines to the station, insulated, connection dimension DN50 (stainless steel), incl. mounting bracket for easy and quick installation, DVGW ball valve for mounting at the hot water outlet.	FWS-2-80 Cascade	8616061	1110,00 H46
	One hygiene set required per cascade.			
	HYGIENESET for installation in a cascade piping system for complete flushing of the piping system Consisting of: 1 hygienic lance for installation in the hot water outlet. 4 blind caps 2" for closing the distribution pipes. Incl. seals.	Piping set DN 50	8616062	260,00 H46
	CIRCULATION PUMP Infinitely variable high-efficiency pump for drinking water circulation 7m delivery head	FWS-2-80 Cascade	2074798	277,00 H46
	3-WAY MIXER as a return switching valve to avoid the mixing of the storage tank DN25, kvs 10 DN32, kvs 16 DN40, kvs 25		2744674 2744675 2744676	85,00 H40 90,00 H40 129,00 H40
	SERVOMOTOR 230V~/50HZ, 6NM for 3-way switching valve [Art.-No. 27 44 913] 30 sec., 90°, 2-point control signal		2269612	243,00 H46



**Fresh water station with high-efficiency pump
(EEI < 0.23) for hygienic hot water preparation
hot water preparation with buffer tank**

- Optimized for integration into building management systems
- Regulation „Station charging module ECL Comfor 310“
- large plate heat exchanger
- infinitely variable power adjustment with speed-controlled pumps
- with integrated hot water circulation
- hydraulically and electrically assembled and programmed ready for installation
- floor standing, complete with heat insulation hood
- incl. all necessary fittings

Dimensions [W x H x D] [mm]:

FWS-2-140 max: 847 x 1890 x 488

FWS-2-350 max: 935 x 1962 x 488

FWS-2-455 max: 935 x 1962 x 488

* at 130 mm foot height.

The foot height is adjustable from 110 - 160 mm

Hot water continuous output:

140kW = 40 Ltr./min1 > FWS-2-140

350kW = 100 Ltr./min1 > FWS-2-350

455kW = 130 Ltr./min1 > FWS-2-455

Hot water continuous output at nominal design

1) 70/25°C buffer VL/RL - 10/60°C cold/hot water addition 10°C cold water at the tap

FWS-2-140 max	SPU / SPU-2-W	2074581	8440,00	H42
FWS-2-350 max	SPU / SPU-2-W	2074582	10305,00	H42
FWS-2-455 max	SPU / SPU-2-W	2074583	11830,00	H42



RETURN STRATIFICATION KITS

Consisting of:

- 3-way diverter valve
- 2 cable sensors PT1 for heating return and buffer cylinder
- 2 cable glands for the temperature sensors
- 2 mm sensor well for cylinder sensor

DN20	FWS-2-140	2484927	955,00	H42
DN25	FWS-2-350	2484928	1065,00	H42
DN32	FWS-2-455	2484929	1890,00	H42



SEM-1 DHW SOLAR CYLINDER

RG | H45

TYPE	SEM-1	500	750	1000
Energy efficiency class**	A+ → F	C		
Cylinder capacity	l	500	750	935
Continuous cylinder output of heating *80/60-10/45°C	kW/l/h	20 - 490	50 - 1200	50 - 1200
Output factor of heating	NL60	6,0	13,5	18,0
Dimensions				
Diameter with thermal insulation	mm	850	1000	1000
Diameter without thermal insulation	mm		800	800
Tilting measure	mm	1935	2030	2350
Weight	kg	182	290	350

SEM-1	Art. no.	2444850	2444875	2444810
	€	2195.00	2935.00	3640.00

* Heating water flow/heating water return - Cold water/hot water

** Energy labeling according to Ecodesign Directive for storage tanks ≤ 500 ltr.

Steel DHW solar cylinder with quality certificate, two-layer enamel coating and two smooth tube indirect coils

High grade rigid PUR foam or polyester fleece thermal insulation below the foil jacket of the cylinder for low heat losses

Large indirect coil, fitted low down in the cylinder, ensures short heat-up times and a high continuous DHW output

Side flange for maintenance

Connection for an electric booster heater

Optimised ratio between diameter and height for good temperature stratification

5 year warranty on the floorstanding cylinder

2 year warranty on electrical and moving parts



SEM-2 DHW SOLAR CYLINDER

RG | H45

TYPE	SEM-2	300	400
Energy efficiency class	A+ → F	C	C
Cylinder capacity	l	285	385
Continuous cylinder output of heating *80/60-10/45°C	kW/l/h	20 - 490	20 - 490
Output factor of heating	NL60	2.3	4.8
Dimensions			
Diameter with thermal insulation	mm	600	701
Tilting measure	mm	1898	1820
Weight	kg	130	152

SEM-2	Art. no.	2483737	2483738
	€	1520.00	1845.00

* heating water supply/heating water return - cold/hot water

Steel DHW solar cylinder with quality certificate, two-layer enamel coating and two smooth tube indirect coils

High grade rigid PUR foam or polyester fleece thermal insulation below the foil jacket of the cylinder for low heat losses

Large indirect coil, fitted low down in the cylinder, ensures short heat-up times and a high continuous DHW output

Side flange for maintenance

Connection for an electric booster heater

Optimised ratio between diameter and height for good temperature stratification

5 year warranty on the floorstanding cylinder

2 year warranty on electrical and moving parts

WOLF ACCESSORIES



E2
Electric booster heater with
cylinder temperature controller
2 kW / 1 x 230 V

for product

Art. no.

€

DG

SEM-1, SEM-2, SE-2

2792007

267.00

H46



E4,5
Electric booster heater with
cylinder temperature controller
4.5 kW / 3 x 400V

SEM-1, SEM-2, SE-2

2792012

439.00

H46



E6
Electric booster heater with
cylinder temperature controller
6 kW / 3 x 400V

SEM-1, SEM-2, SE-2

2792017

455.00

H46



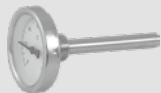
HIGH EFFICIENCY CHARGING PUMP 1" (EEI < 0.23)

SEM-1, SEM-2

8908149

281.00

H46



THERMOMETER

SEW-1-300/400, SEM-1W-360, SEM-1, SEM-2

2039052

27.60

H41



IMPRESSED CURRENT ANODE

SE-2, CSZ-2, SEM-1, SEM-2

2445000

257.00

H46

For enamelled cylinder



SOLAR CONNECTION KIT
for solar pump group 10
for direct mounting on the
Hot water solar cylinder SEM-2

SEM-2

7701167

17.50

H46



SEM-1W HOT WATER SOLAR STORAGE FOR HEAT PUMP

RG | H45

TYPE	SEM-1W	360
Energy efficiency class**	A+ → F	C
Heating capacity	kW	12
Cylinder capacity	l	365
Continuous cylinder output of heating *80/60-10/45°C	kW/l/h	90 - 2210
Output factor of heating	NL60	3,0
Dimensions		
Diameter with thermal insulation	mm	705
Tilting measure	mm	1740
Weight	kg	185

SEM-1W	Art. no.	2484202
	€	2145.00

* Heating water supply/heating water return - Cold water/hot water

** Energy labelling according to the Ecodesign Directive for storage ≤ 500 Ltr.

Steel solar storage tank with quality certificate and double layer enamelling with two smooth pipe heat exchangers

Low heat loss due to high-quality PU hard foam under the foil jacket of the storage tank

Large heat exchanger surfaces ensure short heat-up times and high hot water continuous output

Lateral flange for easy maintenance

Connection for auxiliary electric heating

Optimized diameter/height ratio for good temperature stratification

5 years warranty on upright storage

2 years on electrical and moving parts



SE-2 HOT WATER TANK

RG | H45

TYPE	SE-2	150	200	300
Energy efficiency class**	A+ → F	B	B	C
Cylinder capacity	l	140	195	285
Performance factor	NL	2,0	3,5	7,5
Continuous cylinder output of heating *80/60-10/45°C	kW/l/h	28 - 700	28 - 700	40 - 1000
Dimensions				
Diameter with thermal insulation	mm	600	600	600
Diameter without thermal insulation	mm	1150	1350	1860
Tilting measure	mm	1150	1350	1860
Weight	kg	55	82	115

silber	SE-2	Art. no.	2444170	2444171	2444172
		€	1070.00	1190.00	1505.00
weiss	SE-2	Art. no.	2444176	2444177	
		€	1070.00	1190.00	

**Energy labeling according to Ecodesign Directive for storage tanks ≤ 500 Ltr.

*Heating water flow/heating water return - cold water/hot water

Steel DHW cylinder with quality certificate, two-layer enamel coating and one internal smooth tube indirect coil

Inspection and cleaning apertures for easy maintenance

High grade rigid PUR foam thermal insulation below the foil jacket of the cylinder for low heat losses

The interior of the cylinder and the indirect coil are protected from corrosion by a two-layer enamel coating and a protective magnesium anode [SE-2-750 with impressed current anode]

Large indirect coil, fitted low down in the cylinder, for short heat-up

times and a high continuous DHW output

Connection for an electric booster heater

Optimised ratio between diameter and height for good temperature stratification

5 year warranty on the floorstanding cylinder

2 year warranty on electrical and moving parts



SE-2 HOT WATER TANK

RG | H45

TYPE	SE-2	400	500	750
Energy efficiency class**	A+ → F	C	C	
Cylinder capacity	l	380	485	750
Performance factor	NL	11,0	15,0	24,0
Continuous cylinder output of heating *80/60-10/45°C	kW/l/h	45 - 1100	53 - 1300	60 - 1500
Dimensions				
Diameter with thermal insulation	mm	670	750	990
Diameter without thermal insulation		-	-	790
Tilting measure	mm	1925	1960	1940
Weight	kg	160	166	260

SE-2	Art. no.	2444165	2444166	2444167
	€	1930.00	2225.00	3015.00

**Energy labeling according to Ecodesign Directive for storage tanks ≤ 500 Ltr.

*Heating water flow/heating water return - cold water/hot water

Steel DHW cylinder with quality certificate, two-layer enamel coating and one internal smooth tube indirect coil

Inspection and cleaning apertures for easy maintenance

High grade rigid PUR foam thermal insulation below the foil jacket of the cylinder for low heat losses

The interior of the cylinder and the indirect coil are protected from corrosion by a two-layer enamel coating and a protective magnesium anode (SE-2-750 with impressed current anode)

Large indirect coil, fitted low down in the cylinder, for short heat-up

times and a high continuous DHW output







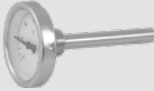



Connection for an electric booster heater

Optimised ratio between diameter and height for good temperature stratification

5 year warranty on the floorstanding cylinder

2 year warranty on electrical and moving parts

WOLF ACCESSORIES

	for product	Art. no.	€	DG
	FROST STAT SP-1 Incl. sensor well (to be mounted in the return)	TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2797005	52.00 H41
	E2 Electric booster heater with cylinder temperature controller 2 kW / 1 x 230 V	SEM-1, SEM-2	2792007	267.00 H46
	E4,5 Electric booster heater with cylinder temperature controller 4.5 kW / 3 x 400V	SEM-1, SEM-2	2792012	439.00 H46
	E6 Electric booster heater with cylinder temperature controller 6 kW / 3 x 400V	SEM-1, SEM-2	2792017	455.00 H46
	HIGH EFFICIENCY CHARGING PUMP 3/4" [EEI < 0.23] For SE-2-150/200		8908142	213.00 H46
	HIGH EFFICIENCY CHARGING PUMP 1" [EEI < 0.23]	SEM-1, SEM-2	8908149	281.00 H46
	THERMOMETER	SEW-1-300/400, SEM-1W-360	2039052	27.60 H41
	IMPRESSED CURRENT ANODE For enamelled cylinder	SE-2, CSZ-2, SEM-1, SEM-2	2445000	257.00 H46
	CYLINDER TEMPERATURE SENSOR With round blue plug		279905499	53.00 H41
	TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE Can be used as a cylinder, boiler, central unit and supply air temperature sensor		8852829	62.00 H41



	for product	Art. no.	€	DG
LIFTING SLINGS Consisting of 2 tension belts each with two support loops	SE-2-150 - 500	2444140	63.00	H46
	SEM-1-500			
	SEM-2-300 - 400			



SEW-2 DHW CYLINDER FOR SPLIT HEAT PUMP

RG | H45

TYPE	SEW-2	200
Energieeffizienzklasse		
Energy efficiency class	A+ → F	
Energy efficiency class	A+ → F	C
Heating capacity	kW	14
Cylinder capacity	l	190
Continuous cylinder output of heating *80/60-10/45°C	kW/l/h	
Output factor of heating	NL60	3.0
Dimensions		
Diameter with thermal insulation	mm	605
Tilting measure	mm	1410
Weight	kg	75

SEW-2	Art. no.	2484855
	€	1445.00

* Heating water supply/heating water return - Cold water/hot water

** Energy labelling according to the Ecodesign Directive for storage ≤ 500 Ltr.

Only for use with BWL-1S[B]

Smooth tube indirect coil for short heat-up times and convenient
DHW heating

Highly effective rigid PUR foam thermal insulation below the foil ja-
cket for low heat losses; silver

The interior of the cylinder is protected against corrosion by a spe-
cial enamel coating and sacrificial magnesium anode

Inspection and cleaning apertures for easy maintenance



SEW-1 DHW CYLINDER FOR HEAT PUMP

RG | H45

TYPE	SEW-1	300	400
Energieeffizienzklasse			
Energy efficiency class	A+ → F		
Energy efficiency class	A+ → F	C	C
Heating capacity	kW	14	20
Cylinder capacity	l	280	360
Continuous cylinder output of heating *80/60-10/45°C	kW/l/h	90 - 2210	125 - 3070
Output factor of heating	NL60	7.0	10.0
Dimensions			
Diameter with thermal insulation	mm	705	705
Tilting measure	mm	1485	1805
Weight	kg	134	185

SEW-1	Art. no.	2483881	2483882
	€	2070.00	2495.00

* Heating water supply/heating water return - Cold water/hot water

** Energy labelling according to the Ecodesign Directive for storage ≤ 500 Ltr.

Smooth tube indirect coil for short heat-up times and convenient DHW heating

cial enamel coating and sacrificial magnesium anode

Highly effective rigid PUR foam thermal insulation below the foil jacket for low heat losses; silver

Inspection and cleaning apertures for easy maintenance

The interior of the cylinder is protected against corrosion by a spe-

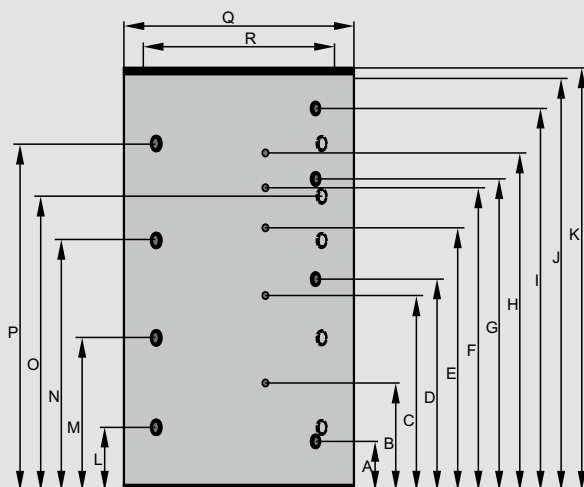
WOLF

TECHNICAL DATA

STRATIFICATION BUFFER CYLINDER

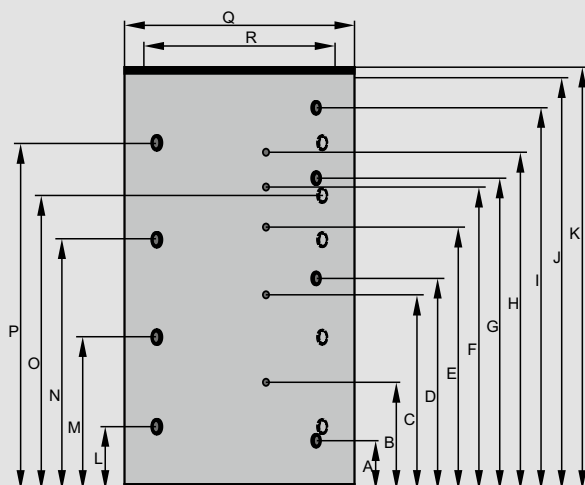
BSP-1000 (B)

BSP-SL-1000



TYP	BSP BSP-SL	800	1000	1000B	- 1000
Memory content	Ltr.	785	915	915	900
standby heat input	kWh/24h	3,18	3,22	3,22	3,22
Solar return (lower heat exchanger)	A mm	230	230	-	230
Solar sensor (lower heat exchanger)	B mm	490	550	-	550
Sensor Changeover valve	C mm	800	950	-	950
Solar flow (lower heat exchanger)	D mm	910	1030	-	1030
collector sensor	E mm	1200	1350	1350	1350
storage sensor	F mm	1350	1510	1510	1510
Solar return (upper heat exchanger)	G mm	-	-	-	1443
Solar sensor (upper heat exchanger)	H mm	-	-	-	1610
Solar flow (upper heat exchanger)	I mm	-	-	-	1780
Total height without thermal insulation	J mm	1755	2040	2040	2040
Total height with thermal insulation	K mm	1825	2110	2110	2110
connection	L mm	260	310	310	310
connection	M mm	630	745	745	745
connection	N mm	1030	1250	1250	1250
connection	O mm	-	1430	1430	1430
connection	P mm	1430	1710	1710	1710
Diameter with thermal insulation	Q mm	1000	1000	1000	1000
Diameter without thermal insulation	R mm	790	790	790	790
Tilting dimension without thermal insulation	mm	1788	2068	2068	2068
Flow / Return Solar	G	1"	1"	-	1"
connection	G (IG)	1½"	1½"	1 ½"	1½"
Probe (4 pieces) Inner diameter (for BSP-SL/BSP-W-SL 5 pieces)	mm	10	10	10	10
Heat exchanger surface solar lower / upper WT	m²	2,5 / -	3,0 / -	-	3,0 / 1,9
Heat exchanger capacity Solar lower / upper WT	Ltr.	16,5 / -	19,8 / -	-	19,8 / 11,0
max. operating pressure tank	bar	3	3	3	3
max. operating pressure heat exchanger	bar	6	6	-	6
max. operating temperature tank	°C	95	95	95	95
Weight	kg	171	194	194	215

STRATIFICATION BUFFER CYLINDER
BSP-W-/1000[B]
BSP-W-SL-1000



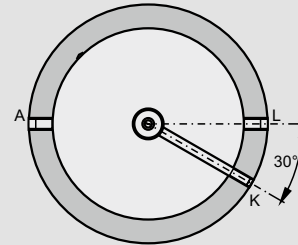
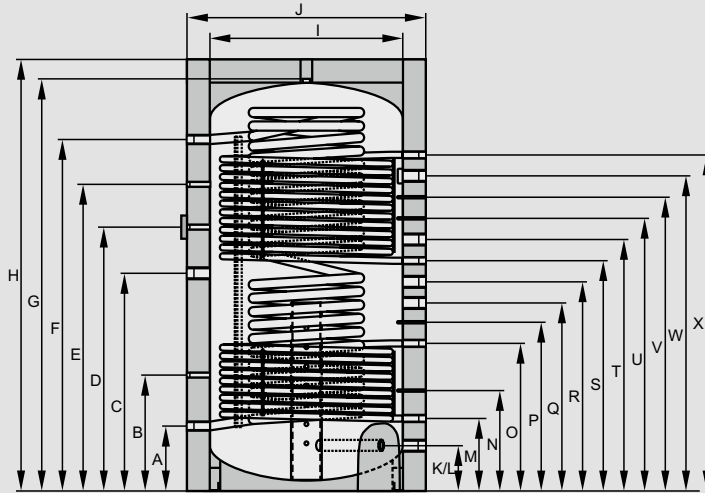
TYP	BSP-W BSP-W-SL	1000 -	1000B -	- 1000
memory content	Ltr.	915	915	900
standby heat input	kWh/24h	3,22	3,22	3,22
Solar return (lower heat exchanger)	A mm	230	-	230
Solar sensor (lower heat exchanger)	B mm	550	-	550
Sensor Changeover valve	C mm	950	-	950
Solar flow (lower heat exchanger)	D mm	1030	-	1030
collector sensor	E mm	1350	1350	1350
storage sensor	F mm	1510	1510	1510
Solar return (upper heat exchanger)	G mm	-	-	1443
Solar sensor (upper heat exchanger)	H mm	-	-	1610
Solar flow (upper heat exchanger)	I mm	-	-	1780
Total height without thermal insulation	J mm	2040	2040	2040
Total height with thermal insulation	K mm	2110	2110	2110
connection	L mm	310	310	310
connection	M mm	745	745	745
connection	N mm	1250	1250	1250
connection	O mm	1430	1430	1430
connection	P mm	1710	1710	1710
Diameter with thermal insulation	Q mm	1000	1000	1000
Diameter without thermal insulation	R mm	790	790	790
Tilting dimension without thermal insulation	mm	2068	2068	2068
Flow / Return Solar	G	1"	-	1"
connection	G (IG)	1 1/2"	1 1/2"	1 1/2"
Probe (4 pieces) Inner diameter (for BSP-SL/BSP-W-SL 5 pieces)	mm	10	10	10
Heat exchanger surface solar lower / upper WT	m²	3,0 / -	-	3,0 / 1,9
Heat exchanger capacity Solar lower / upper WT	Ltr.	19,8 / -	-	19,8 / 11,0
max. operating pressure tank	bar	3	3	3
max. operating pressure heat exchanger	bar	6	-	6
max. operating temperature tank	°C	95	95	95
Weight	kg	194	194	215

WOLF

TECHNICAL DATA

BUFFER MEMORY

BSH-500/800/1000/1500/2000



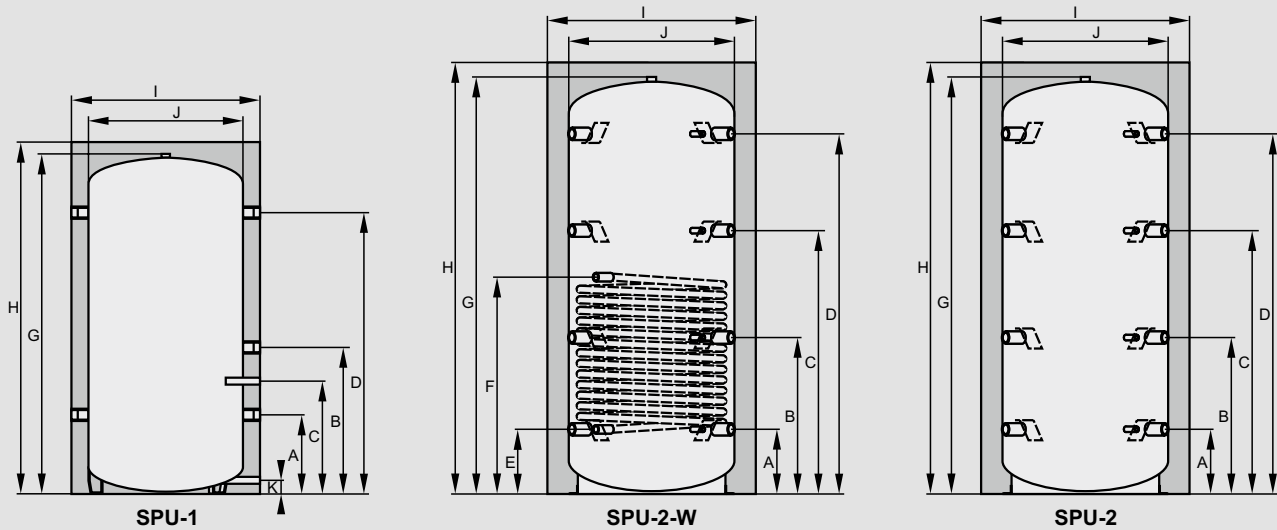
TYP	BSH	500	800	1000	1500	2000
Total memory content	Ltr.	495	800	900	1500	1965
standby heat input	kWh/24h	1,9	2,32	2,4	3,03	3,6
hot water content	Ltr.	48	60	60	70	80
continuous storage capacity ¹⁾	kW - Ltr./h	24 - 594	38 - 940	50 - 1200	75 - 1848	100 - 2515
performance indicator ¹⁾	N _L	2,1	4,3	5,4	6,5	7,6
cold water connection	A mm	240	270	270	335	350
Thermometer / Sensor	B mm	440	570	580	600	750
electric booster heater	C mm	820	920	1130	1130	1210
thermometers	D mm	1150	1290	1500	1500	1470
Thermometer / Sensor	E mm	-	-	-	-	1730
hot water connection	F mm	1420	1580	1760	1825	1950
Height without thermal insulation / ventilation	G mm	1650	1840	2020	2150	2290
Height with thermal insulation	H mm	1730	1940	2120	2250	2390
Diameter without thermal insulation	I mm	650	790	790	1000	1100
Diameter with thermal insulation	J mm	850	1030	1030	1240	1340
Return flow layering / connection	K / L mm	150	170	170	235	250
Return solar bottom	M mm	280	310	310	375	390
Immersion sleeve Storage tank sensor Solar bottom	N mm	490	465	495	520	630
Flow solar bottom	O mm	700	670	730	765	870
Thermowell Buffer sensor	P mm	800	770	840	875	970
connection	Q mm	910	870	950	975	1080
connection	R mm	1020	980	1060	1085	1190
Return solar top	S mm	-	1090	1210	1195	1300
connection	T mm	-	-	-	1305	1410
Immersion sleeve Storage tank sensor	U mm	1150	1190	1330	1415	1520
Thermowell Storage tank sensor Solar top	V mm	-	1290	1450	1525	1640
connection	W mm	1400	1390	1520	1635	1760
Flow solar top	X mm	-	1500	1680	1745	1870
Tilting dimension without thermal insulation	mm	1750	1950	2125	2290	2450
Tilting dimension with thermal insulation	mm	1930	2200	2360	2575	2745
Flow Solar / Return Solar / Ventilation	G [IG]	1"	1"	1"	1"	1"
Cold water / warm water connection	G [IG]	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Thermometer / Sensor	G [IG]	1/2"	1/2"	1/2"	1/2"	1/2"
Connection Q, R, T, W and C	G [IG]	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Return flow layering / connection L	G [IG]	1 1/4"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Thermowell inner diameter	mm	10	10	10	10	10
Heat exchanger surface solar bottom / top	m ²	2,3 / -	3,0 / 2,0	3,0 / 3,0	3,0 / 3,5	5,5 / 4,2
Heat exchanger capacity solar bottom / top	Ltr.	9,8 / -	12,1 / 7,7	12,1 / 12,1	15,0 / 20,2	22,7 / 18,4
Heat exchanger surface Hot water	m ²	5,6	7,1	7,1	8,2	9,4
max. operating pressure hot water / solar	bar	10	10	10	10	10
Max. operating overpressure Heating water	bar	3	3	3	3	3
max. operating temperature	°C	95	95	95	95	95
Weight	kg	135	220	245	365	405

¹⁾ 10/45°C (hot water temperature), 70°C (buffer temperature)

BUFFER CYLINDER

SPU-1-200

SPU-2-W / SPU-2-500/800/1000/1500



TYPE		SPU-1 SPU-2[W]	200 -	- 500	- 800	- 1000	- 1500
Cylinder capacity							
SPU-1	Ltr.		200	-	-	-	-
SPU-2-W	Ltr.		-	480	780	960	1500
SPU-2	Ltr.		-	490	795	980	1530
Standby heat loss							
SPU-1	kWh/24h		1,55	-	-	-	-
SPU-2-W	kWh/24h		-	2,03	2,59	3,02	3,67
Connection / thermometer / sensor strip	A mm		256	220	260	310	380
Connection / thermometer / sensor strip	B mm		460	620	630	745	825
Sensor well	C mm		358	-	-	-	-
Connection / thermometer / sensor strip	C mm		-	1010	1030	1250	1350
Connection / thermometer / sensor strip	D mm		910	1390	1430	1710	1760
Indirect coil return *	E mm		-	220	260	310	375
Indirect coil flow *	F mm		-	715	845	1030	1175
Height excl. thermal insulation / air vent valve	G mm		-	1640	1700	2050	2150
Height incl. thermal insulation	H mm		1140	1725	1785	2135	2235
Diameter incl. thermal insulation	I mm		610	850	990	990	1200
Diameter excl. thermal insulation	J mm		-	650	790	790	1000
Drain	K mm		85	-	-	-	-
Height when tilted, incl. thermal insulation	mm		1310	1910	2050	2360	2540
Height of unit when tilted, excl. thermal insulation	mm		-	1670	1750	2090	2270
Connection [5 pcs]	Rp		1½"	-	-	-	-
Connection [8 pcs]	Rp		-	1½"	1½"	1½"	1½"
Sensor well	Rp		½"	-	-	-	-
Thermometers [4 pcs]	Rp		-	½"	½"	½"	½"
Air vent valve	Rp		1"	1½"	1½"	1½"	1½"
Drain	Rp		½"	-	-	-	-
Indirect coil connection *	Rp		-	1"	1"	1"	1"
Heat exchanger surface area [heating]	m²		-	1,8	2,4	3	3,6
Heat exchanger capacity [heating]	Ltr.		-	11	15	19	22
Max. operating pressure, primary * / secondary	bar		- / 3	10. Mrz	10. Mrz	10. Mrz	10. Mrz
Max. operating temperature, primary * / secondary	°C		- / 95	110 / 95	110 / 95	110 / 95	110 / 95
Weight							
SPU-1	kg		48	-	-	-	-
SPU-2-W	kg		-	113	133	149	256
SPU-2	kg		-	87	109	130	205

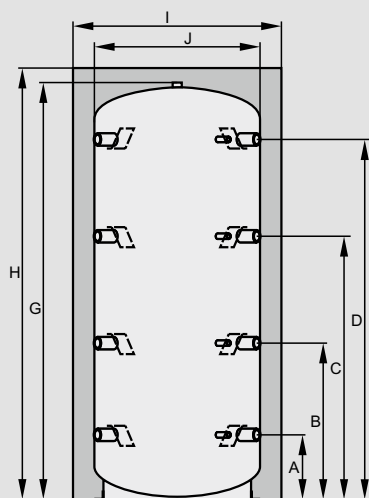
* just for SPU-2-W

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TECHNICAL DATA

BUFFER CYLINDER

SPU-2-2000/3000/4000/5000



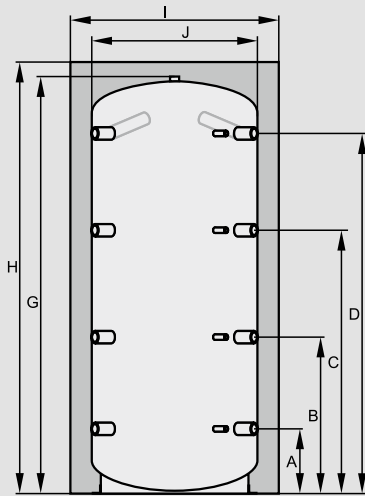
SPU-2

TYPE	SPU-2	2000	3000	4000	5000
Cylinder capacity	Ltr.	1950	2700	3950	4950
Standby heat loss	kWh/24h	4,28	-	-	-
Connection / thermometer / sensor strip	A mm	395	435	490	510
Connection / thermometer / sensor strip	B mm	950	995	1050	1135
Sensor well	C mm	-	-	-	-
Connection / thermometer / sensor strip	C mm	1510	1555	1610	1760
Connection / thermometer / sensor strip	D mm	2070	2115	2170	2390
Indirect coil return *	E mm	-	-	-	-
Indirect coil flow *	F mm	-	-	-	-
Height excl. thermal insulation / air vent valve	G mm	2400	2480	2590	2830
Height incl. thermal insulation	H mm	2480	2560	2670	2910
Diameter incl. thermal insulation	I mm	1300	1450	1700	1800
Diameter excl. thermal insulation	J mm	1100	1250	1500	1600
Drain	K mm	-	-	-	-
Height when tilted, incl. thermal insulation	mm	2800	2950	3150	3400
Height of unit when tilted, excl. thermal insulation	mm	2550	2650	2850	3100
Connection [8 pcs]	Rp	2"	2"	2"	2"
Thermometers [4 pcs]	Rp	1/2"	1/2"	1/2"	1/2"
Air vent valve	Rp	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Max. operating pressure, primary * / secondary	bar	- / 3	- / 3	- / 3	- / 3
Max. operating temperature, primary * / secondary	°C	- / 95	- / 95	- / 95	- / 95
Weight	kg	253	298	486	603

* just for PSU-2*W

BUFFER CYLINDER

SPU-2-800/1000/1500 plus



TYPE	SPU-2 plus	800	1000	1500
Cylinder capacity		795	980	1530
SPU-2 plus				
Standby heat loss		2,59	3,02	3,67
Connection / thermometer / sensor strip	A mm	260	310	380
Connection / thermometer / sensor strip	B mm	630	745	825
Sensor well	C mm	-	-	-
Connection / thermometer / sensor strip	C mm	1030	1250	1350
Connection / thermometer / sensor strip	D mm	1430	1710	1760
Height excl. thermal insulation / air vent valve	G mm	1700	2050	2150
Height incl. thermal insulation	H mm	1785	2135	2235
Diameter incl. thermal insulation	I mm	990	990	1200
Diameter excl. thermal insulation	J mm	790	790	1000
Drain	K mm	-	-	-
Height when tilted, incl. thermal insulation	mm	2050	2360	2540
Height of unit when tilted, excl. thermal insulation	mm	1750	2090	2270
Connection [5 pcs]	Rp	-	-	-
Connection [8 pcs]	Rp	2"	2"	2"
Sensor well	Rp	-	-	-
Thermometers [4 pcs]	Rp	½"	½"	½"
Air vent valve	Rp	1½"	1½"	1½"
Drain	Rp	-	-	-
Max. operating pressure, primary * / secondary	bar	3	3	3
Max. operating temperature, primary * / secondary	°C	95	95	95
Weight		112	133	210
SPU-2-plus				

* just for XPU-2 plus

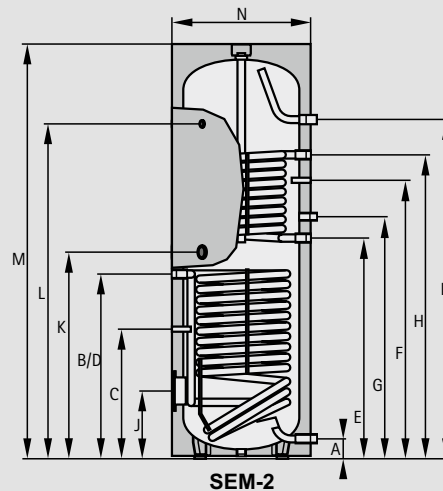
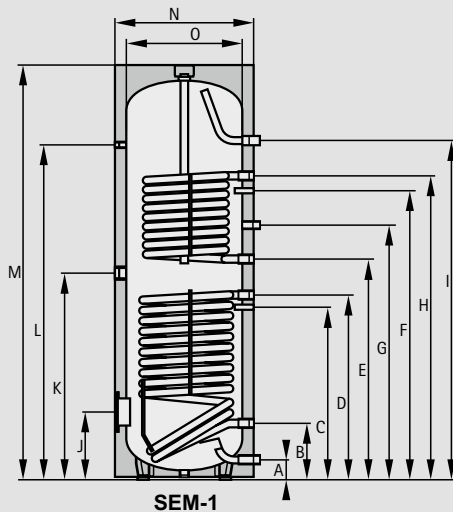
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TECHNICAL DATA

HOT-WATER SOLAR STORAGE CYLINDER

SEM-1-500/750/1000

SEM-2-300/400



TYPE	SEM-1 SEM-2	-300	-400	500	500	500
Cylinder capacity	Ltr.	285	385	500	750	935
Standby heat loss	kWh/24h	1,92	2,41	2,44	2,73	3,2
Continuous cylinder output 80/60 - 10/45 °C (heating)	kW - Ltr./h	20 - 490	20 - 490	20 - 490	50 - 1200	50 - 1200
Performance factor (heating)	NL	2,3	4,8	6	13,5	18
Cold water connection	A mm	90	55	99	220	220
Solar return	B mm	815	874	305	345	345
Cylinder sensor, solar	C mm	506	416	586	603	603
Solar flow	D mm	815	874	865	920	975
Heating return	E mm	974	987	985	1025	1340
Cylinder sensor, heating	F mm	1154	1204	1160	1185	1500
DHW circulation	G mm	1077	1092	1195	1290	1605
Heating flow	H mm	1334	1335	1335	1475	1790
DHW connection	I mm	1728	1586	1451	1590	1940
Flange (bottom)	J mm	324	275	335	384	384
Electric booster heater	K mm	887	915	949	970	1145
Thermometer	L mm	1504	1416	1404	1460	1810
Total height	M mm	1794	1651	1780	1850	2200
Diameter incl. thermal insulation	N mm	600	701	850	1000	1000
Diameter excl. thermal insulation	O mm	-	-	-	800	800
Height when tilted, incl. thermal insulation	mm	1898	1820	1935	2030	2350
Primary heating water	bar/°C	10/110	10/110	10/110	10/110	10/110
Secondary DHW	bar/°C	34/97/3	34/97/3	34/97/3	34/97/3	34/97/3
Internal flange diameter	mm	110	110	114	114	114
Cold water connection	G [IG]	1" *	1" *	1"	1¼"	1¼"
Heating flow/return	G [IG]	1"	1"	1"	1¼"	1¼"
Solar flow/return	G [IG]	¾" **	¾" **	1"	1¼"	1¼"
DHW circulation	G [IG]	¾"	¾"	¾"	1"	1"
DHW connection	G [IG]	1" *	1" *	1"	1¼"	1¼"
Electric booster heater	G [IG]	1½"	1½"	1½"	1½"	1½"
Thermometer	G [IG]	½"	½"	½"	½"	½"
Heat exchanger surface area (heating)	m²	1	1	1	1,5	1,5
Heat exchanger surface area (solar)	m²	1,3	1,8	1,8	2,1	2,4
Heat exchanger capacity (heating)	Ltr.	6,6	7	6,1	9,2	9,2
Heat exchanger capacity (solar)	Ltr.	9	12,8	11,5	13,5	14,5
Weight	kg	130	159	182	290	350

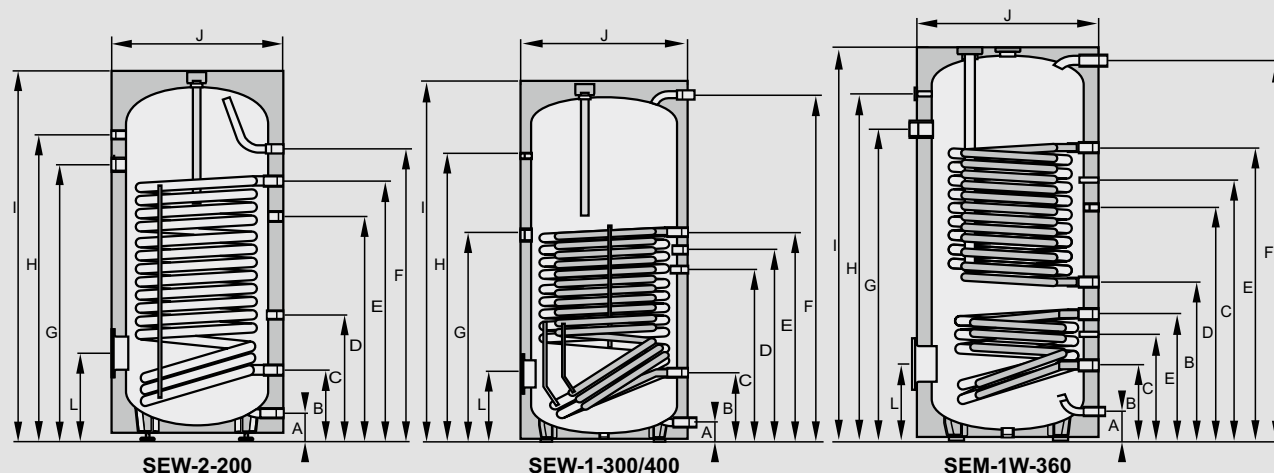
*G [IG]

HOT WATER STORAGE / HOT WATER SOLAR STORAGE CYLINDER

SEW-1-300/400

SEW-2-200

SEM-1W-360



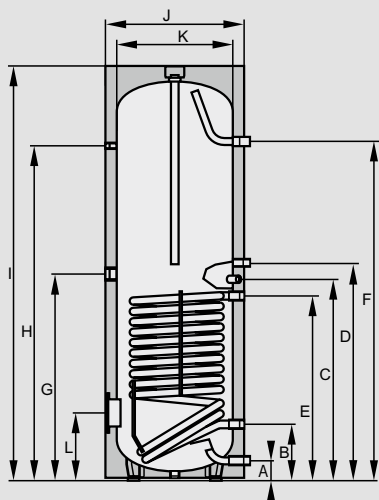
TYPE	SEW	2-200	1-300	1-400	SEM-1W-360
Cylinder capacity	Ltr.	190	290	375	365
Standby heat loss	kWh/24h	1,55	1,7	2,1	2,04
Continuous cylinder output tv 80/60 °C - tww 10/45 °C	kW - Ltr./h	20/490	90/2210	125/3070	90/2210
Performance factor [heating]	NL60	3	7	10	3
Performance factor [heating]	NL50	1,6	3,5	5	1,6
Heat-up time 14 kW - 10-50 °C	min	60	58	75	71
Cold water connection	A mm	95	55	55	55
Heating/solar return	B mm	245	222/-	222/-	606/221
Cylinder sensor, heating / solar	C mm	435	656/-	791/-	965/385
DHW circulation	D mm	780	786	921	860
Heating/solar flow	E mm	905	886/-	1156/-	1146/470
DHW connection	F mm	1015	1229	1586	1526
Electric booster heater (opt.)	G mm	960	912	1174	1210
Thermometer connection	H mm	1065	1069	1426	1355
Total height	I mm	1290	1310	1660	1630
Diameter incl. insulation	J mm	605	705	705	705
Service flange	L mm	302	277	277	276
Height when tilted	mm	1410	1485	1805	1740
Primary heating water	bar/°C	10/110	10/110	10/110	10/110
Secondary DHW	bar/°C	10/95	10/95	10/95	10/95
Internal flange diameter	mm	DN 110	DN 110	DN 110	DN 110
Cold water connection	G [AG]	1"	1 1/4"	1 1/4"	1"
Heating/solar return	G [AG]	1"	1 1/4"	1 1/4"	1 1/4"
DHW circulation	G [AG]	3/4"	3/4"	3/4"	3/4"
Heating/solar flow	G [AG]	1 1/4"	1 1/4"	1 1/4"	1 1/4"
DHW connection	G [AG]	1"	1 1/4"	1 1/4"	1"
Sacrificial anode	G [IG]	1 1/2"	1 1/4"	1 1/4"	1 1/4"
Electric booster heater	G [IG]	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Sensor well, cylinder sensor (mounted)	G [IG]	1/2"	1/2"	1/2"	20x2
Thermometer	G [IG]	1/2"	1/2"	1/2"	1/2"
Heat exchanger surface area, heating / solar	m²	2,0/-	3,5/-	5,1/-	3,2/1,3
Heat exchanger capacity, heating / solar	Ltr.	112/-	27/-	39/-	27. Nov
Weight	kg	75	134	185	182

WOLF

TECHNICAL DATA

HOT WATER CYLINDER

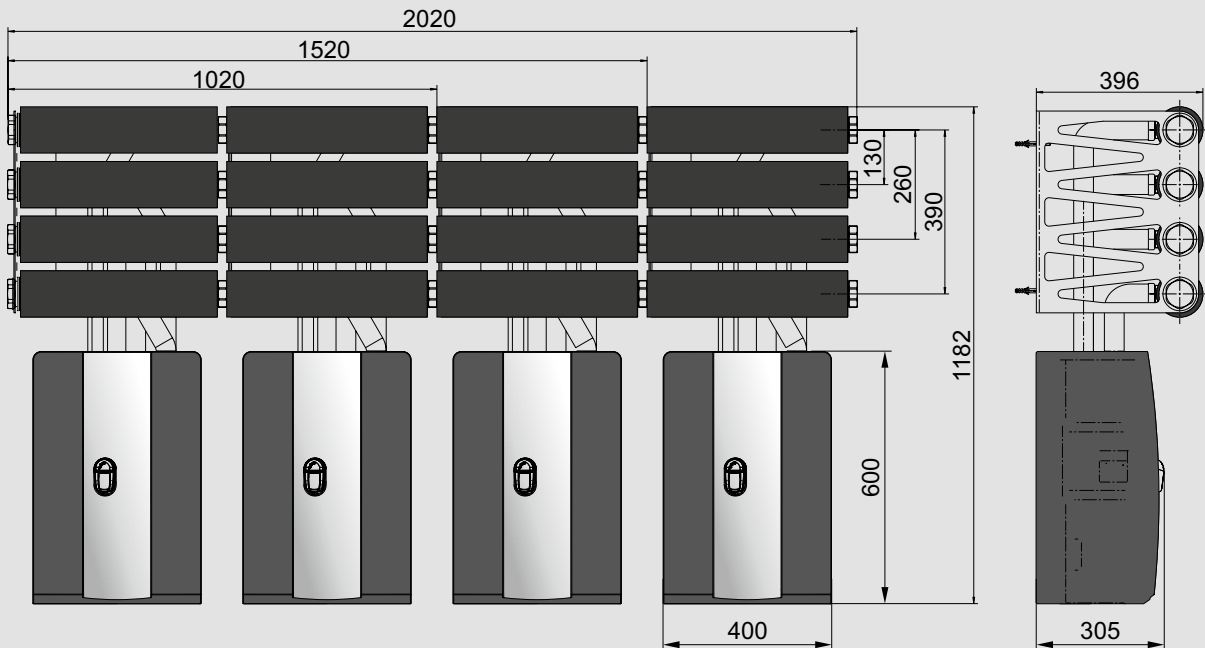
SE-2-150/200/300/400/500/750



TYPE	SE-2	150	200	300	400	500	750
Cylinder capacity	Ltr.	140	195	285	380	485	750
Standby heat loss	kWh/24h	1,17	1,36	2,19	2,45	2,72	2,66
Continuous cylinder output 80/60 - 10/45 °C	kW - Ltr./h	28 - 700	28 - 700	40 - 1000	45 - 1100	53 - 1300	60 - 1500
Performance factor	NL	2	3,5	7,5	11	15	24
Cold water connection	A mm	90	90	85	85	85	120
Heating return	B mm	255	255	263	320	370	380
Cylinder sensor, heating	C mm	603	720	898	960	1010	1156
DHW circulation	D mm	665	800	983	1000	1095	860
Heating flow	E mm	730	650	818	880	930	1025
DHW connection	F mm	930	1194	1523	1525	1500	1580
Electric booster heater	G mm	550	685	983	1000	1095	1080
Thermometer	H mm	760	1024	1507	1521	1498	1485
Total height	I mm	996	1260	1755	1800	1806	1982
Diameter incl. thermal insulation	J mm	600	600	600	670	750	990
Diameter excl. thermal insulation	K mm	-	-	-	-	-	790
Flange (bottom)	L mm	325	325	305	345	370	415
Height when tilted, incl. thermal insulation	mm	1150	1350	1860	1925	1960	1940
Primary heating water	bar/°C	10/110	10/110	10/110	10/110	10/110	10/110
Secondary DHW	bar/°C	10/95	10/95	10/95	10/95	10/95	10/95
Internal flange diameter	mm	110	110	120	120	120	178
Cold water connection	G [AG]	1"	1"	1"	1"	1"	1½"
Heating return	G [IG]	1"	1"	1"	1"	1"	1¼"
DHW circulation	G [AG]	¾"	¾"	¾"	¾"	¾"	¾"
Heating flow	G [IG]	1"	1"	1"	1"	1"	1¼"
DHW connection	G [AG]	1"	1"	1"	1"	1"	1½"
Electric booster heater	G [IG]	1½"	1½"	1½"	1½"	1½"	1½"
Thermometer	G [IG]	½"	½"	½"	½"	½"	½"
Heat exchanger surface area	m²	1	1	1,4	1,8	2	2,7
Heat exchanger capacity	Ltr.	6,8	6,8	8,9	11,5	12,6	22,5
Weight	kg	53	65	115	145	160	260

*R[AG]

FRESH WATER STATION
FWS-2-60 / 80



Fresh water station

DHW output 70 °C buffer VL, 10/60 °C coldwater / DHW

Ltr./min

FWS-2-60

15*

FWS-2-80

27

65 °C buffer VL, 10/45 °C coldwater / DHW

Ltr./min

25*

40

50 °C buffer VL, 10/45 °C coldwater / DHW

Ltr./min

-

25

Max. operating pressure, heating

bar

3

3

Max. operating pressure, water

bar

10

10

Max. operating temperature

°C

95

95

Power consumption

W

45

48

Weight

kg

17

20

Electrical connection

230V / 50Hz

230V / 50Hz

* with factory-set thermostat 3. 25

TYP

FWS-2-80 CASCADE

x2

x3

x4

nominal power

kW

174

268

330

performance indicator

N_L

27

54*

75

cold/hot water connection

G

2"

2"

2"

Heating forward / return flow

G

2"

2"

2"

Temperatures primary VL / secondary KW/WW

°C

70 / 10/60

70 / 10/60

70 / 10/60

Continuous power secondary at 60°C

Ltr./min

50

77

95

max. permissible operating pressure primary

W

3

3

3

max. permissible operating pressure secondary

bar

10

10

10

Electrical power consumption

W

97

145

193

electrical connection

230V / 50Hz

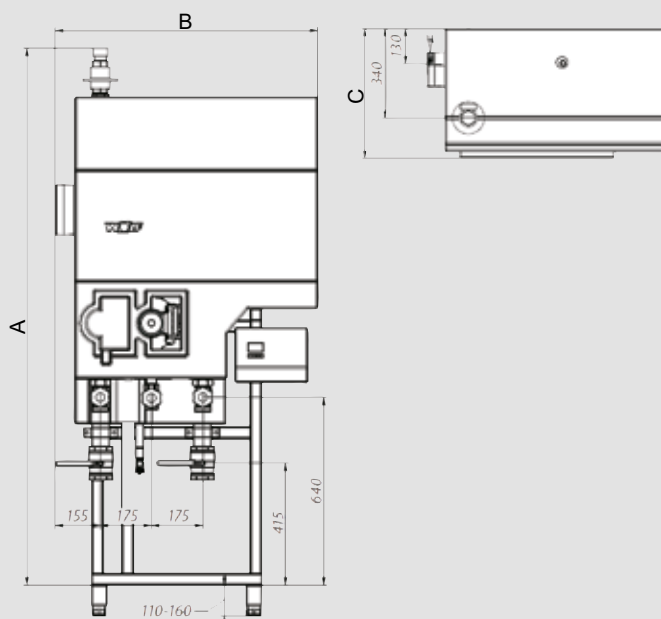
230V / 50Hz

230V / 50Hz

WOLF

TECHNICAL DATA

FRESH WATER STATION FWS-2/140/350/455



TYPE	FWS-2	140	350	455
Nominal power	kW	140	350	455
Output fac	NL	18	81	119
Height	A mm	1990	1990	1990
Width	B mm	900	900	900
Depth	C mm	490	490	490
Cold / hot water connection	G	1¼" A	1½" A	1¾" A
Circulation	G	1¼" A	1¼" A	1¼" A
Heating flow / return	Rp	1¼"	1½"	2"
Temp. primary flow/return / secondary cold / hot water	°C	70 / 10/60	70 / 10/60	70 / 10/60
Heating water quantity, primary	m³/h	2,4	6,3	8
Continuous capacity, secondary at 60°C	l/h	2400	6000	7800
Pressure drop primary / secondary	mbar	85 / 120	214 / 330	161 / 390
Residual discharge head pump, primary	mbar	520	340	230
Max. circulating flow	m³/h	2,4	3,4	3,4
Pressure drop circulation	mbar	39	79	116
Max. perm. operating pressure primary / secondary	bar	10/10	10/10	10/10
Max. perm. operating temperature primary / secondary	°C	90 / 90	90 / 90	90 / 90
Electrical power consumption (max)	W	187	270	268
Total weight (empty)	kg	90	102	112
Electrical connection		230 V / 50 Hz		

* with 130mm foot height

** with pump setting max. = 100%

WOLF

DOMESITC VENTILATION SYSTEM

DOMESITC VENTILATION SYSTEM	2
CWL-2-225	Domestic ventilation system with heat recovery 2
CWL-2-325/400	Domestic ventilation system with heat recovery 3
CWL-180 EXCELLENT	Domestic ventilation system with heat recovery 4
CWL-300/400 EXCELLENT	Domestic ventilation system with heat recovery 5
CWL-T EXCELLENT	Domestic ventilation system with heat recovery 6
CWL-F EXCELLENT	Domestic ventilation system with heat recovery 7
DECENTRAL DOMESITC VENTILATION SYSTEM	8
CWL-D	Decentral domesitc ventilation system with heat recovery 8
ACCESSORIES CWL-D	9
WRS-2 CONTROL SYSTEMS / CONTROL ACCESSORIES	10
WRS-2 CONTROL SYSTEMS	10
CONTROL ACCESSORIES	11
ACCESSORIES	14
ACCESSORIES	14
ISO PIPE SYSTEM	16
ROOF CONNECTIONS	17
OUT- AND EXHAUST AIR CONNECTIONS	18
SILENCER	20
AIR DISTRIBUTOR FOR CWL EXCELLENT AND CWL-2	21
ACCESSORIES AIR DISTRIBUTOR	22
FLEXIBLE HOSE SYSTEM, ROUND FOR CWL EXCELLENT AND CWL-2	23
ACCESSORIES FLEXIBLE HOSE SYSTEM ROUND AND FLAT DUCT	26
FLAT DUCT SYSTEM FOR CWL EXCELLENT AND CWL-2	27
AIR SUPPLY / EXTRACTION VALVES FOR CWL EXCELLENT AND CWL-2	28
FILTERS	30
TECHNICAL DATA	31



CWL-2-225 DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY

NEW

Available from Quartal 2/2021



DG | H35

TYPE	CWL-2	225
Energy efficiency class	A+ → F	A
Max. air flow rate	m ³ /h	225
Max. power consumption	W	8 - 92,2
Heat recovery efficiency max.	%	98
Dimensions		
Duct connection diameter	mm	125
Height	mm	650
Width	mm	600
Depth	mm	455
Weight	kg	29

4/0 L	Art. no.	2139776
	€	3090.00
4/0 R	Art. no.	2139777
	€	3090.00

* Delivery time on request

¹⁾ A+ with minimum two sensors

The domestic ventilation system offers energy saving and convenient ventilation all year round.
Suitable for apartments, detached houses and apartment buildings.
The heat in the extract air is extracted by the cross- and counter-current heat exchanger made from plastic and transferred to the fresh supply air.

Clean, pollen-free fresh air - airing with your windows closed, excluding street noise (not only beneficial for those suffering from allergies)

Automatic frost protection control

Constant flow fans

Low energy consumption through DC fans

BM-2 for operation (optional)

Electric preheating coil 1000 W integrated in the unit
Bypass as standard

ISO Coarse 60% (G4) / ePM1 50% (F7) filter grade as optional accessory

Unit fully wired.
Filter change indicator on the unit, the programming unit or at the 4-step switch.

Passive House certificate, DIBt approval applied for

incl. ball trap

With WOLF Link Home casing for additional PCB required, part no. 2747551.



CWL-2-325/400 DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY

NEW



DG | H35

TYPE	CWL-2	325	400
Energy efficiency class ¹⁾	A+ → F	A	A
Max. air flow rate	m ³ /h	325	400
Max. power consumption	W	6 - 145	8 - 178
Heat recovery efficiency max.	%	98	99
Dimensions			
Duct connection diameter	mm	160	180
Height 4/0	mm	650	650
Height 2/2	mm	710	710
Width	mm	750	750
Depth	mm	560	560
Weight	kg	37	37

4/0 R Enthalpie	Art. no.	2139588*	
	€	5855.00	
4/0 R	Art. no.	2139586	2139592
	€	3475.00	4115.00
4/0 L Enthalpie	Art. no.	2139587*	
	€	5855.00	
4/0 L	Art. no.	2139585	2139591
	€	3475.00	4115.00
2/2 R	Art. no.	2139770	2139774
	€	3475.00	4115.00
2/2 L	Art. no.	2139769	2139773
	€	3475.00	4115.00

* Delivery time on request

¹⁾ A+ with minimum two sensors

The domestic ventilation system offers energy saving and convenient ventilation all year round.

Suitable for apartments, detached houses and apartment buildings. The heat in the extract air is extracted by the cross- and countercurrent heat exchanger made from plastic and transferred to the fresh supply air.

Clean, pollen-free fresh air - airing with your windows closed, excluding street noise (not only beneficial for those suffering from allergies)

Automatic frost protection control

Constant flow fans

Low energy consumption through DC fans

BM-2 for operation (optional)

Electric preheating coil 1000 W integrated in the unit
Bypass as standard

ISO Coarse 60% (G4) / ePM1 50% (F7) filter grade as optional accessory

Unit fully wired.

Filter change indicator on the unit, the programming unit or at the 4-step switch.

Passive House certificate, DIBt approval applied for
incl. ball trap

With WOLF Link Home casing for additional PCB required, part no. 2747551.

The above mentioned prices
are without obligation and without VAT.

WOLF DOMESITC VENTILATION SYSTEM



CWL-180 EXCELLENT DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY



DG | H35

TYPE	CWL Excellent 180	180
Energy efficiency class ¹⁾	A+ → F	B
Air flow rate at 150 Pa	m ³ /h	180
Max. power consumption	W	16 - 132
Heat recovery efficiency max.	%	92
Dimensions		
Duct connection diameter	mm	125
Height	mm	600
Width	mm	560
Depth	mm	315
Weight	kg	25

4/0 L	Art. no.	2137995*
	€	2745.00
4/0 R	Art. no.	2137994
	€	2745.00

* Delivery time on request

¹⁾ A with time switch and minimum one sensors

The domestic ventilation system offers energy-saving and convenient ventilation all year.

Suitable for apartments, detached houses, apartment blocks and offices.

The heat in the extract air is extracted by the cross- and counter-flow heat exchanger and supplied to the fresh supply air.

Compact design for wall mounting

Clean, pollen-free fresh air - airing with your windows closed, excluding street noise [not only for those suffering from allergies]

Removable cross countercurrent plate-type heat exchanger made from plastic

Automatic frost stat control

Constant flow fans

Low energy consumption through DC fans

BM-2 for operation(optional)

Fully wired.

Filter change requirement indicated at the device, the programming unit or at the 4-step switch.



CWL-300/400 EXCELLENT DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY



DG | H35

TYPE	CWL Excellent	300	400
Energy efficiency class ¹⁾	A+ → F	A	A
Air flow rate at 150 Pa	m³/h	300	400
Max. power consumption	W	3 - 138	3 - 172
Heat recovery efficiency max.	%	89	93
Dimensions			
Duct connection diameter	mm	160	180
Height	mm	765	765
Width	mm	677	677
Depth	mm	564	564
Weight	kg	38	38
<hr/>			
2/2 L	Art. no.	2137991	2137943
	€	3245.00	3905.00
2/2 R	Art. no.	2137993	2137940*
	€	3245.00	3905.00
4/0 L	Art. no.	2137990	2137942
	€	3245.00	3905.00
4/0 R	Art. no.	2137992	2137939
	€	3245.00	3905.00

* Delivery time on request

¹⁾ A+ with minimum two sensors

The domestic ventilation system offers energy saving and convenient ventilation all year round.
Suitable for apartments, detached houses and apartment buildings.
The heat in the extract air is extracted by the cross- and countercurrent heat exchanger and transferred to the fresh supply air.

Compact design for wall mounting

Clean, pollen-free fresh air - airing with your windows closed, excluding street noise (not only beneficial for those suffering from allergies)

Removable cross- and countercurrent heat exchanger made from plastic

Automatic frost protection control

Constant flow fans

Low energy consumption through DC fans

BM-2 for operation (optional)

Electric preheating coil 1000 W integrated in the unit
Bypass as standard

ISO Coarse 60% [G4] / ePM1 50% [F7] filter as optional accessory

Unit fully wired.
Filter change indicator on the unit, the programming unit or at the 4-step switch.

DIBt approval and Passive House certificate



CWL-T EXCELLENT DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY



DG | H35

TYPE	CWL-T Excellent	300
Energy efficiency class ¹⁾	A+ → F	A
Max. air flow rate at 150 Pa	m³/h	300
Max. power consumption	W	10 - 164
Heat recovery efficiency max.	%	93
Dimensions		
Duct connection diameter	mm	160
Height	mm	1288
Width	mm	475
Depth	mm	586
Weight	kg	50

4/0 L	Art. no.	2138103
	€	3170.00

¹⁾ A+ with minimum two sensors

The domestic ventilation system offers energy saving and convenient ventilation all year round.
Suitable for apartments, detached houses and apartment buildings.
The heat in the extract air is extracted by the cross- and countercurrent heat exchanger and transferred to the fresh supply air.

Compact design for floorstanding installation

Clean, pollen-free fresh air - airing with your windows closed, excluding street noise (not only beneficial for those suffering from allergies)

Removable cross- and countercurrent heat exchanger made from plastic

Bypass as standard

Automatic frost protection control

Constant flow fans

Low energy consumption through DC fans

Incl. trap

Electric preheating coil 1000 W integrated in the unit

ISO Coarse 60% [G4] / ePM1 50% [F7] filter as optional accessory

Fully wired.
Filter change indicator on the programming unit or the 4-step switch

DIBt approval and Passive House certificate

Hydraulic reheating coil (optional)

Note: BM-2/RM-2 is required for operation



CWL-F EXCELLENT DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY



DG | H35

TYPE	CWL-F Excellent	150	300
Energy efficiency class ¹⁾	A+ → F	A	A
Air flow rate at 150 Pa	m³/h	150	300
Max. power consumption	W	11 - 72	9 - 163
Heat recovery efficiency max.	%	94	92
Dimensions			
Duct connection diameter	mm	125	160
Height	mm	1000	1185
Width	mm	660	644
Depth	mm	198	310
Weight	kg	25	37

without preheater	Art. no.	2138091*	2138098
	€	2735.00	3140.00
with preheater	Art. no.	2138099	
	€	2850.00	

* Delivery time on request

¹⁾ CWL-F-150 Excellent in combination with BM-2 | CWL-F-300 Excellent A+ with minimum two sensors

The domestic ventilation system with integral bypass offers energy saving and convenient ventilation all year round.

Suitable for apartments, detached houses and apartment buildings. The heat in the extract air is extracted by the cross- and countercurrent heat exchanger and transferred to the fresh supply air.

Compact design for ceiling and wall mounting

Clean, pollen-free fresh air - airing with your windows closed, excluding street noise [not only beneficial for those suffering from allergies]

Removable cross- and countercurrent heat exchanger made from plastic

Bypass as standard

Automatic frost protection control

Constant flow fans

Low energy consumption through DC fans

For CWL-F-150 Excellent, electric preheating coil 375 W integrated in the unit

ISO Coarse 60% (G4) / ePM1 50% (F7) filter as optional accessory

Unit fully wired.
Filter change indicator on the unit, the programming unit or at the 4-step switch.

DIBt approval and Passive House certificate

Note: BM-2/RM-2 is required for operation



CWL-D

DECENTRAL DOMESITC VENTILATION SYSTEM WITH HEAT RECOVERY

DG | H35

TYPE	CWL-D-70	70
Energy efficiency class	A+ → F	A
Air flow rate	m³/h	70
Heat recovery efficiency max.	%	87
Dimensions		
Diameter unit	mm	250
Tapping drill hole	Ø mm	260 (with 3° fall towards the outside)
for wall thicknesses with accessories	mm	300-500
for wall thickness not incl. accessories	mm	500-600
Weight	kg	14

Outside wall hood stain- less steel	Art. no.	2138513
	€	1495.00
Outside wall hood white [RAL9010]	Art. no.	2138512
	€	1495.00

White internal panel

Clean, pollen-free fresh air - airing with your windows closed, excluding street noise (not only beneficial for those suffering from allergies)

Removable plastic countercurrent heat exchanger

Bypass as standard

Automatic frost protection control

Low energy consumption through DC fans

Electric preheating coil 175 W integrated in the unit

ISO Coarse 60 % [G4] / ePM1 50 % [F7] filter as optional accessory for supply air

Unit fully wired.
Filter change indicator on the unit

DIBt approval applied for



EXTENSION 50 MM
For wall thicknesses 500 - 450 mm

White (RAL 9010)	2577710	115.00	H36
Stainless steel	2577711	158.00	H36



EXTENSION 100 MM
For wall thicknesses 450 - 400 mm

White (RAL 9010)	2577616	118.00	H36
Stainless steel	2577617	167.00	H36



EXTENSION 150 MM
For wall thicknesses 400 - 350 mm

White (RAL 9010)	2577708	116.00	H36
Stainless steel	2577709	183.00	H36



EXTENSION 200 MM
For wall thicknesses 350 - 300 mm

White (RAL 9010)	2577614	126.00	H36
Stainless steel	2577615	185.00	H36

ADDITIONAL PCB (Required for connecting sensors)	2577618	186.00	H36
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INTERNAL CO2 SENSOR	Additional PCB CWL-D-70	2577619	472.00	H36
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INTERNAL MOISTURE SENSOR	Additional board CWL-D-70	2577620	335.00	H36
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FILTER SET 2 pce. ISO Coarse 60 % [G4] and 1 pce. ISO Coarse 60 % [G4]	1669246	67.00	H36
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FILTER SET 2 pce. ISO Coarse 60 % [G4] and 1 pce. ePM1 50 % [F7]	1669247	112.00	H36
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WOLF

WRS-2 CONTROL SYSTEMS

for product

Art. no.

€

DG



BM-2 PROGRAMMING UNIT

- Central operating module for WOLF heat generators of the WRS-2 generation
- Room/weather-compensated temperature controller
- for installation in heat generators / additional modules or in wall sockets for remote control
- with time programs for heating, hot water and circulation
- intuitive menu guidance with plain text display and 3.5" colour display
- Commissioning assistant with automatic detection of plant components
- Support of 5 heat generators with KM-2
- Adjustment of heating and cooling curves
- Can be used as remote control for CWL Excellent / CWL-2
- Compatible with WOLF Smartset

without outdoor temperature sensor, BM-2 black
incl. outdoor temperature sensor, BM-2 white

CWL Excellent, CWL-2, CWL-F/T-Excellent
CWL Excellent, CWL-2, CWL-F/T-Excellent

2745306

430.00 H41

2745927

458.00 H41



WALL MOUNTING BASE FOR BM-2

For using the BM-2 programming unit as a remote control

BM-2

black
white

1731129

31.70 H41

1731442

31.70 H41



RM-2 ROOM MODULE






4 in 1: Automatic recognition of the function based on system components:

CWL Excellent, CWL-2, CWL-F/T-Excellent

2747657

236.00 H41

- Room temperature controller with daily/weekly program
- Remote control for living room ventilation CWL Excellent / CWL 2 (at the same time as room temperature control)
- Remote control of all heating or mixing circuits (with BM/BM-2 in the system)
- Remote control for up to 7 individual heating circuits with several RM-2 (with BM/BM-2 in the system)
- Illuminated touch screen
- Integrated room temperature sensor
- Connection via eBus interface
- Many functions: Holiday mode, fault messages, temperature displays etc.
- Compatible with WOLF Smartset

	for product	Art. no.	€	DG
	AIR QUALITY SENSOR (VOC) Mixed gas sensor to measure the air quality; output signal 0 - 10 V, power supply 24 V	CWL Excellent, CWL-2, CWL-F/T-Excellent	2744756	525.00 H41
	<ul style="list-style-type: none"> With the CWL-180 Excellent and CWL-F-300 Excellent, extension kit for additional functions is required, part no. 2745273. With the CWL-2 Excellent, Additional PCB for additional functions is required, part no. 2747550. 			
	HUMIDITY SENSOR For measuring the relative humidity; output signal 0 - 10 V, power supply 24 V	CWL Excellent, CWL-2, CWL-F/T-Excellent	2745192	318.00 H41
	<ul style="list-style-type: none"> With the CWL-180 Excellent and CWL-F-300 Excellent, extension kit for additional functions is required, part no. 2745273. With the CWL-2 Excellent, Additional PCB for additional functions is required, part no. 2747550. 			
	SURFACE MOUNTED CO2 SENSOR For measuring the CO ₂ content, output signal 0 - 10 V, power supply 24 V	CWL Excellent, CWL-2, CWL-F/T-Excellent	2744854	715.00 H41
	<ul style="list-style-type: none"> With the CWL-180 Excellent and CWL-F-300 Excellent, extension kit for additional functions is required, part no. 2745273. With the CWL-2 Excellent, Additional PCB for additional functions is required, part no. 2747550. 			
	FLUSH MOUNTED EBUS CO2 SENSOR For measuring the CO ₂ content, output signal 0 - 10 V, power supply 24 V	CWL Excellent, CWL-2, CWL-F/T-Excellent	2745666	715.00 H41
	Note: 4 pcs. max. can be connected per unit.			
	WOLF LINK HOME LAN / WLAN INTERFACE MODULE Consisting of: WOLF LINK HOME interface module, connection cable, installation / operating instructions, network cable	TOB, MGK-2, CGB-2 Thermen/Zentralen, CWL-2	2746365	253.00 H41
	<ul style="list-style-type: none"> Integrated LAN and WLAN interfaces for integration of WOLF heating systems in one network, or For WOLF heating device connections to the Wobutler Smarthome system 			
	Note: To obtain full access to both functions and operation a programming module BM-2 is recommended. Casing for additional PCB is required, part no. 2747551.			

WOLF

CONTROL ACCESSORIES



WOLF LINK PRO - LAN / WLAN INTERFACE MODULE EXTERNAL

Consisting of:
ISM7e / WOLF Link Pro interface module,
installation / operating instructions, eBus cable,
power supply unit, network cable

- LAN and WLAN interface module for wall mounting or mobile use of Wolf heating and ventilation devices
- Connection of WOLF heating appliances to the WOLF Smartset portal / app
- Use for parameterising compatible WOLF devices
- Power supply via power supply unit or USB

for product

Art. no.

€

DG

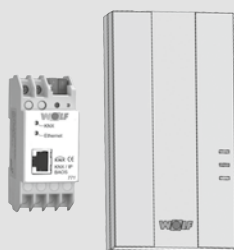
CWL Excellent, CWL-2,
CWL-F/T-Excellent

2746366

474.00

H41

Note: To obtain full access to both functions and operation a programming module BM-2 is recommended.



KNX EXTERNAL INTERFACE KIT

Interface kit for integration of WOLF ventilation units into a KNX network

Consisting of:
Interface module ISM8e, KNX-IP-BAOS module,
installation and operating instructions, network cable

CWL Excellent, CWL-2,
CWL-F/T-Excellent

2745738

1245.00

H41



MODBUS EXTERNAL INTERFACE KIT

Interface kit for integration of WOLF ventilation units into a Modbus network (RS 485)

CWL Excellent,
CWL-F/T-Excellent

2745805

570.00

H41



EXTENSION KIT FOR ADDITIONAL FUNCTIONS

9-pole plug-in connection for connecting a

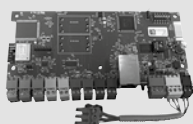
- reheating coil
- air quality sensor
- humidity sensor
- smoke detector

CWL-180 Excellent,
CWL-F-300 Excellent

2745273

129.00

H41



ADDITIONAL PCB

when using humidity sensors, CO2 sensors and air quality sensors;
Normally closed/normally open contact 0 - 10 V input, 24 V output

CWL-2

2747550

530.00

H36

Note: Casing for additional PCB is required, part no. 2747551.



CASING FOR ADDITIONAL PCB

Additional PCB CWL-2,
WOLF Link Home

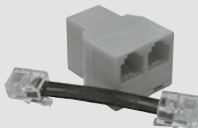






2747551

42.00

H36

Note: When using the WOLF LinkHome, the housing for the additional board is required, but not the additional board itself.

WOLF CONTROL ACCESSORIES

	for product	Art. no.	€	DG
	RJ12 MODULAR DISTRIBUTOR Consisting of: Cable and splitter	2745312	42.00	H41
	RH DUCT SENSOR For measuring relative humidity	CWL Excellent, CWL-2, CWL-F/T-Excellent	2745372	343.00 H41
	CWL SERVICE TOOL For an straightforward parameter settings Free software can be found on our homepage.	CWL Excellent, CWL-2, CWL-F/T-Excellent	2577544	377.00 H41
	4-STAGE SWITCH with filter replacement indicator Note: Connecting cable, black necessary.	2744518	114.00	H41
	SURFACE MOUNTED HOUSING FOR 4-STAGE SWITCH	2744519	68.00	H41
	4-STAGE REMOTE CONTROL with filter replacement indicator consisting of transmitter and receiver	2747566	735.00	H36
	BLACK CONNECTING CABLE For 4-step switch			
	5 m [2 x RJ12/6]	2744520	30.90	H41
	10 m [2 x RJ12/6]	2744521	45.00	H41
	15 m [2 x RJ12/6]	2744522	62.00	H41

WOLF ACCESSORIES



ELECTRICAL PREHEATING COIL 1000 W

	for product	Art. no.	€	DG
DN 125	CWL-180 Excellent, CWL-F-150 Excellent	2745444	446.00	H36
DN 160	CWL-F-300 Excellent	2745259	446.00	H36



ELECTRICAL REHEATING COIL 1000 W

- Extension kit for additional functions with the CWL-180 Excellent and CWL-F-300 Excellent art. no. 2745273 is required
- DN 160/125 reducers art. no. 2575793 is required with the CWL-180 Excellent

DN 125	CWL-180 Excellent, CWL-F-150 Excellent	2745445	461.00	H36
DN 160	CWL-300-Excellent, CWL-F/T-300-Excellent	2745258	461.00	H36
DN 180	CWL-400 Excellent	2745206	465.00	H36



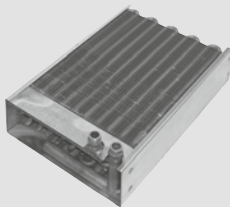
PRE- AND REHEATING COIL 1000W

DN 160	CWL-2-325	2747549	675.00	H36
DN 180	CWL-2-400	2747583	710.00	H36



ENTHALPY HEAT EXCHANGER FOR MOISTURE RECOVERY

CWL-300/400 Excellent	2071748	2155.00	H36
CWL-F-300 Excellent	2071749	1895.00	H36
CWL-2-325/400	2074859	2610.00	H36



HYDRAULIC REHEATING COIL 3000W

Incl. flow valve with thermostatic head, remote sensor, automatic air vent valve and corrugated stainless steel pipes

CWL-T Excellent	2745587	1070.00	H36
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CONDENSATE PUMP WITH POTENTIAL-FREE, FULLY WIRED ALARM OUTPUT

Consisting of:
Condensate pump with floating alarm output, condensate tank with lid and wall retainer, PVC hose 10 mm (6 m long), non-return valve, condensate inlet adaptor

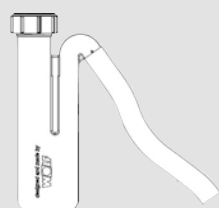
CWL Excellent, CWL-2, CWL-F/T-Excellent	2071268	265.00	H40
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SUMMER CASSETTE

Alternative to in-line heat exchangers without heat recovery

CWL-180 Excellent	2137931	199.00	H36
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TRAP
Effective height 90 mm

for product

Art. no.

€

DG

CWL-300/400 Excellent

8611033

19.60

H36



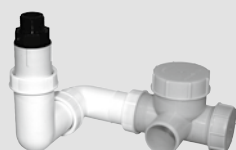
BALL TRAP

CWL-300/400 Excellent

2577348

123.00

H36



BALL TRAP

CWL-F Excellent

2577580

136.00

H36



MOUNTING STAND

CWL-2-325 4/0
CWL-2-400 4/0

2139599

256.00

H36



FRONT PANEL FOR MOUNTING STAND

CWL-2-325/400

2139600

111.00

H36

WOLF

ISO PIPE SYSTEM



INSULATED DUCT

Length 200 mm

DN 125	unit size 180, F-150	2577369	74.00	H36
DN 160	unit size [F/T-]300, unit size 325 SWP	2577362	77.00	H36
DN 180	unit size 400	2577371	97.00	H36



INSULATED DUCT 90° BEND

DN 125	unit size 180, F-150	2576009	27.50	H36
DN 160	unit size [F/T-]300, unit size 325 SWP	2577363	27.50	H36
DN 180	Sizes 180, F-150	2576011	33.50	H36



INSULATED DUCT 45° BEND

DN 125	unit size 180, F-150	2576012	20.50	H36
DN 160	unit size [F/T-]300, unit size 325 SWP	2577364	20.50	H36
DN 180	unit size 400	2576014	26.50	H36



ISO PIPE T-PIECE

DN 125	unit size 180, F-150	2576019	59.00	H36
DN 160	unit size [F/T-]300, unit size 325 SWP	2577572	70.00	H36



INSULATED DUCT Y-PIECE 45°

DN 180	unit size 400	2575792	122.00	H36
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REDUCER

DN 160/125	ISO pipe	2577404	22.50	H36
DN 180/160	ISO pipe	2577463	22.50	H36
DN 180/125	ISO pipe	2575795	22.50	H36



LOCKING RING FOR INSULATED DUCT

One locking ring is required for each connection

DN 125	ISO pipe	2576020	8.50	H36
DN 160	ISO pipe	2577365	8.50	H36
DN 180	ISO pipe	2576022	9.40	H36



INSTALLATION KNIFE WITH SPECIAL SERRATED BLADE

For trimming pipes to length quickly and cleanly

for product Art. no. € DG

WOLF ROOF CONNECTIONS

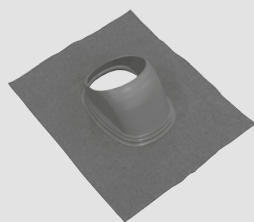


THERMALLY INSULATED ROOF OUTLET Length 1159 mm

	for product	Art. no.	€	DG
DN 125, black	unit size 180, F-150	2575801	190.00	H36
DN 125, red	unit size 180, F-150	2576999	190.00	H36
DN 160, black	unit size [F/T-] 300, unit size 325	2575802	190.00	H36
DN 160, red	unit size [F/T-] 300, unit size 325	2577000	190.00	H36
DN 180, black	unit size 400	2575803	210.00	H36



SEALING COLLAR	roof outlet	2577006	46.00	H36
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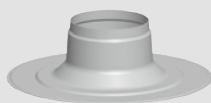


UNIVERSAL ROOF TILE 25° TO 45°

DN 125, DN 160, black	roof outlet	2577001	97.00	H36
DN 125, DN 160, Red	roof outlet	2577003	97.00	H36
DN 180, Black	roof outlet	2577002	202.00	H36



UBBIFLEX HIGH TACK ADHESIVE For fixing the CWL universal roof tile to tiles or the roof	universal roof tile	2577543	22.50	H36
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FLAT ROOF OUTLET 0°

DN 160	ISO pipe	2577004	89.00	H36
DN 180	ISO pipe	2577005	89.00	H36



FASTENING CLIP FOR INSULATED DUCT

DN 125	ISO pipe	2577007	6.80	H36
DN 160	ISO pipe	2577405	7.40	H36
DN 180	ISO pipe	2577009	7.80	H36

WOLF

OUT- AND EXHAUST AIR CONNECTIONS

NEW FROM 03/2021 ON



**OUTDOOR AIR TOWER WITH LAMELLAR HOOD
[SET]
DN 160**

for product

Art. no.

€

DG

2577927

655.00

H36

NEW FROM 03/2021 ON



**OUTDOOR AIR TOWER WITH 90° BEND [SET]
DN 160**

2577928

655.00

H36

NEW FROM 03/2021 ON



**REPLACEMENT FILTER
DN 160**

Outdoor air tower

2577929

127.21

ET

NEW FROM 03/2021 ON



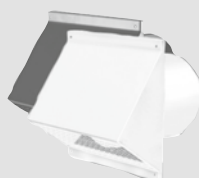
**WALL SPACER
DN 160**

Outdoor air tower

2577930

90.00

H36



WALL HOOD

DN 125, black [RAL 9005]
DN 125, white [RAL 9010]
DN 160, black [RAL 9005]

unit size 180, F-150
unit size 180, F-150
unit size [F/T-]300,
unit size 325

2575806

100.00

H36

2575809

100.00

H36

2575807

104.00

H36

DN 160, white [RAL 9010]

SWP
unit size [F/T-]300,
unit size 325

2575810

104.00

H36

DN 180, black [RAL 9005]
DN 180, white [RAL 9010]

unit size 400
unit size 400

2575808

112.00

H36

2575811

112.00

H36

WOLF

OUT- AND EXHAUST AIR CONNECTIONS

for product

Art. no.

€

DG

NEW FROM 03/2021 ON



UNIAIR DESIGN DOUBLE GRILLE

For outdoor and exhaust air

DN 125, stainless steel (V4A)

2577921

305.00 H36

DN 160, stainless steel (V4A)

2577922

325.00 H36

DN 160, anthracite RAL 7016

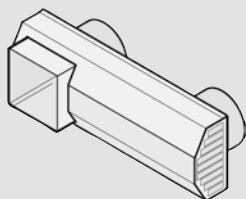
2577934

270.00 H36

DN 180, stainless steel (V4A)

2577923

350.00 H36



DOUBLE GRILLE

For outdoor and exhaust air

DN 125, white

unit size 180, F-150

2577458

143.00 H36

DN 125, Stainless steel (V2A)

unit size 180, F-150

2577839

285.00 H36

DN 160, white

unit size (F/T-)300,
unit size 325

2577579

184.00 H36

DN 160, Stainless steel (V2A)

unit size (F/T-)300,
unit size 325

2577840

319.00 H36

WOLF SILENCER



SILENCER

For supply air or extract air
50 mm insulation

	for product	Art. no.	€	DG
DN 125, Length 1000 mm	unit size 180, F-150	2575812	110.00	H36
DN 125, Length 500 mm	unit size 180, F-150	2577765	56.00	H36
DN 160, Length 1000 mm	unit size (F/T-)300, unit size 325	2577367	112.00	H36
DN 180, Length 500 mm	unit size (F/T-)300, unit size 325	2577766	78.00	H36
DN 180, Length 1000 mm	unit size 400	2575814	132.00	H36
DN 160, Length 500 mm	unit size 400	2577767	100.00	H36



FLEXIBLE SILENCER

For supply air or extract air
50 mm insulation

DN 125, Length 1000 mm	unit size 180, F-150	2577798	120.00	H36
DN 160, Length 1000 mm	unit size (F/T-)300, unit size 325	2577799	129.00	H36
DN 180, Length 1000 mm	unit size 400	2577800	146.00	H36

NEW



UNI-AIR SILENCER

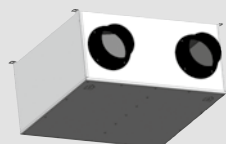
DN160/180, Length 650 mm

CWL-2	2577912	225.00	H36
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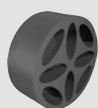


SILENCER

Metal, for supply air and extract air
Sound attenuating material, closed cell to
DIN 1946-6

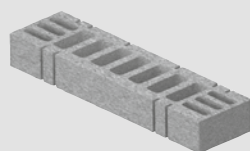


DN 125, Length 482 mm	CWL-F-150 Excellent	2577434	700.00	H36
DN 160, Length 600 mm	CWL-F-300 Excellent	2577606	700.00	H36



SILENCER AND FLOW RATE CONTROLLER

Connector for DN 125 vent	2577576	24.90	H36
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SILENCER AND FLOW RATE CONTROLLER

Floor grille connector	2577577	32.00	H36
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AIR DISTRIBUTOR FOR CWL EXCELLENT AND CWL-2

for product

Art. no.

€

DG

NEW



UNIAIR AIR DISTRIBUTOR

DN 125 - 180 basic

2577924

340.00 H36

DN 125 - 180 premium, silent -white [RAL 9016]

2577925

650.00 H36

NEW



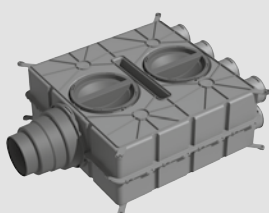
UNIAIR AIR DISTRIBUTOR

UniAir air distributor

2577926

25.00 H36

DN 75, 4 pce



AIR DISTRIBUTOR DN 125-180

Plastic, for supply air or extract air, antistatic and antibacterial

An adaptor is required to connect hose or flat duct systems DN63, 50x100 and 50x140 to the air distributor.

8 DN 75 connectors with 4 locking caps

2577595

246.00 H36

16 DN 75 connectors with 8 locking caps

2577596

264.00 H36

24 DN 75 connectors with 12 locking caps

2577597

287.00 H36

Note: Click and seal ring DN 75 required.

AIR DISTRIBUTOR MINI

8-75 - connection ISO pipe DN 125

2577835

125.00 H36

6-75 - connection ISO pipe DN 125

2577836

125.00 H36

16-75 - connection ISO pipe DN 125-180

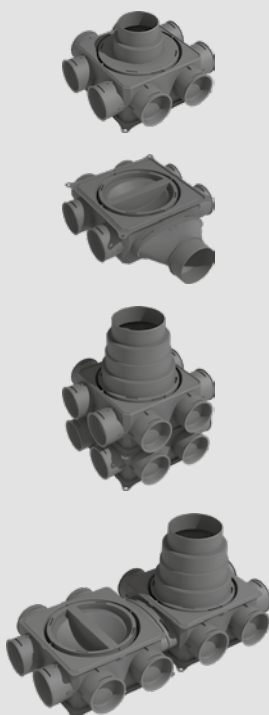
2577837

236.00 H36

12-75 - connection ISO pipe DN 125-180

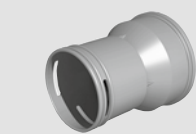
2577838

236.00 H36



WOLF

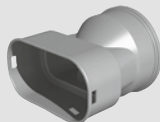
ACCESSORIES AIR DISTRIBUTOR



ADAPTOR DN 63
For connection between hoase and air distributor, plastic, antistatic and antibacterial

Art. no.	€	DG
2577598	10.80	H36

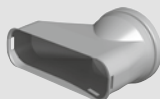
Note: Click and seal ring DN 63 required.



ADAPTOR FOR FLAT DUCT 50 X 100
For connection between hoase and air distributor, plastic, antistatic and antibacterial

Air distributor DN 125-180	2577599	18.40	H36
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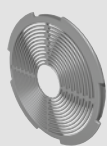
Note: Sealing ring 50 x 100 necessary!



ADAPTOR FOR FLAT DUCT 50 X 140
For connection between hoase and air distributor, plastic, antistatic and antibacterial

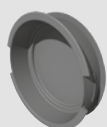
Air distributor DN 125-180	2577600	22.40	H36
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Note: Seal ring 50 x 140 required.



RESTRICTOR DN 75
plastic, antistatic and antibacterial, bag of 10

2577589	36.70	H36
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CLOSING CAP DN75
plastic, antistatic and antibacterial, bag of 10

2577713	12.70	H36
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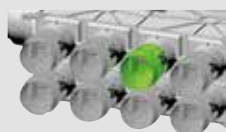
CONNECTION DN 125-180
plastic, antistatic and antibacterial

2577601	20.60	H36
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INSPECTION CAP
plastic, antistatic and antibacterial

2577602	7.60	H36
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ADJUSTABLE RESTRICTOR V-EASY
DN 75

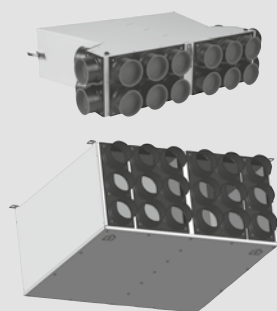
Air distributor Mini Air distributor DN 125-180	2577834	25.10	H36
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SILENCER KIT
plastic, consisting of 10 push-fit elements,
closed-cell sound attenuating material acc. to
DIN 1946-6

Air distributor DN 125-180	2577603	52.00	H36
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FLEXIBLE HOSE SYSTEM, ROUND FOR CWL EXCELLENT AND CWL-2

	for product	Art. no.	€	DG
	AIR DISTRIBUTION HOSE With smooth internal surface			
	DN 63, 50 m roll	2577412	217.00	H36
	DN 75, 50 m roll	2577414	229.00	H36
	DN 63, 50 m roll, antistatic and antibacterial	2577411	286.00	H36
	DN 75, 50 m roll, antistatic and antibacterial	2577413	335.00	H36
	PIPE CUTTER	Air distribution hose	1731894	19.00 H36
	DN 75			
	90° BEND For CWL air distribution hose Antistatic and antibacterial			
	DN 63	2577704	20.70	H36
	DN75	2577705	20.70	H36
	CLICK CONNECTOR FOR AIR DISTRIBUTION HOSE Antistatic and antibacterial			
	DN 63	2577415	4.40	H36
	DN 75	2577416	4.40	H36
	SEAL RING			
	DN 63, bag of 10	2577361	25.40	H36
	DN 75, bag of 10	2577360	26.70	H36
	CLICK RING Antistatic and antibacterial			
	DN 63, bag of 10	2577547	25.40	H36
	DN 75, bag of 10	2577548	27.00	H36
 5x  10x  10x	CLICK CONNECTOR KIT FOR AIR DISTRIBUTION HOSE Antistatic and antibacterial Consisting of: 5 click connectors for air distribution hose 10 seal rings 10 click rings			
	DN 63	2577555	73.00	H36
	DN 75	2577556	75.00	H36

**MULTI AIR DISTRIBUTOR**

Metal, for supply air and extract air
Incl. silencer
For direct installation onto the CWL-F Excellent
Sound attenuating material, closed cell to
DIN 1946-6

DN 125: 2 x 10 connectors DN 75 with 5 pipe caps each

Length 482 mm

DN 125: 2 x 10 connectors DN 63 with 5 pipe caps each

Length 482 mm

DN 160: 2 x 9 connectors DN 75 with 5 pipe caps each

Length 600 mm

DN 160: 2 x 9 connectors DN 63 with 5 pipe caps each

Length 600 mm

for product

Art. no.

€

DG

CWL-F-150 Excellent

2577417

995.00

H36

CWL-F-150 Excellent

2577841

995.00

H36

CWL-F-300 Excellent

2577607

965.00

H36

CWL-F-300 Excellent

2577842

995.00

H36

Note: Seal ring DN 75/63 required.

If the multi air distributor is not connected directly to the unit, connecting collars have to be provided.

**CONNECTING COLLARS**

DN 125, 2 pce

Air distributor

1800443

21.30

H36

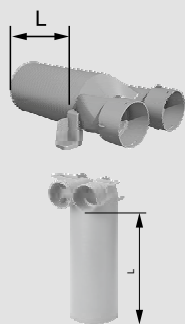
DN 160, 2 pce

Air distributor

1800444

28.80

H36

**CONNECTOR FOR DN125 VALVE, ONE PIPE CAP AND TWO PIPE SOCKETS,**

Incl. cover connector for valve DN125, antistatic and antibacterial
L = 325 mm

DN 63, 90°

2577294

46.00

H36

DN 75, 90°

2577295

46.00

H36

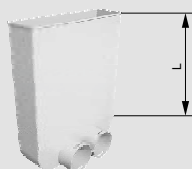
DN 75, 180°

2577881

46.00

H36

Note: Click and seal ring required.

**FLOOR GRILLE CONNECTOR**

One pipe cap and two pipe connectors, antistatic and antibacterial

2577575

99.00

H36

DN 75, L = 300 mm

Note: Click and seal ring required. For DN 63, use DN 63 adaptor.

**PIPE CAP FOR AIR DISTRIBUTION HOSE**

Antistatic and antibacterial

DN 63

2575835

3.90

H36

DN 75

2575824

3.90

H36

FLEXIBLE HOSE SYSTEM, ROUND FOR CWL EXCELLENT AND CWL-2



for product	Art. no.	€	DG
LUBRICANT TUBE Content 50 ml	265132999	8.80	H40



EXTENSION FOR CONNECTOR DN 125
plastic, 285 mm

for product

Art. no.

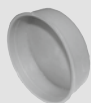
€

DG

2577882

22.10

H36



COVER
Bag of 10

Connector for DN 125
vent

2577090

29.90

H36

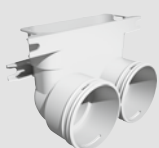


**90° ADAPTOR FROM ROUND DN 75 TO FLAT DUCT
50 X 100**
Antistatic and antibacterial

2577347

15.10

H36

Note: Click and seal ring required.

**ANGLE ADAPTOR 2 X ROUND DN 75 TO 1 X FLAT
DUCT 50 X 140**
Antistatic and antibacterial

2577594

23.60

H36

Note: Click and sealing ring DN 75 necessary!

UNIVERSAL CLIP
10 pce

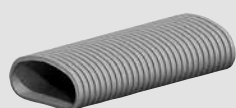
Flat duct 50 x 100,
Flat duct 50 x 140,
Round duct Ø 63 mm,
Round duct Ø 75 mm

2577574

24.90

H36

FLAT DUCT SYSTEM FOR CWL EXCELLENT AND CWL-2

**FLAT DUCT**

With smooth internal surface, antistatic and antibacterial

50 x 100, 50 m roll

2576163

715.00

H36

50 x 140, 20 m roll

2577582

310.00

H36

**LOCKING CAP FOR FLAT DUCT**

Antistatic and antibacterial

50 x 100, bag of 10

2576457

55.00

H36

50 x 140, bag of 10

2577583

64.00

H36

**90° BEND CWL FOR FLAT DUCT**

Antistatic and antibacterial

50 x 100 vertical

2576164

21.70

H36

50 x 140 vertical

2577587

25.30

H36

Note: Sealing ring necessary.**90° BEND CWL FOR FLAT DUCT**

Antistatic and antibacterial

50 x 100 horizontal

2576165

21.70

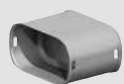
H36

50 x 140 horizontal

2577586

25.30

H36

Note: Sealing ring necessary.**CLICK CONNECTOR FOR FLAT DUCT**

Antistatic and antibacterial

50 x 100

2576166

15.20

H36

50 x 140

2577588

17.10

H36

Note: Seal ring required.**SEALING RING FOR FLAT DUCT**

Antistatic and antibacterial

50 x 100, bag of 10

2576167

92.00

H36

**SEALING RING FOR FLAT DUCT**

Antistatic and antibacterial

50 x 140, bag of 10

2577585

112.00

H36

**PIPE CAP FOR MOULDED COMPONENT**

Antistatic and antibacterial

50 x 100

2576168

4.30

H36

50 x 140

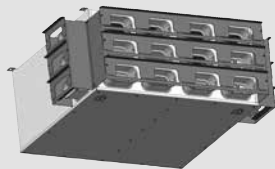
2577591

4.60

H36

**AIR DISTRIBUTOR**

Metal, for supply air and extract air
Incl. silencer for direct installation onto the
CWL-F Excellent
Sound attenuating material, closed cell to
DIN 1946-6



DN 125: 2 x 6 connectors 50 x 100 with 3 pipe caps each
Length 482 mm
DN 160: 2 x 9 connectors 50 x 100 with 5 pipe caps each
Length 600 mm

for product

Art. no.

€

DG

CWL-F-150 Excellent

2577430

995.00

H36

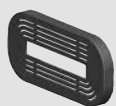
CWL-F-300 Excellent

2577608

995.00

H36

Note: Sealing ring for flat duct 50 x 100 required.
If the multi air distributor is not connected directly to the unit, connecting collars have to be provided.

**RESTRICTOR FOR FLAT DUCT**
Antistatic and antibacterial

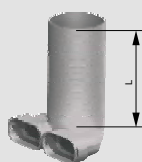
CWL-F Excellent

2576459

38.20

H36

50 x 100 bag of 10

**CONNECTOR FOR VALVE DN 125**

Two duct connectors and one pipe cap, antistatic and antibacterial, incl. cover connector for vent DN 125

L = 240 mm 50 x 100 - 90°

2576172

46.00

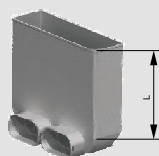
H36

L = 330 mm 50 x 140 - 90°

2577592

51.00

H36

Note: Seal ring 50 x 100 or 50 x 140 required.**FLOOR GRILLE CONNECTOR**

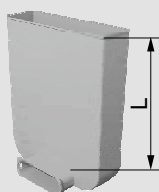
One or two duct connectors and one pipe cap, antistatic and antibacterial
Incl. cover
L = 220 mm

2576173

77.00

H36

50 x 100 (two duct connectors)

Note: Sealing ring 50 x 100 necessary!**FLOOR GRILLE CONNECTOR**

One or two duct connectors and one pipe cap, antistatic and antibacterial
Incl. cover
L = 240 mm

2577593

69.00

H36

50 x 140 (one duct connector)

Note: Sealing ring 50 x 140 nutty!**FLOOR AND WAND GRILLE, METAL**

White
Stainless steel

2576175

77.00

H36

2576176

77.00

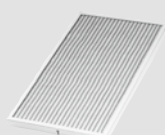
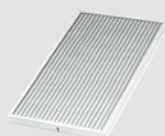
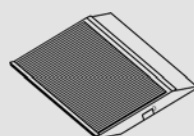
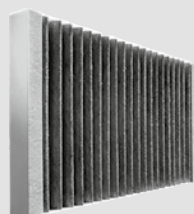
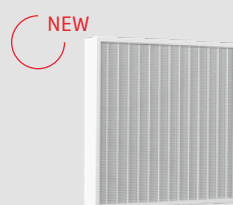
H36

AIR SUPPLY / EXTRACTION VALVES FOR CWL EXCELLENT AND CWL-2



	for product	Art. no.	€	DG
UNIAIR 125R Design valve round for supply and exhaust air		2577879	38.90	H36
UNIAIR 125Q Design valve square for supply and exhaust air		2577880	38.90	H36
FILTER BAGS for all supply and exhaust air valves DN 125, 5 pce		7100595	49.00	H36
KITCHEN EXTRACT AIR VALVE with ISO Coarse 45 % [G3] filter, RAL 9010		2575834	164.00	H36
FILTER MATT CLASS Class ISO Coarse 45 % [G3], 5 pce, 200 x 190 mm	Kitchen extract air valve	1669236	21.30	H36
COMMISSIONING Prices: net				
	CWL-2	99746	290.00	99
	CWL-2	99748	398.00	99

WOLF FILTERS



	for product	Art. no.	€	DG
UNI-AIR PURE AIR ABSOLUTE Electrostatic air filter incl. filter PM2,5 99%		1670350	1930.00	H36
REDUCTION				
DN 250 - DN 125, 2 pce	UniAir pure air absolute	2577937	43.00	H36
DN 250 - DN 160, 2 pce	UniAir pure air absolute	2577938	43.00	H36
DN 250 - DN 160, 2 pce	UniAir pure air absolute	2577939	43.00	H36
REPLACEMENT FILTER ISO Coarse PM2,5 99%	UniAir pure air absolute	1670351	127.21	ET
COMBI SERVICE SET, ACTIVATED CHARCOAL FILTER Outdoor air filter, antiallergenic ePM2,5 50 % [M6] 522 x 184 mm, 2 pce	CWL-300/400 Excellent	1669305	79.00	H36
FILTER ePM1 50 % [F7] 506 x 243 mm, 2 pce	CWL-2-325/400	1669552	166.00	H36
FILTER SERVICE SET Outdoor air filter ePM1 50 % [F7] 295 x 140 mm, 2 pce	CWL-180, CWL-180 Excellent	1669258	137.00	H36
522 x 184 mm, 2 pce	CWL-300/400 Excellent	1669302	99.00	H36
164 x 132 mm, 2 pce	CWL-F-150 Excellent	1669303	45.00	H36
234 x 166 mm, 2 pce	CWL-F/T-300 Excellent	1669304	51.00	H36
FILTER SERVICE SET Outdoor air filter ePM2,5 50 % [M6] 415 x 237 mm, 2 pce	CWL-300, CWL-400	1668497	128.00	H36
500 x 237 mm, 2 pce	CWL-300 B, CWL-400 B	1668498	137.00	H36
FILTER SERVICE SET Outdoor or extract air filter ISO Coarse 60 % [G4] 295 x 140 mm, 2 pce	CWL-180 Excellent	1668492	28.50	H36
522 x 184 mm, 2 pce	CWL-300 Excellent, CWL-400 Excellent	1669013	32.90	H36
522 x 184 mm, 50 pce	CWL-300 Excellent, CWL-400 Excellent	1669027	446.00	H36
173 x 141 mm, 2 pce	CWL-F-150 Excellent	1669163	32.90	H36
245 x 177 mm, 2 pce	CWL-F-300 Excellent	1669046	32.90	H36
234 x 166 mm, 2 pce	CWL-T-300 Excellent	1669200	47.00	H36
500 x 202 mm, 2 pce	CWL-2-325/400	1669551	37.30	H36



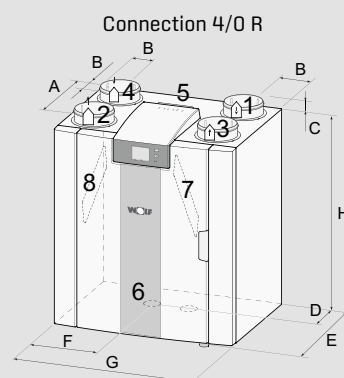
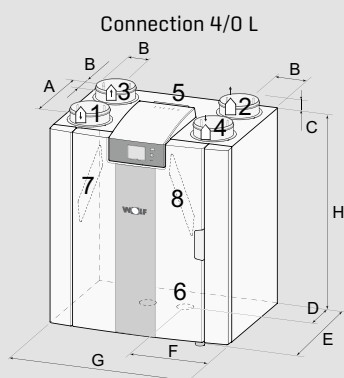
	for product	Art. no.	€	DG
FILTER SERVICE SET				
Outdoor or extract air filter				
ISO Coarse 60 % (G4)				
295 x 140 mm, 2 pce	CWL-180	1668492	28.50	H36
415 x 237 mm, 2 pce	CWL-300, CWL-400	1668493	32.90	H36
415 x 237 mm, 50 pce	CWL-300, CWL-400	1668495	446.00	H36
500 x 237 mm, 2 pce	CWL-300 B, CWL-400 B	1668494	32.90	H36
500 x 237 mm, 50 pce	CWL-300 B, CWL-400 B	1668496	446.00	H36

WOLF

TECHNICAL DATA

DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY CWL-2-225

TYPE	CWL-2	CWL-2-225
max. fan power at 150 Pa	m³/h	225
Heat recovery efficiency maximum	%	98
Heat recovery efficiency η_{WBG}	%	92
Specific electrical power consumption $P_{el,Vent}$	W/[m³/h]	0,17
Specific power consumption SEC	kWh/[m³/h]	-40,78
Height	mm	650
Width	mm	600
Depth	mm	455
Duct connection diameter	mm	125
Filter		ISO Coarse 60 % [G4] [ePM1 50 % [F7] as accessory]
Power factor	Cos ϕ	0,336 - 0,572
Electrical power consumption	W	8 - 92
Electrical power consumption (without preheater)	W	61,5 [at 225 m³/h and 100 Pa]
Weight	kg	29
Protection class	IP	30
Electrical connection		230 V / 50 Hz



- | | | | |
|--------------------------------|------------------------------|-------------------------|----------------------|
| 1 Supply air (living room) | 3 Extract air (living room) | 5 Electrical connection | 7 extract air filter |
| 2 Exhaust air (to the outside) | 4 Outdoor air (from outside) | 6 Drain connection | 8 supply air filter |

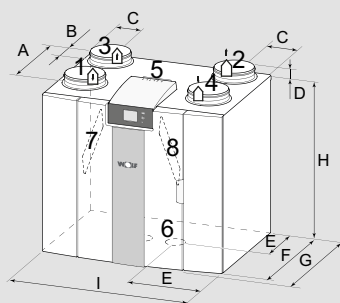
Type	A	B	C	D	E	F	G	H
CWL-2-225	323	93	42	210	458	198	600	650

**DOMESTIC VENTILATION SYSTEM
WITH HEAT RECOVERY
CWL-2-325/400**

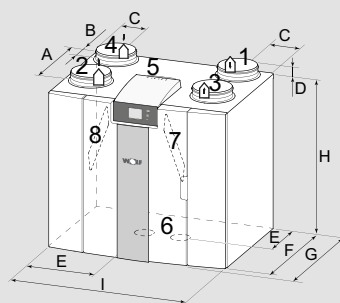
TYPE	CWL-2	CWL-2-325	CWL-2-325 Enthalpie	CWL-2-400
max. fan power at 150 Pa	m³/h	325	325	400
Heat recovery efficiency maximum	%	98	98	99
Heat recovery efficiency η_{WBG}	%	91	83	92
Specific electrical power consumption $P_{el,Vent}$	W/(m³/h)	0,15	0,14	0,17
Specific power consumption SEC	kWh/(m³/h)	-40,99	-38,76	-40,68
Height 4/0	mm	650	650	650
Height 2/2	mm	710	710	710
Width	mm	750	750	750
Depth	mm	560	560	560
Duct connection diameter	mm	160	160	180
Filter	ISO Coarse 60% [G4] / ISO Coarse 60% [G4] / ISO Coarse 60% [G4] [ePM1 50 % [F7] as accessory] [ePM1 50 % [F7] as accessory] / [ePM1 50 % [F7] as accessory]			
Power factor	Cos ϕ	0,34 - 0,54	0,34 - 0,54	0,27 - 0,56

Weight	kg	37	37	38,5
Protection class	IP	30	30	30
Electrical connection		230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz

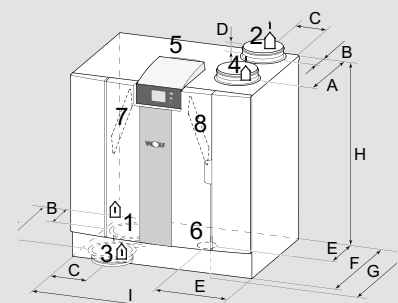
Connection 4/0 L



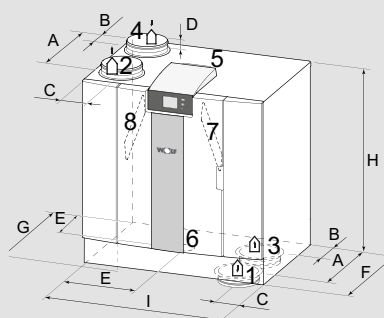
Connection 4/0 R



Connection 2/2 L



Connection 2/2 R



1 Supply air (living room)
2 Exhaust air (to the outside)

3 Extract air (living room)
4 Outdoor air (from outside)

5 Electrical connection
6 Drain connection

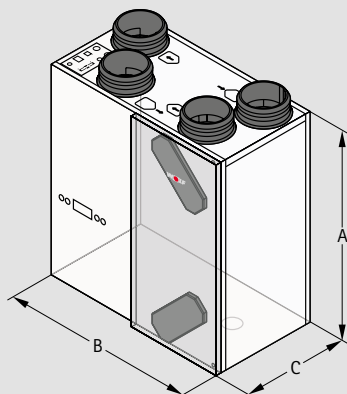
7 extract air filter
8 supply air filter

Type	A	B	C	D	E	F	G	H	I
CWL-2-325 4/0	410	130	120	45	270	510	560	650	750
CWL-2-400 4/0	410	130	120	45	270	510	560	650	750
CWL-2-325 2/2	410	130	120	45	270	510	560	710	750
CWL-2-400 2/2	410	130	120	45	270	510	560	710	750

WOLF

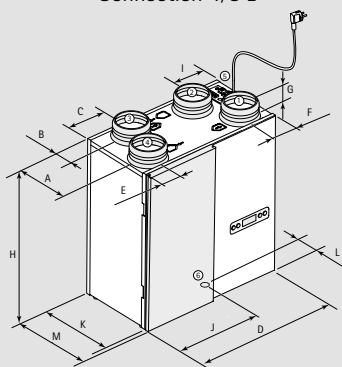
TECHNICAL DATA

DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY CWL-180 Excellent



TYPE	CWL	CWL-180 Excellent
max. fan power at 150 Pa	m³/h	180
Heat recovery efficiency maximum	%	92
Heat recovery efficiency η_{WBG}	%	82
Specific electrical power consumption $P_{el,Vent}$	W/(m³/h)	0,31
Specific power consumption SEC	kWh/(m³/h)	-33,11
Height	A mm	600
Width	B mm	560
Depth	C mm	315
Duct connection diameter	mm	125
Filter		ISO Coarse 60 % (G4)
Power factor	Cos φ	0,44 - 0,52
Electricity consumption	W	16 - 132
Electrical power consumption (without preheater)	W	64
Weight	kg	25
Protection class	IP	30
Electrical connection		230 V / 50 Hz

Connection 4/0 L

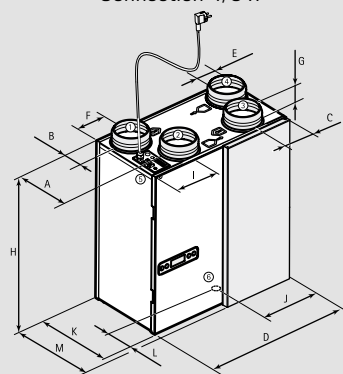


- 1 Supply air (living room)
2 Exhaust air (to the outside)

- 3 Extract air (living room)
4 Outdoor air (from outside)

- 5 Electrical connection
6 Drain connection

Connection 4/0 R

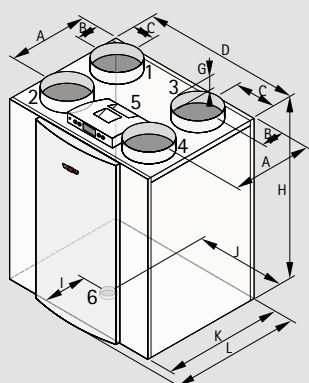


Type	A	B	C	D	E	F	G	H	I	J	K	L	M
CWL-180 Excellent R/L	213	77	125	560	75	79	45	600	168	248	290	145	315

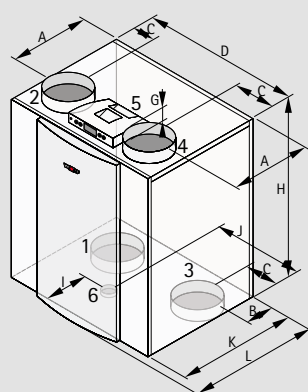
**DOMESTIC VENTILATION SYSTEM
WITH HEAT RECOVERY**
CWL-300/400 Excellent

TYPE	CWL	CWL-300 Excellent	CWL-400 Excellent
max. fan power at 150 Pa	m³/h	300	w400
Heat recovery efficiency maximum	%	89	93
Heat recovery efficiency η_{WBG}	%	86	85
Specific electrical power consumption $P_{el,Vent}$	W/[m³/h]	0,21	0,24
Specific power consumption SEC	kWh/[m³/h]	-37,52	-36,26
Height	A mm	765	765
Width	B mm	677	677
Depth	C mm	564	564
Duct connection diameter	mm	160	180
Filter		ISO Coarse 60 % [G4] [ePM1 50 % [F7] as accessory]	ISO Coarse 60 % [G4] [ePM1 50 % [F7] as accessory]
Power factor	Cos φ	0,37 - 0,5	0,38 - 0,61
Electrical power consumption	W	3 - 138	3 - 172
Electrical power consumption (without preheater)	W	58 [at 225 m³/h and 100 Pa]	84 [at 300 m³/h and 100 Pa]
Weight	kg	38	38
Protection class	IP	30	30
Electrical connection		230 V / 50 Hz	230 V / 50 Hz

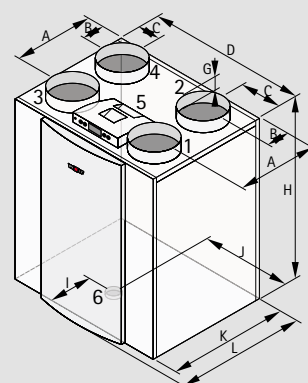
Connection 4/0 R



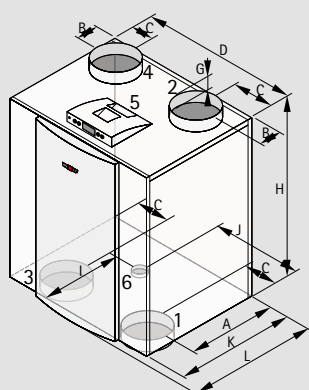
Connection 2/2 R



Connection 4/0 L



Connection 2/2 L



1 Supply air [living room]
2 Exhaust air [to the outside]

3 Extract air [living room]
4 Outdoor air [from outside]

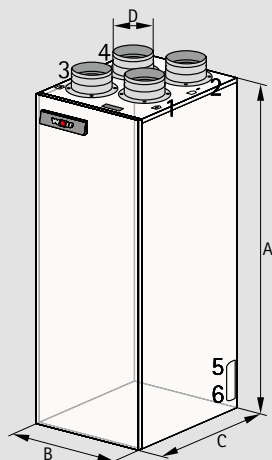
5 Electrical connection
6 Drain connection

Type	A	B	C	D	G	H	I	J	K	L
CWL-300/400 Excellent R	388	138	138	677	45	765	198	397	526	564
CWL-300/400 Excellent L	388	138	138	677	45	765	328	280	526	564

WOLF

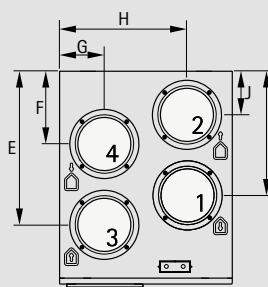
TECHNICAL DATA

DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY CWL-T Excellent



TYPE	CWL	CWL-T-300
max. fan power at 150 Pa	m³/h	300
Heat recovery efficiency maximum	%	93
Heat recovery efficiency η_{WBG}	%	85
Specific electrical power consumption $P_{el,Vent}$	W/(m³/h)	0,22
Specific power consumption SEC	kWh/(m³/h)	-37,58
Height	A mm	1287,5
Width	B mm	475
Depth	C mm	585
Duct connection diameter	D mm	160
Filter		ISO Coarse 60 % (G4) [ePM1 50 % (F7) as accessory]
Power factor	Cos ϕ	0,32 - 0,43
Electricity consumption	W	10 - 164
Electrical power consumption (without preheater)	W	86 [at 225 m³/h and 100 Pa]
Weight [with bypass]	kg	50
Protection class	IP	20
Electrical connection		230 V / 50 Hz

Connection 4/0 L



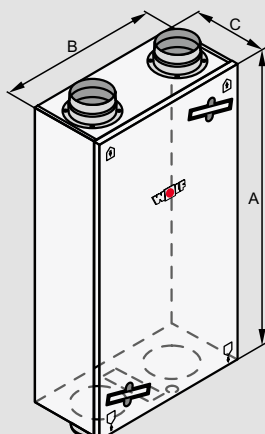
1 Supply air (living room)
2 Exhaust air (to the outside)

3 Extract air (living room)
4 Outdoor air (from outside)

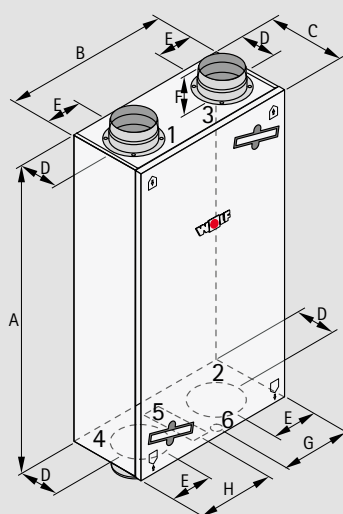
5 Electrical connection
6 Drain connection

Type	A	B	C	D	E	F	G	H	I	J
CWL-T-300 Excellent	1287,5	475	585	160	424	201	123	352	343	121

DOMESTIC VENTILATION SYSTEM WITH HEAT RECOVERY CWL-F Excellent



TYPE	CWL	CWL-F-150 Excellent	CWL-F-300 Excellent
max. fan power at 150 Pa	m³/h	150	300
Heat recovery efficiency maximum	%	94	92
Heat recovery efficiency η_{WBG}	%	89	84
Specific electrical power consumption Pel,Vent	W/[m³/h]	0,27	0,24
Specific power consumption SEC	kWh/[m³/h]	-37,60	-36,99
Height	A mm	1000	1185
Width	B mm	660	644
Depth	C mm	198	310
Duct connection diameter	mm	125	160
Filter		ISO Coarse 60 % [G4] [ePM1 50 % [F7] as accessory]	ISO Coarse 60 % [G4] [ePM1 50 % [F7] as accessory]
Power factor	Cos φ	0,34 - 0,49	0,39 - 0,53
Electricity consumption	W	11 - 72	9 - 163
Electrical power consumption (without preheater)	W	52 [at 125 m³/h and 150 Pa]	79 [at 225 m³/h and 150 Pa]
Weight	kg	25	37
Protection class	IP	30	30
Electrical connection		230 V / 50 Hz	230 V / 50 Hz



1 Supply air [living room]
2 Exhaust air [to the outside]

3 Extract air [living room]
4 Outdoor air [from outside]

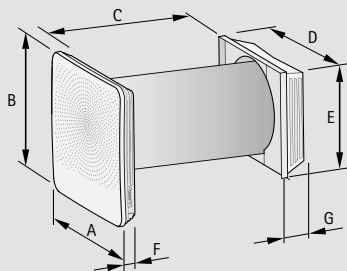
5 Electrical connection
6 Drain connection

Type	A	B	C	D	E	F	G	H
CWL-F-150 Excellent	1000	660	198	102	165	40	330	-
CWL-F-300 Excellent	1185	644	310	160	123	72	250	257

WOLF

TECHNICAL DATA

DECENTRAL DOMESITC VENTILATION SYSTEM WITH HEAT RECOVERY CWL-D



TYPE	CWL	CWL-D-70
Air volume at stage 1 / 2 / 3 / 4 / 5	m ³ /h	15 / 25 / 40 / 55 / 70
Heat recovery efficiency maximum	%	87
Heat recovery efficiency η_{WBG}	%	79
Specific electrical power consumption $P_{el,Vent}$	W/(m ³ /h)	0,20
Specific power consumption SEC	kWh/(m ³ /h)	-34,31
Diameter unit connection	mm	250
Filter		2x ISO Coarse 60 % (G4) [extract air] & 1x ISO Coarse 60 % (G4) [supply air]
Power factor	Cos ϕ	0,34 - 0,45
Width	kg	14
Protection class	IP	Indoor unit IP20 / front cover IPX4
Electrical connection		230 V / 50 Hz

Type	A	B	C	D	E	F	G
CWL-D-70	398	398	500 - 600	355	315	65	85

WOLF

COMMUNICATION AND SERVICE

COMMISSIONING	2
MAINTENANCE SETS	5
CONVERSION KITS	9
SERVICE CASE / SERVICE BOX	14
COMMUNICATION	17

WOLF

COMMISSIONING

When Wolf commissions the system, it must be installed ready for operation by the installer, fully wired and filled with heating water. Fuel in sufficient quantity and electricity must be available. It must be possible to dissipate the heat generated.
Date for commissioning by arrangement.

Please arrange the date with Wolf at least 5 working days in advance.

In the event of delays for which Wolf is not responsible, the costs incurred will be charged according to expenditure. The plant must be located within Germany and must be easily accessible by car.

The warranty periods for the products listed below, including commissioning by Wolf, apply from the date of commissioning.

Otherwise, the warranty period begins on the respective invoice date (in accordance with the valid sales and delivery conditions).

All commissionings include a one-off journey.

	for product	Art. no.	€	DG
COB-2/T0B				
Commissioning	Oil condensing boilers up to 40kW	99742	309,00	99
with CWL-2 without calibration	Oil condensing boilers up to 40kW	99639	500,00	99
with CWL-2 with calibration	Oil condensing boilers up to 40kW	99641	608,00	99
Cascade of 2	Oil condensing boiler 29 to 40kW	99763	455,00	99
Cascade of 3	Oil condensing boiler 29 to 40kW	99764	581,00	99
Cascade of 4	Oil condensing boiler 29 to 40kW	99765	741,00	99
Cascade of 5	Oil condensing boiler 29 to 40kW	99642	auf Anfrage	
MGK-2				
Commissioning	Gas condensing boilers up to 1000kW	99754	465.00	99
Cascade of 2	Gas condensing boilers up to 1000kW	99766	691.00	99
Cascade of 3	Gas condensing boilers up to 1000kW	99767	907.00	99
Cascade of 4	Gas condensing boilers up to 1000kW	99768	1128.00	99
Cascade of 5	Gasbrennwertkessel bis 1000kW	99643		99
CGB-2, CGB-2K, CGS-2, CGW-2				
Commissioning	Gas condensing boilers up to 30kW	99722	309,00	99
with CWL-2 without calibration	Gas condensing boilers up to 30kW	99632	500,00	99
with CWL-2 with calibration	Gas condensing boilers up to 30kW	99633	608,00	99
Cascade of 2	Gas condensing boilers up to 30kW	99634	479,00	99
Cascade of 3	Gas condensing boilers up to 30kW	99635	649,00	99
Cascade of 4	Gas condensing boilers up to 30kW	99636	819,00	99
Cascade of 5	Gas condensing boilers up to 30kW	99637	auf Anfrage	
CGB-2-38/55, CGB-2-75/100, CGB-75/100				
Commissioning	Gas condensing boilers up to 35-100kW	99723	353,00	99
Cascade 2	Gas condensing boilers up to 35-100kW	99769	523,00	99
Cascade 3	Gas condensing boilers up to 35-100kW	99771	680,00	99
Cascade 4	Gas condensing boilers up to 35-100kW	99772	851,00	99
Cascade 5	Gas condensing boilers up to 35-100kW	99638	auf Anfrage	
CGU-2K				
	All gas boilers	99721	309.00	99
CSZ-2				
	Wall mounted gas condensing boilers up to 24 kW	99725	387.00	99

	for product	Art. no.	€	DG
CHA/CHC-MONOBLOCK, BWL-1-I, BWS-1, BWW-1				
Commissioning	all heat pumps	99773	499,00	99
with gas condensing up to 30KW	all heat pumps	99223	711,00	99
with oil condensing up to 40KW	all heat pumps	99224	711,00	99
with CWL-2 without calibration	all heat pumps	99225	692,00	99
with CWL-2 with calibration	all heat pumps	99226	800,00	99
with gas condensing up to 30KW with CWL-2 without calibration	all heat pumps	99227	902,00	99
with gas condensing up to 30KW with CWL-2 with calibration	all heat pumps	99228	1010,00	99
with oil condensing up to 40KW with CWL-2 without calibration	all heat pumps	99229	902,00	99
with oil condensing up to 40KW with CWL-2 with calibration	all heat pumps	99241	1010,00	99
Cascade of 2	CHA-Monoblock	99242	749,00	99
Cascade of 3	CHA-Monoblock	99243	999,00	99
Cascade of 4	CHA-Monoblock	99244	auf Anfrage	
Cascade of 5	CHA-Monoblock	99245	auf Anfrage	
BWL-1S[B], CHC-SPLIT				
Heating circuit, cooling circuit up to 12m pipe length and regulation	BWL-1S[B], CHC-Split	99786	670,00	99
heating circuit, cooling circuit 12m to 25m pipe length and regulation	BWL-1S[B], CHC-Split	99787	770,00	99
with gas condensing up to 30KW	BWL-1S[B], CHC-Split	99644	880,00	99
with oil condensing up to 40KW	BWL-1S[B], CHC-Split	99645	880,00	99
with CWL-2 without calibration	BWL-1S[B], CHC-Split	99646	861,00	99
with CWL-2 with calibration	BWL-1S[B], CHC-Split	99647	969,00	99
with gas condensing up to 30KW with CWL-2 without calibration	BWL-1S[B], CHC-Split	99648	1071,00	99
with gas condensing up to 30KW with CWL-2 with calibration	BWL-1S[B], CHC-Split	99649	1179,00	99
with oil condensing up to 40KW with CWL-2 without calibration	BWL-1S[B], CHC-Split	99216	1071,00	99
with oil condensing up to 40KW with CWL-2 with calibration	BWL-1S[B], CHC-Split	99217	1179,00	99
Cascade of 2	BWL-1S[B]	99218	1241,00	99
Cascade of 3	BWL-1S[B]	99219	auf Anfrage	
Cascade of 4	BWL-1S[B]	99221	auf Anfrage	
Cascade of 5	BWL-1S[B]	99222	auf Anfrage	
SWP	Brauchwasserwärmepumpe	99870	261,00	99
COMMISSIONING				
without calibration	CWL-2	99746	290,00	99
With calibration	CWL-2	99748	398,00	99
FWS-2-MAX	Fresh water station	99990	610,00	99
CAT				
1-5 Stations				
1-5 stations	apiece	99991	166,00	99
6-9 stations	apiece	99992	89,00	99
10-15 stations	apiece	99993	56,00	99
SETTING SERVICE UP TO 100 KW				
Review and optimization of the setting of an existing WOLF heating system		99107	211,00	99
Here the control settings (Basic settings, time programs, expert level) reviewed and adjusted if necessary / specifications Dimension is included.				

WOLF COMMISSIONING

	for product	Art. no.	€	DG
<hr/>				
SETTING SERVICE FROM 100 KW		99108	387.00	99
Review and optimization of the setting of an existing WOLF heating system				
Here the control settings [Basic settings, time programs, expert level] reviewed and adjusted if necessary / specifications Dimension is included.				
<hr/>				
CONNECTING SERVICE		99444	310.00	
<ul style="list-style-type: none">• Einbau und Inbetriebnahme• Einbau des LAN / WLAN-Moduls WOLF Link home• Verbindung Ihres Gerätes mit dem Internet• Einweisung in die Funktionen des kostenlosen WOLF Smartset• Hilfe bei der Einrichtung Ihres Gerätes auf einem Endgerät (z.B. Laptop)				
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WOLF MAINTENANCE SETS

	for product	Art. no.	€	DG
MAINTENANCE SET FOR TOB FLOORSTANDING OIL CONDENSING BOILER				
For one service				
Consisting of:				
1 TOB-18 oil nozzle				
1 O-ring Ø 320 x 8				
1 O-ring Ø 132 x 4				
1 tube of silicone grease 10 g				
1 filter insert for TOB oil filter 5-2 µm				
1 gasket for TOB air nozzle				
1 TOB ignition electrode kit				
1 ignition cable entry				
1 set of maintenance instructions for TOB-18				
	TOB	2745711	94.52	ET
MAINTENANCE SET FOR OIL CONDENSING BOILER COB				
for one maintenance				
consisting of:				
1 oil nozzle, 1 spare cartridge				
1 O-ring Ø 320 x 8				
1 O-ring Ø 75 x 1.5				
1 O-ring Ø 87 x 2.5				
1 Silicone grease 10 gram tube				
1 ignition electrode				
1 light tube end piece				
1 Ignition cable bushing				
1 Maintenance manual				
1 condenser for oil pump motor				
	COB-15	8908788	80.50	ET
	COB-20	8908787	101.52	ET
	COB-29	8908790	101.52	ET
	COB-40	8908789	110.87	ET
MAINTENANCE SET FOR OIL CONDENSING BOILER COB-2				
for one maintenance				
consisting of:				
1 oil nozzle, 1 spare cartridge				
1 O-ring Ø 132 x 4,0				
1 O-ring Ø 320 x 8				
1 Air nozzle seal				
1 Silicone grease 10 gram tube				
1 ignition electrode				
	COB-2-15	8908623	74.19	ET
	COB-2-20	8908624	74.19	ET
	COB-2-29	8908625	74.19	ET
	COB-2-40	8908626	74.19	ET
WARTUNGSSET GASBRENNWERTKESSEL				
for a maintenance				
consisting of:				
1 burner flange gasket				
1 ignition electrode with seal				
1 monitoring electrode with seal				
	MGK-2-130/170/210/250/300	8752282	105.04	ET
	MGK-2-390/470/550/630	8752022	149.42	ET
	MGK-130/170/210/250/300	8751280	110.87	ET

WOLF MAINTENANCE SETS

	for product	Art. no.	€	DG
MAINTENANCE SET FOR WALL-MOUNTED GAS CONDENSING BOILER from year of construction January 2016 for maintenance consisting of: 1 silicone grease 10 gram tube 2 seals combustion chamber 1 monitoring electrode 1 ignition electrode 1 flat seal monitoring electrode 2 screws 35x10 1 burner gasket 1 gasket burner flange 4 screws 60x14 for burner Maintenance manual	CGB-2, CGW-2, CGS-2, CSZ-2	8614984	60.17	ET
MAINTENANCE SET FOR WALL MOUNTED GAS CONDENSING BOILER For one service Consisting of: 1 tube of silicone grease 1 g 1 burner gasket 2 combustion chamber gaskets 1 monitoring electrode 1 O-ring Ø 9.5 x 2 3 flat gasket Ø 24 x 17 x 2 2 flat gasket Ø 18.5 x 11 x 2 1 protective hose for ionisation electrode 4 screws M4 x 8 1 ignition cable 1 ignition electrode 1 ignition electrode gasket Maintenance instructions	CGB, CGS, CGW (does not apply to CGB-35, CGB-50, CGB-K40-35, CGB-75, CGB-100)	2745709	51.39	ET
WARTUNGSSSET GASBRENNWERT-HEIZTHERME Bestehend aus: 1x Überwachungselektrode CGB-2-38/55 1x Dichtung Überwachungselektrode CGB-2-38/55 1x Zündelektrode CGB-2-38/55 1x Dichtung Zündelektrode CGB-2-38/55 4x Schraube-Zylinder ISO4762 M4x10 - A2/70 1x Antiseize Paste 932 Bechem 10g Beutel 1x Dicht.Flach 24X17X2 1x Wartungsanleitung CGB-2-38/55	CGB-2-38/55	8616224	91.00	ET
MAINTENANCE SET FOR WALL MOUNTED GAS CONDENSING BOILERS For one service Consisting of: 1 tube of silicone grease 1 g 2 combustion chamber gaskets 1 monitoring electrode 1 ignition electrode 1 flat gasket Ø 24 x 17 x 2 1 flat gasket for monitoring electrode 1 protective hose for monitoring electrode 2 screws M4 x 8 Maintenance instructions	CGB-35, CGB-50, CGB-K40-35	8611173	94.52	ET

WOLF MAINTENANCE SETS

	for product	Art.no.	€	DG
MAINTENANCE SET FOR WALL MOUNTED GAS CONDENSING BOILER For one service Consisting of: 1 tube of silicone grease 10 g 1 burner gasket 1 monitoring electrode 1 O-ring Ø 320 x 8 1 ignition electrode 1 flat gasket for ignition electrode 1 flat gasket for monitoring electrode 1 protective hose for ionisation electrode 4 screws M4 x 8 Maintenance instructions	CGB-75, CGB-100	8612865	94.52	ET
MAINTENANCE GASKET SET FOR WALL MOUNTED GAS CONDENSING BOILER For versatile use Consisting of: 1 tube of silicone grease 10 g 1 tube of heat conducting paste 35 g 1 fan flange gasket 1 fan return damper gasket 1 burner gasket 1 flat gaskets Ø 18.5 x 11 x 2 1 flat gaskets Ø 24 x 17 x 2 1 flat gaskets Ø 30 x 21 x 2 6 O-rings Ø 36 x 26 x 5 1 O-rings Ø 22 x 18 x 2 1 O-rings Ø 22.22 x 2.62 1 flue pipe gasket 1 balanced flue chimney adaptor gasket 5 GB gaskets for monitoring electrode 5 GB gaskets for ignition electrode up to year of manufacture 5/1 5 GB gaskets for ignition electrode from year of manufacture 6/1	All gas condensing boilers [does not apply to CGB, CGS, CGW CGB-2, CGS-2, CGW-2]	8601006	105.04	ET
CLEANING KIT FOR WALL MOUNTED GAS CONDENSING BOILER for multiple use consisting of: 1 cleaning container 1 cleaning brush stainless steel (for standard heat exchanger) 1 cleaning brush plastic (for coated heat exchanger) 1 CGB universal key 1 universal key CGB-2 Maintenance manual	All gas condensing boilers up to 28kW	8603194	127.21	ET
CLEANING EXTENSION KIT Consisting of: 10 multi-purpose bags with tension straps 2 suspension hooks Maintenance instructions	CGB-35, CGB-50, CGB-K40-35	2482875	33.40	ET
CLEANING BRUSH Stainless steel [for standard heat exchangers] Plastic [for coated heat exchangers]	gas condensing boilers	244005399 248360999	33.40 21.60	ET ET
SILICONE SPRAY 300ml	gas condensing boilers	350156699	77.00	ET

The above mentioned prices
are without obligation and without VAT.

WOLF COMMUNICATION AND SERVICE



WOLF MAINTENANCE SETS

	for product	Art.no.	€	DG
CGU-2 MAINTENANCE SET for a maintenance 1 monitoring electrode 2 Hose protection for ionisation electrode 1 ignition electrode 2 screw cylinder M4x8 DIN 912 self-cutting 4 sealing O-ring 17x4 for pipe DN18 2 Seal.flat 24x17x2 1 grease silicone 10 gram tube	CGU-2	8615277	51.39	ET
CGG-2 MAINTENANCE SET for a maintenance 1 monitoring electrode 2 Hose protection for ionisation electrode 1 ignition electrode with cable bushing 2 screw cylinder M4x8 DIN 912 self-cutting 4 sealing O-ring 17x4 for pipe DN18 2 Sealing flat 24x17x2 Piping 1 fat silicone 10 gram tube	CGG-2	8615278	51.39	ET
MAINTENANCE SET TGB-40/60 for a maintenance consisting of: 2 Silicone grease 10 gram tube 1 GB seals for ignition electrode up to year of manufacture 05/01 1 GB seals for ignition electrode from year of manufacture 06/01 1 monitoring electrode with seal and screw 2 O-rings 6x26x5 7 Flat gaskets 24x17x2 3 flat gaskets 18,5x11x2 1 maintenance manual	TGB-40/60	8602725	105.04	ET
MAINTENANCE SET FOR WALL-MOUNTED GAS CONDENSING BOILER for a maintenance consisting of: 2 Silicone grease 10 gram tube 1 GB seals for ignition electrode up to year of manufacture 05/01 1 GB seals for ignition electrode from year of manufacture 06/01 1 monitoring electrode with seal and screw 2 O-rings Ø 36 x 26 x 5 7 Flat gaskets Ø 24 x 17 x 2 3 flat gaskets Ø 18,5 x 11 x 2 Maintenance manual	All gas condensing boilers up to 25kW (does not apply to CGB, CGS, CGW CGB-2, CGS-2, CGW-2)	8602306	26.85	ET
CLEANING TOOL MGK-2		2482879	80.50	ET

WOLF CONVERSION KITS

	for product	Art.no.	€	DG
NATURAL GAS E TO NATURAL GAS LL				
	GU-2E(K)-S18, GU-2E(K)-S24	8601099	39.12	ET
	GG-2E(K)-S18, GG-2E(K)-S24	8601102	39.12	ET
NATURAL GAS LL TO NATURAL GAS E				
	GG-E(K)-18, GG-E(K)-24, GU-E(K)-18, GU-E(K)-24	8600141	37.37	ET
	GG-1E(K)-18, GG-1E(K)-24	8600304	41.47	ET
	GU-1E(K)-18			
	GU-1E(K)-24	8600305	37.37	ET
	GG-2E(K)-S18, GG-2E(K)-S24	8601100	39.12	ET
	GU-2E(K)-S24	8601101	39.12	ET
NATURAL GAS E/LL TO LPG				
	GU-2E-S/GG-2E-S	8601300	127.21	ET
LPG TO NATURAL GAS E				
	GU-2E-S18 und GG-2E-S18/24	8601296	127.21	ET
	GU-2E-S24	8601298	127.21	ET
LPG TO NATURAL GAS LL				
	GG-2E-S18/24	8601297	127.21	ET
	GU-2E-S18/24	8601299	343.00	ET
NATURAL GAS E OR LPG P TO NATURAL GAS LL				
	CGU-2(K)-18, CGU-2(K)-24	8612655	39.12	ET
	CGG-2(K)	8612662	39.12	ET
NATURAL GAS LL OR LPG P TO NATURAL GAS E				
	CGU-2(K)	8612654	39.12	ET
	CGG-2(K)-18, CGG-2(K)-24	8612660	39.12	ET
NATURAL GAS E/LL TO LPG P				
	CGU-2(K)	2800723	131.89	ET
	CGU-2(K)	2800724	149.42	ET
NATURAL GAS E/LL TO LPG P OR B/P				
	CGG-2(K)-18	2800725	131.89	ET
	CGG-2(K)-24	2800726	143.58	ET
CONVERSION FROM COMBI TO CONVENTIONAL BOILER				
	CGU-2K	8613065	121.38	ET
CONVERSION FROM CONVENTIONAL TO COMBI BOILER				
	CGU-2(K)	8613066	746.00	ET

WOLF CONVERSION KITS

	for product	Art.no.	€	DG
NATURAL GAS LL TO NATURAL GAS E				
	TGK-24, GB-E[K]-20, TGB[-K]-20, GB-E[K]-20S	8600863	19.86	ET
	TGB 60	8602312	20.56	ET
NATURAL GAS E TO NATURAL GAS LL OR NATURAL GAS LL TO NATURAL GAS E				
	CGB-11, CSZ-11/300	8610612	55.55	ET
NATURAL GAS E/LL TO LPG B/P				
	CGB-20, CGW-20/120, CGS-20/160, CSZ-20/300	8602667	225.36	ET
	CGB-24, CGW-24/140, CGS-24/200, CSZ-24/300	8610610	26.85	ET
LPG TO NATURAL GAS OR NATURAL GAS LL TO NATURAL GAS E				
	CGB-20, CGW-20/120, CGS-20/160, CSZ-20/300	8602698	18.57	ET
LPG TO NATURAL GAS OR NATURAL GAS LL TO NATURAL GAS E OR NATURAL GAS E TO NATURAL GAS LL OR LPG P TO NATURAL GAS LL				
	CGB-24, CGW-24/140, CGS-24/200, CSZ-24/300	8610611	24.18	ET
NATURAL GAS E/LL TO LPG P				
	CGB-35, CGB-K40-35	8611276	18.57	ET
	CGB-50	8611278	18.57	ET
LPG TO NATURAL GAS OR NATURAL GAS LL TO NATURAL GAS E				
	CGB-35, CGB-K40-35	8611275	18.57	ET
	CGB-50	8611277	18.57	ET
CONVERSION FROM CONVENTIONAL TO COMBI BOILER				
	CGB-20	8602668	1061.00	ET
	CGB-2	8614396	828.00	ET
CONVERSION FROM CONVENTIONAL TO COMBI BOILER				
	CGB-20	8602708	54.90	ET
	CGB-2K	8614397	72.31	ET

WOLF CONVERSION KITS

	for product	Art.no.	€	DG
Conversion and commissioning must be carried out by the factory customer service!				
For MGK/MGK-2: For each additional boiler in cascade a further 50% of the conversion lump sum is due.				
	for product	Name	€	DG
CONVERSION TO LIQUEFIED PETROLEUM GAS P	CGB-75/100	99753	387.00	99
incl. travel expenses and commissioning by plant customer service.				
ERDGAS E AUF ERDGAS LL				
	TGB-2-20	8616298	18.57	ET
	TGB-2-30	8616303	18.57	ET
ERDGAS E/LL AUF FLÜSSIGGAS P				
	TGB-2-20	8616300	43.81	ET
	TGB-2-30	8616305	43.81	ET
FLÜSSIGGAS P AUF ERDGAS E				
	TGB-2-20	8616301	41.47	ET
	TGB-2-30	8616306	41.47	ET
FLÜSSIGGAS P AUF ERDGAS LL				
	TGB-2-20	8616302	41.47	ET
	TGB-2-30	8616307	41.47	ET
ERDGAS LL AUF ERDGAS E				
	TGB-2-20	8616299	24.18	ET
	TGB-2-30	8616304	24.18	ET
CONVERSION KIT				
Natural gas E/LL on liquid gas P				
Liquid gas P on natural gas E/LL				
Incl. travel expenses and commissioning by plant customer service				
	MGL-2-130-170	99751	682.00	99
	MGK-2-210-300	99752	826.00	99

WOLF CONVERSION KITS

	for product	Art.no.	€	DG
NG-1P				
To natural gas E				
	NG-1-17, NG-1-23	2800754	26.85	ET
	NG-1-29	2800755	33.40	ET
	NG-1-35	2800756	41.47	ET
NG-2E/P				
To natural gas E				
	NG-2E/P-10	8887322	24.18	ET
	NG-2E/P-17	8887323	24.18	ET
	NG-2E/P-23	8887324	28.73	ET
	NG-2E/P-29	8887325	45.55	ET
	NG-2E/P-35	8887326	33.40	ET
	NG-2E-48	8887327	33.40	ET
NG-3EP				
To natural gas E				
	NG-3E-10	8887328	8.51	ET
	NG-3E-17	8887329	11.67	ET
	NG-3E-23	8887330	15.76	ET
	NG-3E-29	8887331	19.86	ET
	NG-3E-35	8887332	24.18	ET
	NG-3E-48	8887333	32.58	ET
NG-4E, TNG, CNG				
To natural gas E				
	NG-4E-10, CNG-10	8885561	45.55	ET
	NG-4E-17, NG-4E-S-16, CNG-17, TNG-17	8885562	26.85	ET
	NG-4E-23, NG-4E-S-22, CNG-23, TNG-23	8885563	24.18	ET
	NG-4E-29, CNG-29, TNG-29	8885564	26.85	ET
	NG-4E-35, CNG-35	8885565	62.96	ET
	NG-4E-48, CNG-48	8885566	37.37	ET
FNG				
To natural gas LL				
	FNG-10	8902497	17.51	ET
	FNG-17	8902498	17.51	ET
	FNG-21	8902499	28.73	ET
	FNG-26	8902500	17.51	ET
	FNG-34	8902501	24.18	ET
	FNG-41	8902502	24.18	ET
	FNG-57	8902503	33.40	ET
FNG				
To LPG P				
	FNG-10	8902504	66.47	ET
	FNG-17, FNG-21	8902505	83.99	ET
	FNG-26	8902506	98.03	ET
	FNG-34	8902507	108.06	ET
	FNG-41	8902508	117.88	ET
	FNG-57	8902509	137.73	ET

WOLF CONVERSION KITS

	for product	Art.no.	€	DG
FNG				
To natural gas E				
	FNG-10	8902510	18.57	ET
	FNG-17	8902511	28.73	ET
	FNG-21	8902512	28.73	ET
	FNG-26	8902513	45.55	ET
	FNG-34	8902514	66.47	ET
	FNG-41	8902515	80.50	ET
	FNG-57	8902516	94.52	ET
NG-30E/ED				
To natural gas E				
	NG-30E-72, NG-30ED-144*	8752584	101.52	ET
	NG-30E-96, NG-30ED-192*	8752585	127.21	ET
	NG-30E-120, NG-30ED-240*	8752586	155.27	ET
NG-31E/ED				
To natural gas LL				
	NG-31E-70, NG-31ED-140*	8700299	87.51	ET
	NG-31E-90, NG-31ED-180*	8700300	101.52	ET
	NG-31E-110, NG-31ED-220*	8700301	117.88	ET
NG-31E/ED				
To LPG B/P				
	NG-31E-70, NG-31ED-140*	8750050	251.06	ET
	NG-31E-90, NG-31ED-180*	8750051	286.11	ET
	NG-31E-110, NG-31ED-220*	8750052	318.00	ET
NG-31E/ED				
To natural gas E				
	NG-31E-70, NG-31ED-140*	8700314	220.69	ET
	NG-31E-90, NG-31ED-180*	8700315	268.59	ET
	NG-31E-110, NG-31ED-220*	8700316	318.00	ET

WOLF

SERVICE CASE / SERVICE BOX



	for product	Art. no.	€	DG
SERVICE CASE OIL CONDENSING BOILER TOB	TOB	8908801	1034.95	ET
consisting of:				
1 ignition electrode set				
1 insertion sensor 5KNTC brass				
1 plug-in sensor 5KNTC brass Molex				
1 pressure sensor analogue 4,5bar incl.O-ring				
1 O-ring 320x8 VMQ				
1 non-return valve for condensate pump				
1 filter insert oil filter TOB 5-20 µm				
1 Air nozzle seal				
1 oil pump complete				
1 coil for solenoid valve oil pump				
2 Oil nozzle 0.25 - 60° MST				
1 ignition transformer				
1 differential pressure switch				
1 oil pressure sensor				



SERVICE CASE OIL CONDENSING BOILER COB	COB	8908800	1850.00	ET
consisting of:				
1 Broadband flame monitor COB-15-29				
1 insertion sensor 5KNTC brass				
1 Broadband flame monitor COB-40				
1 pressure switch for heating water				
2 Oil nozzle 0.30 / 80° S				
2 Oil nozzle 0.40 / 80° S LE				
2 Oil nozzle 0.55 / 80° S LE				
2 ignition electrode scetch				
1 oil nozzle 0.65/80° S LE				
1 oil pump COB 15 / 12 bar				
1 oil pump COB-20/29/40				
1 condenser for oil pump motor				
2 coils for solenoid valve oil pump [Danfoss]				
2 coils for solenoid valve oil pump [Suntec]				
1 ignition transformer				
1 light tube end piece				
1 siphon SH 150 XL incl. condensate hose				
1 O-ring 320x8 VMQ				
1 plug-in sensor 5KNTC brass Molex				
1 non-return valve for condensate pump				



SERVICE CASE OIL CONDENSING BOILER COB-2	COB-2	8908799	1470.55	ET
consisting of:				
1 ignition electrode set				
1 insertion sensor 5KNTC brass				
1 layer charge sensor 5KNTC brass				
1 Heating water pressure sensor				
1 O-ring 320 x 8 VMQ				
1 non-return valve for condensate pump				
1 Air nozzle seal				
2 oil nozzles 0,30 / 80°S				
2 oil nozzles 0,35 / 60°S				
2 oil nozzles 0,45/80°S Danfoss				
1 oil nozzle 0,55/80°S Danfoss				
1 Differential pressure sensor				
1 oil pump COB-20/29/40				
1 oil pump COB 15 / 12 bar				
1 condenser for oil pump motor				
2 coils for solenoid valve oil pump [Danfoss]				
2 coils for solenoid valve oil pump [Suntec]				
1 ignition transformer				



SPARE PARTS CASE FOR CONDENSING GAS BOILERS CGB

for product	Art. no.	€	DG
CGB/CGS/CGW/CSZ up to 25kW	8614143	1258.35	ET

consisting of:
 2 flow sensors
 1 temperature sensor return flow
 1 ignition transformer
 1 gas combination valve
 1 storage sensor
 1 control board
 1 heating circuit pump
 1 temperature monitor flow
 2 exhaust gas temperature monitors 85°C or 100°C (only 24kW)
 2 monitoring electrodes
 2 ignition electrodes
 20 Flat gaskets 18.5 x 11 x 2
 20 Flat gaskets 24 x 17 x 2
 20 Flat gaskets 30 x 21 x 2
 20 Flat gaskets 37.5 x 27 x 2



SERVICEKOFFER GASBRENNWERTTHERMEN CGB-2

CGB-2/CGS-2/CGW-2/CSZ-2 bis 24kW	8615001	1400.18	ET
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consisting of:
 2 flow sensors
 1 temperature sensor return flow
 1 ignition transformer
 1 gas combination valve
 1 storage sensor
 1 control board
 1 heating circuit pump
 1 temperature monitor flow
 2 exhaust gas temperature monitors 85°C or 100°C (only 24kW)
 2 monitoring electrodes
 2 ignition electrodes
 20 Flat gaskets 18.5 x 11 x 2
 20 Flat gaskets 24 x 17 x 2
 20 Flat gaskets 30 x 21 x 2
 20 Flat gaskets 37.5 x 27 x 2

WOLF

SERVICE CASE / SERVICE BOX



	for product	Art. no.	€	DG
SERVICE CASE FOR BWL-1 / BWS-1 HEAT PUMPS	BWL-1 / BWS-1	9145973	2161.58	ET
consisting of:				
10 film hinges control housing				
1 3-way valve with clamping ring DN28				
2 flow sensors				
2 immersion sensors 6 mm PT 1000				
2 immersion sensors 6 mm NTC 5k				
1 control board HPM				
1 control board HCM				
1 flow sensor DN25 G1¼ AG				
1 analogue pressure sensor for water up to 4.5 bar				
1 soft starter 11kW				
1 servo motor 24VAC				
2 storage sensor				
10 Flat gaskets 44 x 32 x 2				
10 Flat gaskets 37.5 x 27 x 2				



BWL-1S HEAT PUMP SERVICE CASE	BWL-1S	9146407	1983.33	ET
consisting of:				
1 control board HCM-3 Heater Curcuit				
1 Temp sensor OCT L1400 BWL-1S-10/14 AE				
1 Temp sensor CTT L1000 BWL-1S-10/14 AE				
1 Temp sensor OMT L1400 BWL-1S-10/14 AE				
1 Temp sensor OAT L1400 BWL-1S-10/14 AE				
1 Temp sensor OAT/OMT BWL-1S-7-230V AE				
1 Hot gas sensor 10K BWL-1S-7-230V AE				
1 Temp sensor CMV/VRF BWL-1S-7-230V AE				
1 flow/return flow sensor				
1 pump heating circuit High efficiency 25 / 7.5 / 130				
1 hydraulic block incl. 3-way valve				
1 EWO control board				
2 Refrigerant pressure sensor BWL-1S				
1 flow sensor DN25 Application				



SERVICEBOX

Mobile interface for WOLF heating systems
Perfect for commissioning and maintenance
Adjustment of all important parameters on the laptop/smartphone
Preparation of documentation and protocols
Plug&Play: Connection directly to the heating system via eBus
No additional cables required thanks to integrated WLAN module
Offline use with Smartset PC App (new version) possible

2746032 540.00 H41

Consisting of:

- 1 interface module WOLF Link pro (successor ISM7e)
- 1 case
- 1 Powerbank (battery life up to 8h)
- 1 USB power supply unit
- 1 USB cable
- 1 network cable
- 1 eBus cable
- 1 eBus adapter



WOLF LINK HOME LAN / WLAN INTERFACE MODULE

Consisting of:
WOLF LINK HOME interface module, connection cable, installation / operating instructions, network cable

- Integrated LAN and WLAN interfaces for integration of WOLF heating systems in one network, or
- For WOLF heating device connections to the Wibur Smarthome system

2746365 253.00 H41

Note: To obtain full access to both functions and operation a programming module BM-2 is recommended.



WOLF LINK PRO LAN/WLAN EXTERNAL INTERFACE MODULE

Consisting of:
Interface module ISM7e / WOLF LINK PRO, installation and operating instructions, eBus cable, power supply unit, network cable

- LAN and WLAN interface module for wall mounting or mobile application
- Connection of Wolf heating appliances to the Wolf Smartset portal/App
- mobile application for parametrisation of the heating system
- Voltage supply via mains adapter or USB

2746366 474.00 H41

Note: Nur in Verbindung mit BM-2 verwendbar.



WOLF LINK 4G

Consisting of:
Interface module WOLF Link 4G incl. LTE router with external antenna, mounting / operating instructions, power supply unit

2747704 970.00 H41

- Interface module for wall mounting in systems without a fixed Internet connection
- Connection of WOLF heating systems to the WOLF Smartset Portal / App
- Use for parameterization of compatible WOLF devices
- Power supply via power supply unit
- A mobile data tariff (min. 3G) with approx. 500MB/month is required for operation.

Note: Service leasing variant incl. Multi-Sim card (minimum contract term 2 years) available from Wolf Service.

WOLF

TOPWING UNIT HEATER

TOPWING UNIT HEATER TLH-EC / TLH	02
TOPWING TLH-EC	02
Unit heater with EC fan	
TOPWING TLH	03
Unit heater	
WRS CONTROL SYSTEMS / CONTROL ACCESSORIES	04
ACCESSORIES	06
TECHNICAL DATA	16
BASIC UNIT	16
ACCESSORIES	17
TOPWING UNIT HEATER TLHK-EC / TLHK	22
TOPWING TLHK-EC	22
Unit heater for heating or cooling with EC fan	
TOPWING TLHK	23
Unit heater for heating or cooling	
WRS CONTROL SYSTEMS / CONTROL ACCESSORIES	24
ACCESSORIES	26
TECHNICAL DATA	29
BASIC UNIT	29
ACCESSORIES	30
TOPWING UNIT HEATER TLHD-EC / TLHD-K-EC / TLHD / TLHD-K	34
TOPWING TLHD-EC	34
Unit heater for heating with ec fan	
TOPWING TLHD-K-EC	35
Unit heater for heating or cooling with ec fan	
TOPWING TLHD	36
Unit heater for heating	
TOPWING TLHD-K	37
Unit heater for heating or cooling	
WRS CONTROL SYSTEMS / CONTROL ACCESSORIES	38
ACCESSORIES	40
TECHNICAL DATA	47
BASIC UNIT	47
BASIC UNIT	48



TOPWING TLH-EC UNIT HEATER WITH EC FAN

DG | L50

Unit heater with discharge louver for wall or ceiling mounting;
outdoor air, mixed air or recirculation air mode for heating or ventilation

Full motor protection with integral temperature monitoring

Energy saving EC fans (1 x 230 V)

Casing: traffic white RAL 9016

Discharge louver: „WOLF silver“

EC-motor 230V / 50Hz

Heat exchangers*: copper-aluminium LPHW

		25	40	63	100
Type 1	Art. no.	6523853	6523857	6523861	6523912
	€	1480,00	2060,00	2860,00	3615,00
Type 2	Art. no.	6523854	6523858	6523862	6523913
	€	1590,00	2170,00	2930,00	3770,00
Type 3	Art. no.	6523855	6523859	6523863	6523914
	€	1660,00	2290,00	3130,00	4135,00
Type 4	Art. no.	6523856	6523860	6523864	6523915
	€	1745,00	2410,00	3340,00	4340,00

* Heat exchanger galvanised steel, steam by request.
RAL and special colours by request.



TOPWING TLH UNIT HEATER

DG | L50

Unit heater with discharge louvre for wall or ceiling mounting;
outdoor air, mixed air or recirculation air mode for heating or ventila-
tion

Discharge louvre: „WOLF silver“

full motor protection through integral thermal contacts

Casing: traffic white RAL 9016

Single phase AC motor 230V / 50Hz

Heat exchangers*: copper-aluminium LPHW

		25	40	63
Type 1	Art. no.	6500156	6500164	6523674
	€	1280,00	1710,00	2220,00
Type 2	Art. no.	6500157	6500165	6523675
	€	1385,00	1830,00	2295,00
Type 3	Art. no.	6500158	6500166	6523676
	€	1460,00	1940,00	2490,00
Type 4	Art. no.	6500159	6500167	6523677
	€	1545,00	2060,00	2705,00

Three-phase motor 3 x 400V / 50Hz

Heat exchangers*: copper-aluminium LPHW

		25	40	63	100
Type 1	Art. no.	6523634	6523638	6523642	6523646
	€	1155,00	1540,00	2050,00	2650,00
Type 2	Art. no.	6523635	6523639	6523643	6523647
	€	1220,00	1700,00	2140,00	2800,00
Type 3	Art. no.	6523636	6523640	6523644	6523648
	€	1290,00	1785,00	2320,00	3180,00
Type 4	Art. no.	6523637	6523641	6523645	6523649
	€	1410,00	1925,00	2540,00	3380,00

* Heat exchanger galvanised steel, steam by request.
RAL and special colours by request.

WOLF

WRS CONTROL SYSTEMS



BML VENTILATION PROGRAMMING UNIT

- Room temperature-compensated temperature control
- Graphic display with backlight
- Simple menu navigation through plain text display
- Operation using rotary knob with push-function
- 4 function keys for frequently used functions (information, temperature, speed setting, fresh air proportion)
- Mounted optionally in the ventilation module or in the wall holder as remote control
- Only one ventilation operating module BML is needed to operate up to 7 zones
- Demand-optimised boiler water temperature demand via eBus
- eBus interface

Art. no.	€	DG
2744634	425.00	L50



WALL MOUNTING BASE

Wall mounting base for using the BML programming unit as a remote control

2744275	32.40	H41
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LM1 VENTILATION MODULE

(incl. room temperature sensor)

- Ventilation module for controlling unit heaters with two-stage motor
- Simple configuration of the controller by selecting predefined system diagrams
- Demand-optimised room temperature control via the rotary speed of the unit heater
- Operation of the heating circuit pump
- Operation of the heat generator
- Demand-optimised boiler water temperature demand via eBus
- eBus interface with automatic energy management
- Ventilation operating module BML can be clipped on

2744603	456.00	L50
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Note: Not in conjunction with EC motor.



LM2 VENTILATION MODULE

- Ventilation module LM2 for controlling the room temperature by means of the rotation speed or the mixer control
- 2-stage motor control in connection with ventilation module LM1 or variable speed control via EC-motor
- Simple configuration of the controller by selecting predefined system diagrams
- Operation of the heat or cooling generator
- Demand-optimised boiler water temperature demand via eBus
- eBus interface with automatic energy management
- Ventilation operating module BML can be clipped on
- Mixed air flap control (in combination with 24 V~ electric servomotor)
- Induction louvre control

2744604	456.00	L50
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WOLF
CONTROL ACCESSORIES

	Art. no.	€	DG
OUTSIDE, CEILING OR ROOM TEMPERATURE SENSOR	2792021	34.30	H41

DIFFERENTIAL PRESSURE SWITCH
For filter monitoring

Loose	2744030	130.00	L50
Fitted	6523043	238.00	L50

5-STAGE SWITCH
Electronic 5-stage speed controller, input 0 - 10 V

[2 A, 400 V]	2744840	1110.00	L50
[4 A, 400 V]	2744841	1110.00	L50
[6 A, 230 V]	2745066	785.00	L50

Note: Not in conjunction with EC motor.

TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE Can be used as a cylinder, boiler, central unit and supply air temperature sensor	8852829	62.00	H41
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SENSOR HOLDER For supply air sensor	2792029	28.70	L50
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WOLF

CONNECTING ACCESSORIES



SHUT-OFF SETS FOR HEAT EXCHANGER FOR FLOW AND RETURN

Consisting of:

1" threaded connection for connecting to flow and return with flat gasket, automatic air vent valve, drain and fill valve, ball valves with 1" female thread in flow and return, 3/4" male thread connection option [e. g. for the thermometer] in flow and return, suitable for heating water temperatures up to max. 110 °C and operating pressure up to max. 10 bar.

Straight-through version

TLH-EC 25 Type 2/3/4;
TLH 25 Type 2/3/4;
TLH-EC 40 Type 2/3/4;
TLH 40 Type 2/3/4;

2008030

126.00 L50

Right angle version

TLH-EC/TLH 63 Type 1;
TLH-EC/TLH 100 Type 1
TLH-EC 25 Type 2/3/4;
TLH 25 Type 2/3/4;
TLH-EC 40 Type 2/3/4;
TLH 40 Type 2/3/4;
TLH-EC/TLH 63 Type 1;
TLH-EC/TLH 100 Type 1

2008040

134.00 L50

HYDRONIC BALANCING VALVE

DN20, 4 - 15 l/min

2070931

254.00 L50

DN20, 8 - 30 l/min

2070932

254.00 L50

DN25, 6 - 20 l/min

2070933

264.00 L50

DN 25, 10 - 40 l/min

2070934

264.00 L50

DN 32, 20 - 70 l/min

2070935

326.00 L50

DN 40, 30 - 120 l/min

2070936

430.00 L50

FLANGE SET

Consisting of 2 threaded flanges, 2 welded flanges and 2 flat gaskets, plus hexagonal bolts and hexagonal nuts

DN20, R 3/4"

TLH-EC/TLH 25,40 Type 1

2070201

84.00 L50

DN25, R 1"

TLH-EC/TLH 25,40 Type 2/3/4;

2070202

88.00 L50

TLH-EC/TLH 63,100 Type 1

DN32, R 1 1/4"

TLH-EC/TLH 63 Type 2/3/4

2070203

123.00 L50

DN40, R 1 1/2"

TLH-EC/TLH 63 Type 2/3/4

2070204

136.00 L50

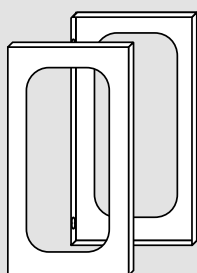
WOLF
DEVICE FASTENINGS

for product

Art. no.

€

DG

**FIXING BRACKETS**

For installation on the wall or ceiling, made from 2 mm folded sheet steel, powder-coated, colour: traffic white RAL 9016.

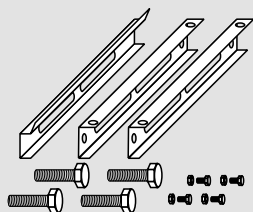
Consisting of:

- 2 brackets
- Hexagon bolts for installing on appliance

unit size 25, 40
unit size 63, 100

6500494
6500497

62.00 L50
73.00 L50

**FIXING KIT FOR CONCRETE LINTEL, VERTICAL**

For fixing to a concrete beam by suspending from pre-mounted fixing rails.

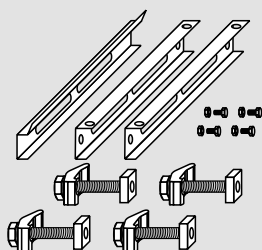
Consisting of:

Mounting rail, 2 support rails, nuts and bolts (only in conjunction with fixing brackets)
Zinc-plated sheet steel

unit size 25
unit size 40

6500781
6500782

96.00 L50
96.00 L50

**FIXING KIT FOR STEEL BEAM, VERTICAL**

For fixing to a steel beam by suspending from pre-mounted fixing rails with clamping claws. Suitable for all steel beams with a flange width of 100 mm to 300 mm and a flange thickness of 6 mm to 21 mm.

Consisting of:

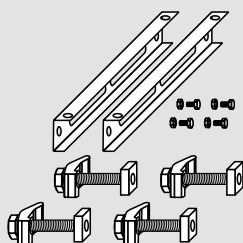
Mounting rail, 2 support rails, 4 clamping claws, nuts and bolts (only in conjunction with fixing brackets)

Zinc-plated sheet steel

unit size 25
unit size 40

6500783
6500784

190.00 L50
190.00 L50

**FIXING KIT FOR STEEL BEAM, HORIZONTAL AND INCLINED WITHOUT INCLINATION COMPENSATION**

For fixing to a horizontal or inclined steel beam with a flange width of 100 mm to 300 mm and a flange thickness of 6 mm to 21 mm.

Consisting of:

2 support rails, 4 clamping claws, nuts and bolts (only in conjunction with fixing brackets)

Zinc-plated sheet steel

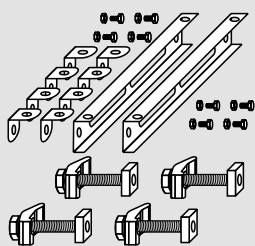
unit size 25
unit size 40

6500785
6500786

180.00 L50
180.00 L50

Attention: Before using the fixing kits, check and factor in the static regulations of the on-site concrete pillars or steel beams. Installation only with standard units with an overall depth of 300 mm.

WOLF DEVICE FASTENINGS



FIXING KIT FOR STEEL BEAM, INCLINED WITH INCLINATION COMPENSATION

For fixing to a steel beam with a flange width of 100 mm to 300 mm and a flange thickness of 6 mm to 21 mm.

Consisting of:

2 support rails, 4 clamping claws, 4 self-aligning brackets, nuts and bolts (only in conjunction with fixing brackets)

Zinc-plated sheet steel

for product

Art. no.

€

DG

unit size 25

6500787

205.00

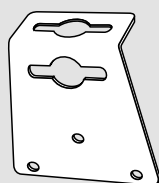
L50

unit size 40

6500788

205.00

L50



SUSPENSION TAB FOR APPLIANCE MOUNTING

Powder-coated, colour: traffic white RAL 9016

Suitable for installation with threaded rods or perforated strip for configurations with horizontal air routing.

1 Set = 4 items

6500038

38.80

L50



MOUNTING BRACKET FOR INTAKE ACCESSORIES, LOOSE

For installing the appliance on the wall or ceiling with fitted mixed air box, recirculation air box, outdoor air box or filter box. Powder-coated, colour: traffic white RAL 9016.

4 mounting brackets are required for fastening. These are included with the corresponding intake accessories.

(Sealing against the wall/ceiling on site).

1 pce

6500325

9.40

L50

4-pce set

6523054

38.60

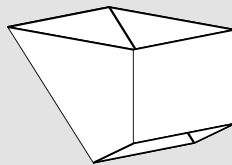
L50



DISCHARGE CONE

For increasing the throw when the unit is installed at height.
Powder-coated, colour: traffic white RAL 9016.

for product	Art. no.	€	DG
unit size 25	6500333	126.00	L50
unit size 40	6500403	148.00	L50
unit size 63	6500406	159.00	L50
unit size 100	6500409	232.00	L50



DISCHARGE NOZZLE

For a large throw, suitable as air curtain at doors.
Discharge temperature for air curtain approx. 10 - 15 °C above room temperature.
Powder-coated, colour: traffic white RAL 9016.

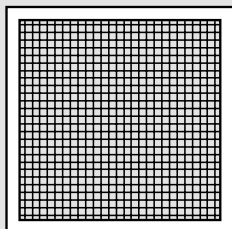
unit size 25	6500412	153.00	L50
unit size 40	6500424	174.00	L50
unit size 63	6500436	221.00	L50
unit size 100	6500448	286.00	L50



FOUR-WAY DISCHARGE

With adjustable air guide fins, suitable for heating low rooms with steady air distribution to all four sides.
Powder-coated, colour: traffic white RAL 9016.
Fins in "WOLF silver", similar to RAL 9006.

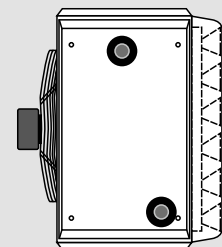
unit size 25	6500460	190.00	L50
unit size 40	6500465	215.00	L50
unit size 63	6500467	249.00	L50
unit size 100	6500469	279.00	L50



WIDE SPREAD DISCHARGE

For greater lateral spread of the warm air stream.
Air jet cone up to approx. 120°; horizontal and vertical fins individually adjustable.
Powder-coated, colour: "WOLF silver", similar to RAL 9006.

unit size 25	2565020	134.00	L50
unit size 40	2565120	165.00	L50
unit size 63	2565220	238.00	L50
unit size 100	2565320	309.00	L50



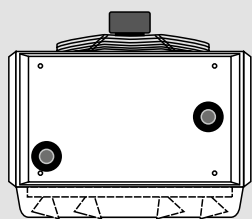
INDUCTION LOUVRE FOR WALL MOUNTED UNIT

With secondary air cone in traffic white RAL 9016

Manual setting	unit size 25	6500477	333.00	L50
	unit size 40	6500489	387.00	L50
	unit size 63	6500506	444.00	L50
	unit size 100	6500517	498.00	L50
With 230V~ electric servomotor fitted	unit size 25	6500479	530.00	L50
	unit size 40	6500491	590.00	L50
	unit size 63	6500508	640.00	L50
	unit size 100	6500519	680.00	L50
With 24V~ electric servomotor fitted	unit size 25	6500618	530.00	L50
	unit size 40	6500619	590.00	L50
	unit size 63	6500620	640.00	L50
	unit size 100	6500621	680.00	L50

WOLF

BLOW OUT ACCESSORIES



INDUCTION LOUVRE FOR CEILING UNIT

With secondary air cone in traffic white RAL 9016

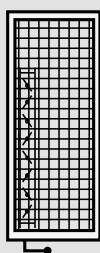
	for product	Art. no.	€	DG
Manual setting	unit size 25	6500478	481.00	L50
	unit size 40	6500490	540.00	L50
	unit size 63	6500507	630.00	L50
	unit size 100	6500518	735.00	L50
With 230V~ electric servomotor fitted	unit size 25	6500480	675.00	L50
	unit size 40	6500492	745.00	L50
	unit size 63	6500509	835.00	L50
	unit size 100	6500520	945.00	L50
With 24V~ electric servomotor fitted	unit size 25	6500622	675.00	L50
	unit size 40	6500623	745.00	L50
	unit size 63	6500624	830.00	L50
	unit size 100	6500625	945.00	L50

for product

Art. no.

€

DG



MIXING BOX/THERMALLY INSULATED MIXING BOX

Mixed air box in thermally insulated version to prevent the formation of condensate. For individual adjustment of the outdoor air flow rate. Outdoor air intake at the back, recirculation air intake at the side or, when mixed air box is rotated by 90°, from above/below. Variable manual adjustment between pure recirculation air mode via mixed air to pure outdoor air mode. Powder-coated, colour: traffic white RAL 9016. Mounting bracket as standard.

Without thermal insulation

unit size 25 - 100

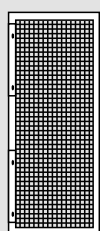
on request

With thermal insulation

unit size 25 - 100

on request

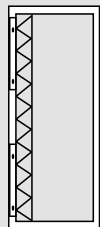
Note: If used in outdoor air mode, unit heaters are covered by the scope of application of EU Regulation 1253/2014.



RECIRCULATION AIR BOX WITH LATERAL INTAKE

For recirculation air intake through two grilles at the side or, when rotated by 90°, intake from top and bottom. Powder-coated, colour: traffic white RAL 9016. Mounting bracket as standard.

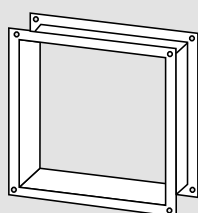
unit size 25	6500331	211.00	L50
unit size 40	6500389	249.00	L50
unit size 63	6500393	293.00	L50
unit size 100	6500397	347.00	L50



FILTER BOX

With filter element as dust trap in outdoor air and mixed air modes, filter category ISO Coarse 45 % (G4). Mounting bracket on request. Powder-coated, colour: traffic white RAL 9016.

unit size 25	6500549	342.00	L50
unit size 40	6500554	470.00	L50
unit size 63	6500559	520.00	L50
unit size 100	6500564	635.00	L50



CANVAS SOCKETS, 4-HOLE PROFILE FRAME

unit size 25	2525025	56.00	L50
unit size 40	2525040	87.00	L50
unit size 63	2525063	118.00	L50
unit size 100	2525100	130.00	L50

Note: In combination with LH-ATEX, an earth strap is required for equipotential bonding (part no. 2765450).

WOLF

SWITCHING DEVICES



VARIABLE SPEED CONTROLLER
For variable operation of one or more units with EC motor [0 - 10 V]

for product

Art. no.

€

DG

TLH-EC, TLHK-EC
TLHD-EC, TLHD-K-EC
LH-EC

2745100

231.00

L50



1-STAGE SWITCH D1-2
Full motor protection switch [8 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2745465

173.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.
Full motor protection provided by thermistor in connection with thermistor triggering unit for control panel installation.



2-STAGE SWITCH DS-2
Full motor protection switch [8 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2745467

291.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.
Full motor protection provided by thermistor in connection with thermistor triggering unit for control panel installation.



3-STAGE SWITCH D3-4T
Full motor protection switch [4 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2701065

442.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.



5-STAGE SWITCH D5...
Full motor protection switch with lock preventing unintentional restart

D5-1-2 [1 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2748015

442.00

L50

D5-3T [2 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740010

495.00

L50

D5-7T [4 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740013

610.00

L50

D5-12T [7 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740014

715.00

L50

D5-19T [12 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740017

1140.00

L54

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.



3-STAGE SWITCH E 3-7T-2
Full motor protection switch [7 A, 230 V] with lock preventing unintentional restart

LH, TLH

2748011

361.00

L50



5-STAGE SWITCH E5-7T-2
Full motor protection switch [7 A, 230 V] with lock preventing unintentional restart

LH, TLH

2748013

483.00

L50

WOLF
SWITCHING DEVICES



	for product	Art. no.	€	DG
OMNIPOLAR REPAIR SWITCH AR8 Loose	TLH-EC, TLH	2738379	62.00	L54

WOLF
SERVOMOTORS

A1 AUTOMATIC RELAY
For servomotor open/close (3.15 A, 230 V)

for product

Art. no.

€

DG

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

7965020

103.00

L50



A1S AUTOMATIC RELAY
For servomotor, variable speed with built-in position indicator (0 to 100 %)
(3.15 A, 230 V)

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC, TLHD,
TLHD-K

7940101

232.00

L50

**POSITION INDICATOR**

For installation on the control panel front for variable speed servomotor activation in conjunction with automatic relay A1

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2744360

93.00

L50

For surface mounting for variable speed servomotor activation in conjunction with automatic relay A1

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2744389

134.00

L50



24 V VARIABLE SPEED SERVOMOTOR FOR MIXED AIR DAMPER
In conjunction with LM2 ventilation module

LH-EC, LH, TLH-EC, TLH

2269521

358.00

L50



24 V SERVOMOTOR FOR OPENING / CLOSING THE OUTDOOR AIR DAMPER

LH-EC, LH, TLH-EC, TLH

2269556

260.00

L50



230 V / 50 HZ SERVOMOTOR FOR OPENING / CLOSING THE DAMPER

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2269523

336.00

L50



ACTUATOR, 230 V / 50 HZ, STEPLESS FOR MIXED AIR DAMPER

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2269522

352.00

L50



BUTTON FOR SERVOMOTOR (230 V / 50 HZ)
For induction louvre

LH-EC, LH, TLH-EC, TLH,
TLHK-EC, TLHK

2701063

103.00

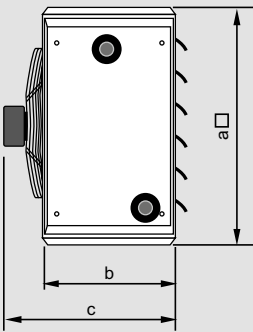
L50

WOLF

THERMOSTATS / TERMINAL BOX

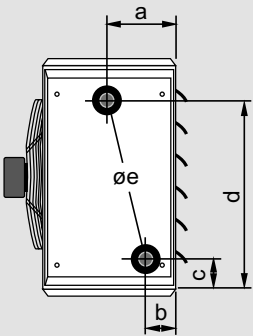
	for product	Art. no.	€	DG
	ROOM THERMOSTAT	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2734000	53.00 L50
	ROOM THERMOSTAT WITH SUMMER/WINTER SWITCH	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2734700	92.00 L50
	ROOM THERMOSTAT CLOCK WITH WEEKLY PROGRAMME	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2744079	254.00 L50
	REMOTE SENSOR FOR ROOM THERMOSTAT CLOCK	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2744051	40.50 L50
	ROOM THERMOSTAT, INDUSTRIAL VERSION	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2735300	103.00 L50
	FROST PROTECTION THERMOSTAT ATTACHED	LH-EC/LH 25, 40, 63; TLH-EC/TLH 25, 40, 63; TLHK-EC/TLHK 25, 40, 63	2730050	191.00 L50
		LH-EC/LH 100, TLH-EC/TLH 100, TLHK-EC/TLHK 100	2730150	196.00 L50
	UNIVERSAL TIMER WITH 7-DAY PROGRAM	LH-EC, TLH-EC, TLHD-EC, TLHD-K-EC, CFL-EC-ZUL, CFL-EC-ABL	2746081	174.00 L50
	GROUND STRAP FOR POTENTIAL EQUALISATION	LH-EC, LH, LH-ATEX, TLH-EC, TLH, TLHK-EC, TLHK	2765450	6.00 L50
	INTERMEDIATE TERMINAL BOX FOR PARALLEL OPERATION OF UP TO 3 AIR HEATERS	LH, LH-ATEX, TLH	7965043	168.00 L50
	Note: In combination with LH-ATEX, mounting only outside the explosion risk area.			

WOLF BASIC UNIT



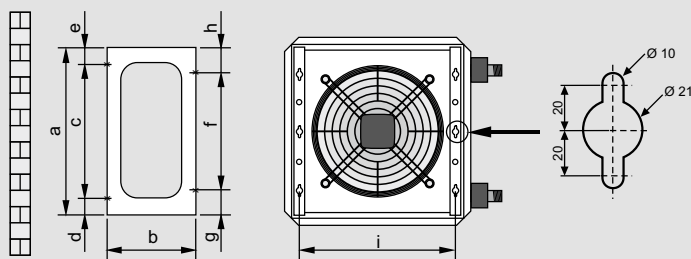
STANDARD UNIT DIMENSIONS

Type	Unit size	25	40	63	100
a	mm	540	670	840	1040
b	mm	300	300	300	340
c	mm	410	415	420	485



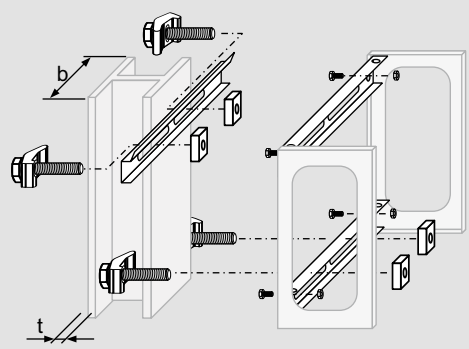
STANDARD UNIT CONNECTIONS

Type	Unit size	25-1	25 -2/-3/-4	40-1	40 -2/-3/-4	63-1	63 -2/-3/-4	100-1	100 -2/-3/-4
a	mm	98	158	98	143	103	143	124	179
b	mm	68	68	68	83	63	83	84	89
c	mm	92	95	96	100	95	98	115	109
d	mm	445	445	574	570	746	742	926	932
øe		3/4"	1"	3/4"	1"	1"	1 1/4"	1"	1 1/2"



FIXING BRACKETS

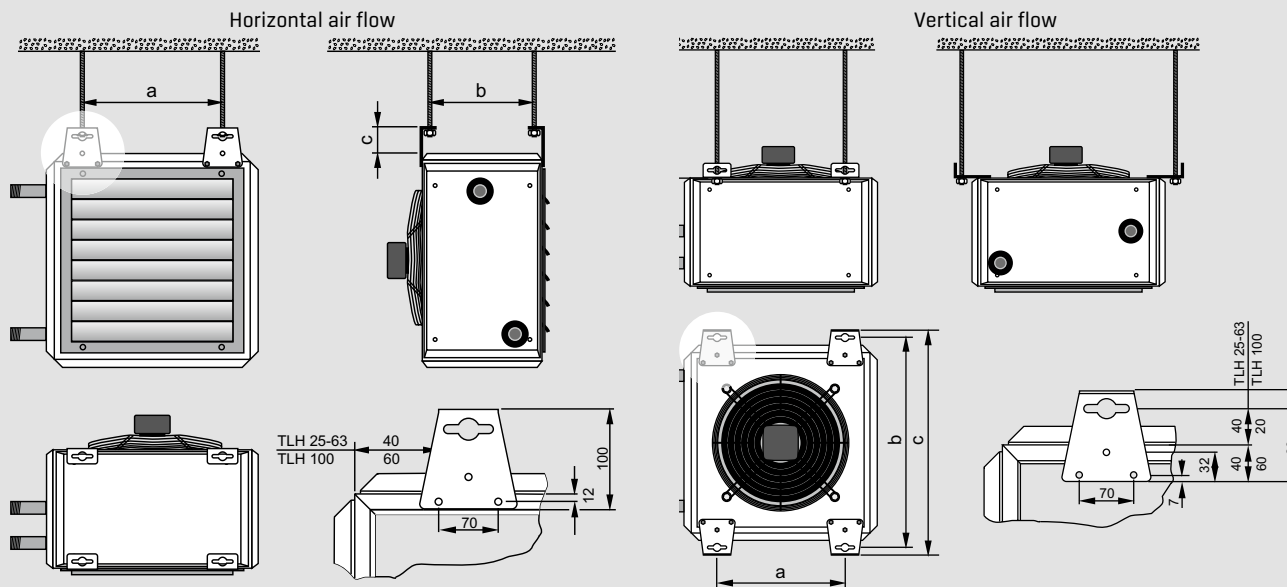
Type	Unit size	25	40	63	100
a	mm	480	480	784	784
b	mm	250	250	350	350
c	mm	380	2x170	170+340+170	170+340+170
d	mm	70	90	72	72
e	mm	30	50	32	32
f	mm	170	2x170	3x170	3x170
g	mm	155	70	137	137
h	mm	155	70	137	137
i	mm	434	564	734	894



FIXING KIT FOR STEEL BEAM, VERTICAL

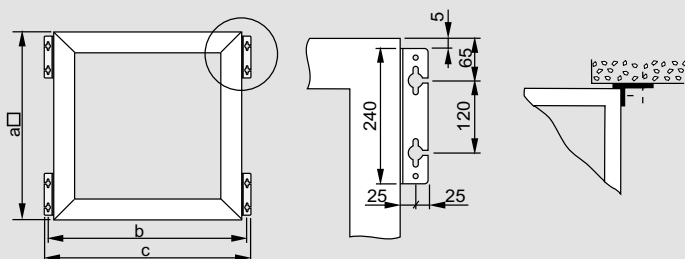
b	mm	100-300
t	mm	6-21

WOLF ACCESSORIES



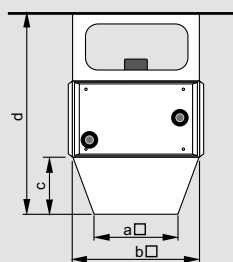
SUSPENSION TAB FOR APPLIANCE MOUNTING

Type	Unit size	25	40	63	100
horizontal					
a	mm	350	480	650	810
b	mm	266	266	266	306
c	mm	60	60	60	60
vertical					
a	mm	270	440	610	780
b	mm	580	710	880	1040
c	mm	620	750	920	1080
d _{min}	mm	250	250	350	350



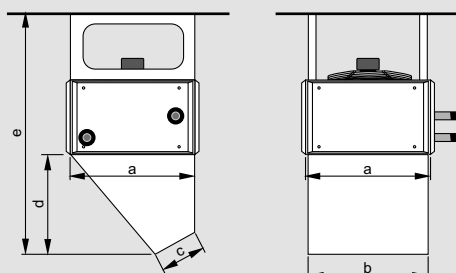
MOUNTING BRACKET FOR INTAKE ACCESSORIES, LOOSE

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	550	680	850	1050
c	mm	600	730	900	1100



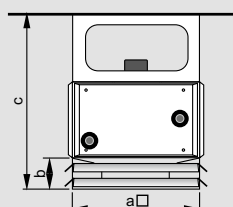
DISCHARGE CONE

Type	Unit size	25	40	63	100
a	mm	280	370	430	530
b	mm	460	590	760	920
c	mm	200	240	270	320
d	mm	750	790	920	1010



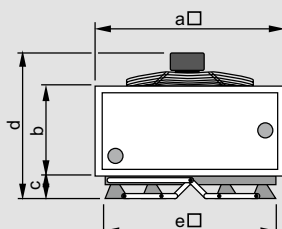
DISCHARGE NOZZLE

Type	Unit size	25	40	63	100
a	mm	460	590	760	920
b	mm	420	550	720	880
c	mm	190	250	260	320
d	mm	390	480	585	685
e	mm	940	1030	1235	1375



FOUR-WAY DISCHARGE

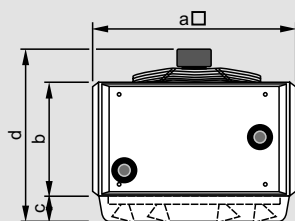
Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	155	155	155	155
c	mm	705	705	805	845



INDUCTION LOUVRE FOR WALL MOUNTED UNIT

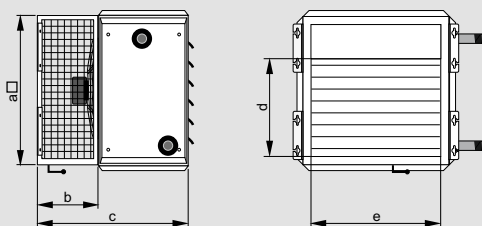
Type	Unit size	25	40	63	100
a	mm	540	670	840	1040
b	mm	300	300	300	340
c	mm	120	120	120	120
d	mm	530	535	540	605

WOLF ACCESSORIES



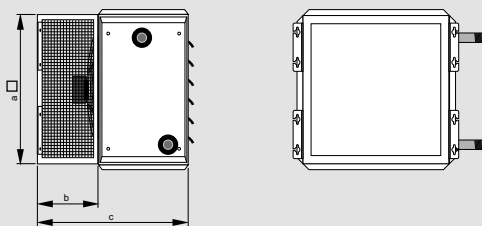
INDUCTION LOUVRE FOR CEILING UNIT

Type	Unit size	25	40	63	100
a	mm	540	670	840	1040
b	mm	300	300	300	340
c	mm	120	120	120	120
d	mm	530	535	540	605



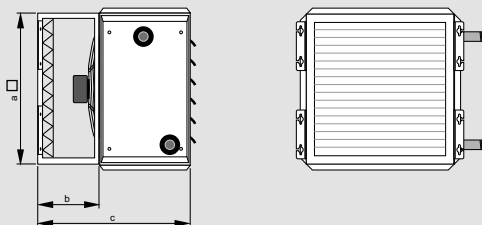
MIXING BOX/THERMALLY INSULATED MIXING BOX

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	500	500	500	540
c	mm	800	800	800	880
d	mm	245	360	530	690
e	mm	400	530	700	860



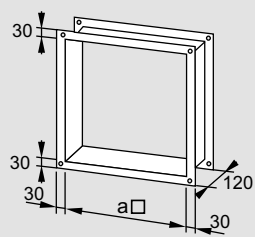
RECIRCULATION AIR BOX WITH LATERAL INTAKE

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	500	500	540
c	mm	600	800	800	880



FILTER BOX

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	300	300	340
c	mm	600	600	600	680



CANVAS SOCKETS, 4-HOLE PROFILE FRAME

Type	Unit size	25	40	63	100
a	mm	400	530	700	860



TOPWING TLHK-EC UNIT HEATER FOR HEATING OR COOLING WITH EC FAN

DG | L50

Unit heater for heating or cooling in recirculation air mode or mixed air mode for wall mounting.

Induction louvre with secondary air cone

Casing: traffic white RAL 9016

Free condensate drain

Full motor protection with integral temperature monitoring

Energy saving EC fans (1 x 230 V)

EC-motor 230V / 50Hz

25

40

63

100

Heat exchanger: copper-aluminium LPHW / chw

Induction louvre with servomotor 230V / 50Hz For control via pushbutton	Art. no.	6523866	6523869	6523872	6523917
	€	2280.00	2915.00	3725.00	4140.00
Induction louvre with servomotor 24V can be controlled via LM2 ventilation control unit	Art. no.	6523867	6523870	6523873	6523918
	€	2280.00	2915.00	3725.00	4140.00
Manually adjustable induction louvre	Art. no.	6523865	6523868	6523871	6523916
	€	2100.00	2720.00	3530.00	3955.00

RAL and special colours by request.



TOPWING TLHK UNIT HEATER FOR HEATING OR COOLING

DG | L50

Unit heater for heating or cooling in recirculation air mode or mixed air mode for wall mounting.

Induction louvre with secondary air cone

Casing: traffic white RAL 9016

Free condensate drain

Full motor protection with built-in thermal contacts

Single phase AC motor 230V / 50Hz

25

40

63

Heat exchanger: copper-aluminium LPHW / chw

Induction louvre with servomotor 230V / 50Hz For control via pushbutton	Art. no.	6523391	6523395	6523679
	€	2070.00	2565.00	3090.00
Induction louvre with servomotor 24V can be controlled via LM2 ventilation control unit	Art. no.	6523393	6523397	6523680
	€	2070.00	2565.00	3090.00
Manually adjustable induction louvre	Art. no.	6523375	6523377	6523678
	€	1895.00	2370.00	2900.00

Three-phase motor 3 x 400V / 50Hz

25

40

63

100

Heat exchanger: copper-aluminium LPHW / chw

Induction louvre with servomotor 230V / 50Hz For control via pushbutton	Art. no.	6523654	6523655	6523656	6523657
	€	1945.00	2425.00	2960.00	3185.00
Induction louvre with servomotor 24V can be controlled via LM2 ventilation control unit	Art. no.	6523658	6523659	6523660	6523661
	€	1945.00	2425.00	2960.00	3185.00
Manually adjustable induction louvre	Art. no.	6523650	6523651	6523652	6523653
	€	1760.00	2230.00	2775.00	3000.00

RAL and special colours by request.

WOLF

WRS CONTROL SYSTEMS



BML VENTILATION PROGRAMMING UNIT

- Room temperature-compensated temperature control
- Graphic display with backlight
- Simple menu navigation through plain text display
- Operation using rotary knob with push-function
- 4 function keys for frequently used functions (information, temperature, speed setting, fresh air proportion)
- Mounted optionally in the ventilation module or in the wall holder as remote control
- Only one ventilation operating module BML is needed to operate up to 7 zones
- Demand-optimised boiler water temperature demand via eBus
- eBus interface

Art. no.	€	DG
2744634	425.00	L50



WALL MOUNTING BASE

Wall mounting base for using the BML programming unit as a remote control

2744275	32.40	H41
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LM1 VENTILATION MODULE

(incl. room temperature sensor)

- Ventilation module for controlling unit heaters with two-stage motor
- Simple configuration of the controller by selecting predefined system diagrams
- Demand-optimised room temperature control via the rotary speed of the unit heater
- Operation of the heating circuit pump
- Operation of the heat generator
- Demand-optimised boiler water temperature demand via eBus
- eBus interface with automatic energy management
- Ventilation operating module BML can be clipped on

2744603	456.00	L50
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Note: Not in conjunction with EC motor.







LM2 VENTILATION MODULE

- Ventilation module LM2 for controlling the room temperature by means of the rotation speed or the mixer control
- 2-stage motor control in connection with ventilation module LM1 or variable speed control via EC-motor
- Simple configuration of the controller by selecting predefined system diagrams
- Operation of the heat or cooling generator
- Demand-optimised boiler water temperature demand via eBus
- eBus interface with automatic energy management
- Ventilation operating module BML can be clipped on
- Mixed air flap control (in combination with 24 V~ electric servomotor)
- Induction louvre control

2744604	456.00	L50
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WOLF

CONTROL ACCESSORIES

		Art. no.	€	DG
	OUTSIDE, CEILING OR ROOM TEMPERATURE SENSOR	LH-EC, LH, TLH-EC, TLH, TLHK-EC, TLHK, LHD, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2792021	34.30 H41
	BUTTON FOR SERVOMOTOR (230 V / 50 HZ) For induction louvre	LH-EC, LH, TLH-EC, TLH, TLHK-EC, TLHK	2701063	103.00 L50
	FROST PROTECTION THERMOSTAT ATTACHED			
		LH-EC/LH 25, 40, 63; TLH-EC/TLH 25, 40, 63; TLHK-EC/TLHK 25, 40, 63	2730050	191.00 L50
	DIFFERENTIAL PRESSURE SWITCH For filter monitoring			
	Loose	LH-EC, LH, TLH-EC, TLH, TLHK-EC, TLHK, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2744030	130.00 L50
	Fitted	LH-EC, LH, TLH-EC, TLH, TLHK-EC, TLHK, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	6523043	238.00 L50
	GROUND STRAP FOR POTENTIAL EQUALISATION	LH-EC, LH, LH-ATEX, TLH-EC, TLH, TLHK-EC, TLHK	2765450	6.00 L50
	5-STAGE SWITCH Electronic 5-stage speed controller, input 0 - 10 V			
	[2 A, 400 V]	LH, TLH, TLHK, TLHD, TLHD-K	2744840	1110.00 L50
	[4 A, 400 V]	LH, TLH, TLHK, TLHD, TLHD-K	2744841	1110.00 L50
	[6 A, 230 V]	LH, TLH, TLHK, TLHD, TLHD-K	2745066	785.00 L50
	TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE Can be used as a cylinder, boiler, central unit and supply air temperature sensor		8852829	62.00 H41
	SENSOR HOLDER For supply air sensor	Supply air sensor (NTC 5K)	2792029	28.70 L50

Note: Not in conjunction with EC motor.

WOLF

CONNECTING ACCESSORIES



SHUT-OFF SETS FOR HEAT EXCHANGER FOR FLOW AND RETURN

Consisting of:

1" threaded connection for connecting to flow and return with flat gasket, automatic air vent valve, drain and fill valve, ball valves with 1" female thread in flow and return, 3/4" male thread connection option [e. g. for the thermometer] in flow and return, suitable for heating water temperatures up to max. 110 °C and operating pressure up to max. 10 bar.



Straight-through version
Right angle version

for product

Art. no.

€

DG

TLHK-EC/TLHK 25, 40
TLHK-EC/TLHK 25, 40

2008030
2008040

126.00 L50
134.00 L50



FLANGE SET

Consisting of 2 threaded flanges, 2 welded flanges and 2 flat gaskets, plus hexagonal bolts and hexagonal nuts

DN25, R 1"
DN32, R 1 1/4"
DN40, R 1 1/2"

TLHK 25, 40
TLHK 63
TLHK 100

2070202
2070203
2070204

88.00 L50
123.00 L50
136.00 L50



HYDRONIC BALANCING VALVE

DN20, 4 - 15 l/min
DN20, 8 - 30 l/min
DN25, 6 - 20 l/min
DN 25, 10 - 40 l/min
DN 32, 20 - 70 l/min
DN 40, 30 - 120 l/min

2070931
2070932
2070933
2070934
2070935
2070936

254.00 L50
254.00 L50
264.00 L50
264.00 L50
326.00 L50
430.00 L50



CONDENSATE PUMP WITH POTENTIAL-FREE, FULLY WIRED ALARM OUTPUT

Consisting of:

Condensate pump with floating alarm output, condensate tank with lid and wall retainer, PVC hose 10 mm (6 m long), non-return valve, condensate inlet adaptor

TLHK-EC, TLHK,
CWL Excellent, CWL-2,
CWL-F/T-
Excellent, COB-2,
TOB, TGB-2

2071268

265.00 H40



DRAIN OUTLET R1
With trap and pipe collar
Transparent plastic

TLHK-EC, TLHK, TLHD-EC,
TLHD-K-EC, TLHD, TLHD-K

2011005

25.10 L50

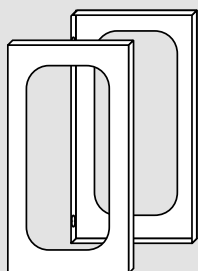
WOLF
DEVICE FASTENINGS

for product

Art. no.

€

DG

**FIXING BRACKETS**

For installation on the wall or ceiling, made from 2 mm folded sheet steel, powder-coated, colour: traffic white RAL 9016.

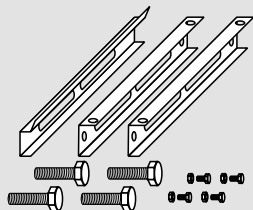
Consisting of:

- 2 brackets
- Hexagon bolts for installing on appliance

unit size 25, 40
unit size 63, 100

6500494
6500497

62.00 L50
73.00 L50

**FIXING KIT FOR CONCRETE LINTEL, VERTICAL**

For fixing to a concrete beam by suspending from pre-mounted fixing rails.

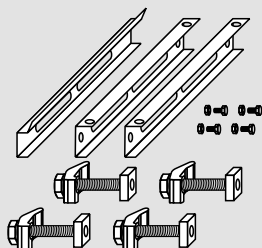
Consisting of:

Mounting rail, 2 support rails, nuts and bolts
(only in conjunction with fixing brackets)
Zinc-plated sheet steel

unit size 25
unit size 40

6500781
6500782

96.00 L50
96.00 L50

**FIXING KIT FOR STEEL BEAM, VERTICAL**

For fixing to a steel beam by suspending from pre-mounted fixing rails with clamping claws. Suitable for all steel beams with a flange width of 100 mm to 300 mm and a flange thickness of 6 mm to 21 mm.

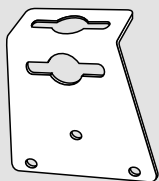
Consisting of:

Mounting rail, 2 support rails, 4 clamping claws, nuts and bolts (only in conjunction with fixing brackets)
Zinc-plated sheet steel

unit size 25
unit size 40

6500783
6500784

190.00 L50
190.00 L50

**SUSPENSION TAB FOR APPLIANCE MOUNTING**

Powder-coated, colour: traffic white RAL 9016
Suitable for installation with threaded rods or perforated strip for configurations with horizontal air routing.
1 Set = 4 items

6500038

38.80 L50

**MOUNTING BRACKET FOR INTAKE ACCESSORIES, LOOSE**

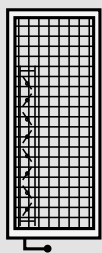
For installing the appliance on the wall or ceiling with fitted mixed air box, recirculation air box, outdoor air box or filter box. Powder-coated, colour: traffic white RAL 9016.
4 mounting brackets are required for fastening. These are included with the corresponding intake accessories.
[Sealing against the wall/ceiling on site].

1 pce
4-pce set

6500325
6523054

9.40 L50
38.60 L50

WOLF INTAKE ACCESSORIES



MIXING BOX/THERMALLY INSULATED MIXING BOX

Mixed air box in thermally insulated version to prevent the formation of condensate. For individual adjustment of the outdoor air flow rate. Outdoor air intake at the back, recirculation air intake at the side or, when mixed air box is rotated by 90°, from above/below. Variable manual adjustment between pure recirculation air mode via mixed air to pure outdoor air mode. Powder-coated, colour: traffic white RAL 9016. Mounting bracket as standard.

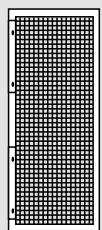
Without thermal insulation

unit size 25	on request
unit size 40	on request
unit size 63	on request

With thermal insulation

unit size 25	on request
unit size 40	on request
unit size 63	on request
unit size 100	on request

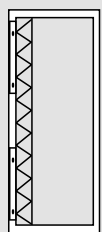
Note: If used in outdoor air mode, unit heaters are covered by the scope of application of EU Regulation 1253/2014.



RECIRCULATION AIR BOX WITH LATERAL INTAKE

For recirculation air intake through two grilles at the side or, when rotated by 90°, intake from top and bottom. Powder-coated, colour: traffic white RAL 9016. Mounting bracket as standard.

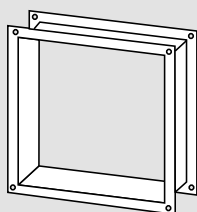
unit size 25	6500331	211.00	L50
unit size 40	6500389	249.00	L50
unit size 63	6500393	293.00	L50
unit size 100	6500397	347.00	L50



FILTER BOX

With filter element as dust trap in outdoor air and mixed air modes, filter category ISO Coarse 45 % (G4). Mounting bracket on request. Powder-coated, colour: traffic white RAL 9016.

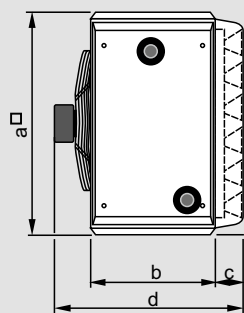
unit size 25	6500549	342.00	L50
unit size 40	6500554	470.00	L50
unit size 63	6500559	520.00	L50
unit size 100	6500564	635.00	L50



CANVAS SOCKETS, 4-HOLE PROFILE FRAME

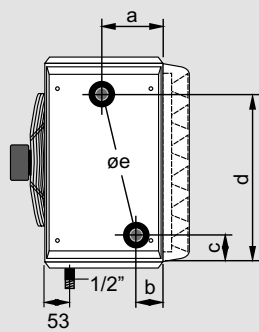
unit size 25	2525025	56.00	L50
unit size 40	2525040	87.00	L50
unit size 63	2525063	118.00	L50
unit size 100	2525100	130.00	L50

Note: In combination with LH-ATEX, an earth strap is required for equipotential bonding (part no. 2765450).



STANDARD UNIT DIMENSIONS

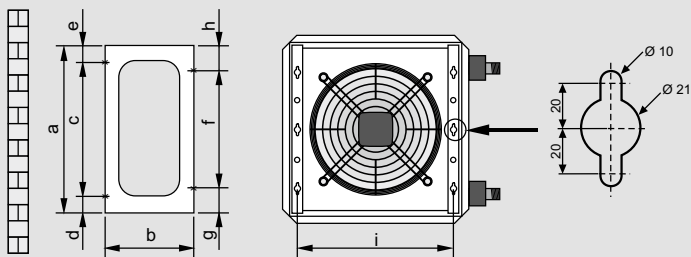
Type	Unit size	25	40	63	100
a	mm	540	670	840	1040
b	mm	300	300	300	340
c	mm	120	120	120	120
d	mm	530	535	540	605



STANDARD UNIT CONNECTIONS

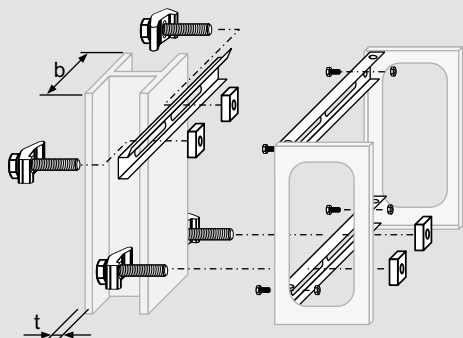
Type	Unit size	25	40	63	100
a	mm	158	143	143	179
b	mm	68	83	83	89
c	mm	94	99	99	109
d	mm	445	570	743	932
Øe		1"	1"	1 1/4"	1 1/2"

WOLF ACCESSORIES



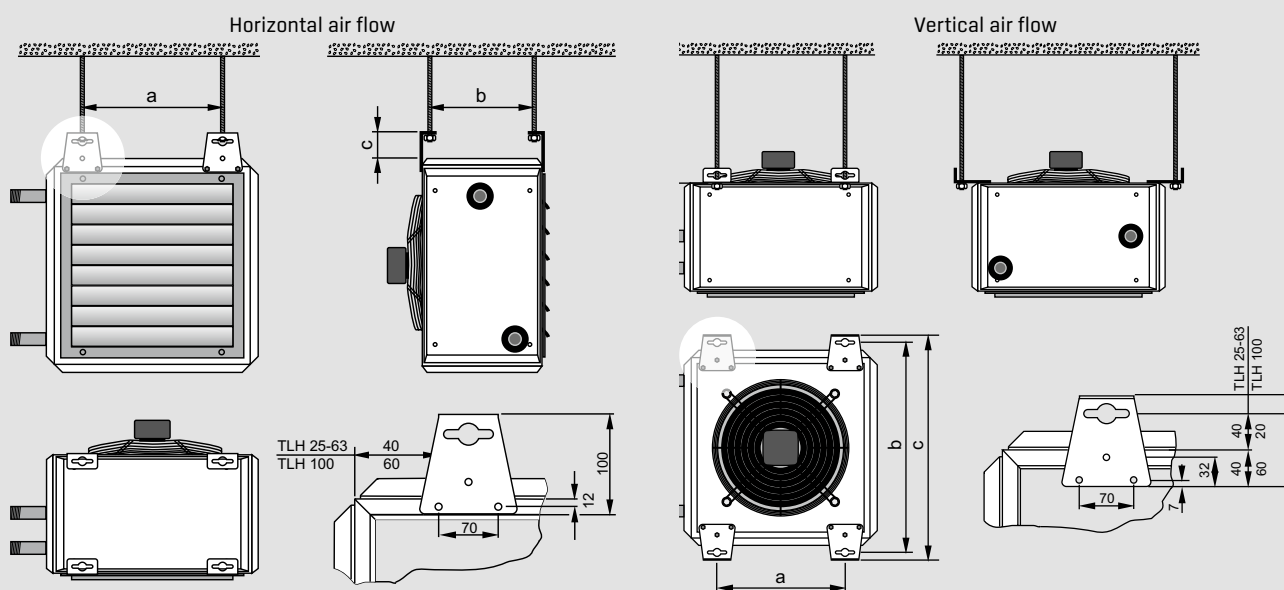
FIXING BRACKETS

Type	Unit size	25	40	63	100
a	mm	480	480	784	784
b	mm	250	250	350	350
c	mm	380	2x170	170+340+170	170+340+170
d	mm	70	90	72	72
e	mm	30	50	32	32
f	mm	170	2x170	3x170	3x170
g	mm	155	70	137	137
h	mm	155	70	137	137
i	mm	434	564	734	894



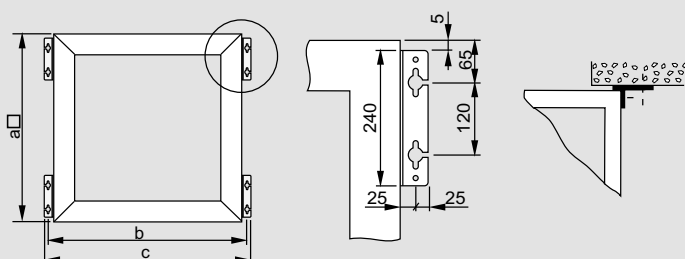
FIXING KIT FOR STEEL BEAM, VERTICAL

b	mm	100-300
t	mm	6-21



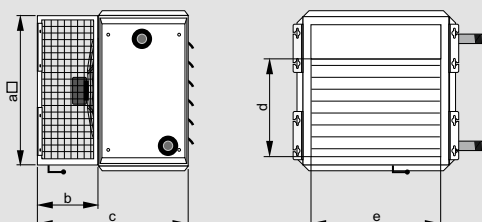
SUSPENSION TAB FOR APPLIANCE MOUNTING

Type	Unit size	25	40	63	100
horizontal					
a	mm	350	480	650	810
b	mm	266	266	266	306
c	mm	60	60	60	60
vertical					
a	mm	270	440	610	780
b	mm	580	710	880	1040
c	mm	620	750	920	1080
d _{min}	mm	250	250	350	350



MOUNTING BRACKET FOR INTAKE ACCESSORIES, LOOSE

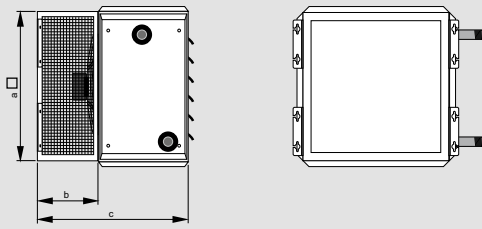
Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	550	680	850	1050
c	mm	600	730	900	1100



MIXING BOX/THERMALLY INSULATED MIXING BOX

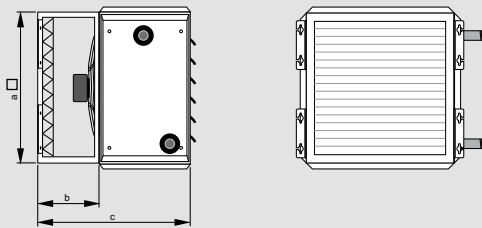
Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	500	500	500	540
c	mm	800	800	800	880
d	mm	245	360	530	690
e	mm	400	530	700	860

WOLF ACCESSORIES



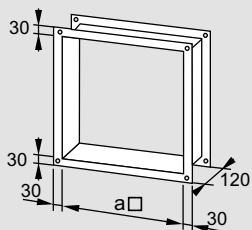
RECIRCULATION AIR BOX WITH LATERAL INTAKE

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	500	500	540
c	mm	600	800	800	880



FILTER BOX

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	300	300	340
c	mm	600	600	600	680



CANVAS SOCKETS, 4-HOLE PROFILE FRAME

Type	Unit size	25	40	63	100
a	mm	400	530	700	860



TOPWING TLHD-EC UNIT HEATER FOR HEATING WITH EC FAN

DG | L50

Unit heater for heating; mounting on the ceiling for recirculation air mode or on an intermediate ceiling for recirculation air or mixed air mode.

Colour: traffic white RAL 9016

Full motor protection with integral temperature monitoring

Energy saving EC fans (1 x 230 V)

Standard units for mixed air mode with additional thermal insulation to prevent the formation of condensate on the unit

Mixed air operation*

40

63

Heat exchanger: copper-aluminium LPHW

Heating [230V]	Art. no.	6523783	6523785
	€	2355.00	3255.00

Return air operation

40

63

Heat exchanger: copper-aluminium LPHW

Heating [230V]	Art. no.	6523782	6523784
	€	2275.00	3190.00

* Mixing temperature before the heat exchanger min. +5 °C..



TOPWING TLHD-K-EC

UNIT HEATER FOR HEATING OR COOLING WITH EC FAN

DG | L50

Unit heater for heating or cooling; mounting on the ceiling for recirculation air mode or on an intermediate ceiling for recirculation air or mixed air mode.

Colour: traffic white RAL 9016

Full motor protection with integral temperature monitoring

Energy saving EC fans (1 x 230 V)

Standard units for mixed air mode with integral condensate pump and additional thermal insulation to prevent the formation of condensate on the unit

Standard units for recirculation air mode with integral condensate pump

Mixed air operation*

40

63

Heat exchanger: copper-aluminium LPHW / chw

	Art. no.	6523787	6523789
Heating / Cooling [230V]	€	3060.00	3945.00

Return air operation

40

63

Heat exchanger: copper-aluminium LPHW / chw

	Art. no.	6523786	6523788
Heating / Cooling [230V]	€	3015.00	3885.00

* Mixing temperature before the heat exchanger min. +5 °C.



TOPWING TLHD UNIT HEATER FOR HEATING

DG | L50

Unit heater for heating; mounting on the ceiling for recirculation air mode or on an intermediate ceiling for recirculation air or mixed air mode.

Standard units for mixed air mode with additional thermal insulation to prevent the formation of condensate on the unit

Colour: traffic white RAL 9016

Full motor protection with built-in thermal contacts

Mixed air operation*

40

63

Heat exchanger: copper-aluminium LPHW

Heating [400V]	Art. no.	6523076	6523084
	€	2045.00	2500.00

Return air operation

40

63

Heat exchanger: copper-aluminium LPHW

Heating [400V]	Art. no.	6523074	6523082
	€	1905.00	2375.00

* Mixing temperature before the heat exchanger min. +5 °C.



TOPWING TLHD-K UNIT HEATER FOR HEATING OR COOLING

DG | L50

Unit heater for heating or cooling; mounting on the ceiling for recirculation air mode or on an intermediate ceiling for recirculation air or mixed air mode.

Colour: traffic white RAL 9016

Full motor protection with built-in thermal contacts

Standard units for mixed air mode with integral condensate pump and additional thermal insulation to prevent the formation of condensate on the unit

Standard units for recirculation air mode with integral condensate pump

Mixed air operation*

40

63

Heat exchanger: copper-aluminium LPHW / chw

	Art. no.	6523080	6523088
Heating / Cooling [400V]	€	2935.00	3455.00

Return air operation

40

63

Heat exchanger: copper-aluminium LPHW / chw

	Art. no.	6523078	6523086
Heating / Cooling [400V]	€	2780.00	3305.00

* Mixing temperature before the heat exchanger min. +5 °C.

WOLF

WRS CONTROL SYSTEMS



BML VENTILATION PROGRAMMING UNIT

- Room temperature-compensated temperature control
- Graphic display with backlight
- Simple menu navigation through plain text display
- Operation using rotary knob with push-function
- 4 function keys for frequently used functions (information, temperature, speed setting, fresh air proportion)
- Mounted optionally in the ventilation module or in the wall holder as remote control
- Only one ventilation operating module BML is needed to operate up to 7 zones
- Demand-optimised boiler water temperature demand via eBus
- eBus interface

Art. no.	€	DG
2744634	425.00	L50



WALL MOUNTING BASE

Wall mounting base for using the BML programming unit as a remote control

2744275	32.40	H41
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LM1 VENTILATION MODULE

(incl. room temperature sensor)

- Ventilation module for controlling unit heaters with two-stage motor
- Simple configuration of the controller by selecting predefined system diagrams
- Demand-optimised room temperature control via the rotary speed of the unit heater
- Operation of the heating circuit pump
- Operation of the heat generator
- Demand-optimised boiler water temperature demand via eBus
- eBus interface with automatic energy management
- Ventilation operating module BML can be clipped on

2744603	456.00	L50
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Note: Not in conjunction with EC motor.



LM2 VENTILATION MODULE

- Ventilation module LM2 for controlling the room temperature by means of the rotation speed or the mixer control
- 2-stage motor control in connection with ventilation module LM1 or variable speed control via EC-motor
- Simple configuration of the controller by selecting predefined system diagrams
- Operation of the heat or cooling generator
- Demand-optimised boiler water temperature demand via eBus
- eBus interface with automatic energy management
- Ventilation operating module BML can be clipped on
- Mixed air flap control (in combination with 24 V~ electric servomotor)
- Induction louvre control

2744604	456.00	L50
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	Art. no.	€	DG
OUTSIDE, CEILING OR ROOM TEMPERATURE SENSOR	2792021	34.30	H41
DIFFERENTIAL PRESSURE SWITCH For filter monitoring			
Loose	2744030	130.00	L50
Fitted	6523043	238.00	L50
5-STAGE SWITCH Electronic 5-stage speed controller, input 0 - 10 V			
[2 A, 400 V]	2744840	1110.00	L50
[4 A, 400 V]	2744841	1110.00	L50
Note: Not in conjunction with EC motor.			
TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE Can be used as a cylinder, boiler, central unit and supply air temperature sensor	8852829	62.00	H41
SENSOR HOLDER For supply air sensor	2792029	28.70	L50

WOLF

CONNECTING ACCESSORIES



SHUT-OFF SETS FOR HEAT EXCHANGER FOR FLOW AND RETURN

Consisting of:

1" threaded connection for connecting to flow and return with flat gasket, automatic air vent valve, drain and fill valve, ball valves with 1" female thread in flow and return, 3/4" male thread connection option [e. g. for the thermometer] in flow and return, suitable for heating water temperatures up to max. 110 °C and operating pressure up to max. 10 bar.

Straight-through version

TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2008030

126.00 L50

Right angle version

TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2008040

134.00 L50

HYDRONIC BALANCING VALVE

DN20, 4 - 15 l/min

2070931

254.00 L50

DN20, 8 - 30 l/min

2070932

254.00 L50

DN25, 6 - 20 l/min

2070933

264.00 L50

DN 25, 10 - 40 l/min

2070934

264.00 L50

DN 32, 20 - 70 l/min

2070935

326.00 L50

DN 40, 30 - 120 l/min

2070936

430.00 L50

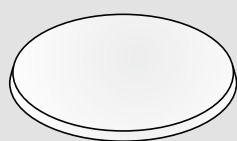
DRAIN OUTLET R1

With trap and pipe collar
Transparent plastic

TLHK-EC, TLHK, TLHD-EC,
TLHD-K-EC, TLHD, TLHD-K

2011005

25.10 L50


TOP FILTER

Category ISO Coarse 55 % (G4)
 (Not suitable for duct connection)

for product

Art. no.

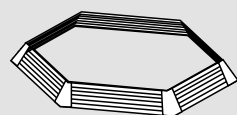
€

DG

 unit size 40
 unit size 63

 6523097
 6523098

 84.00
 92.00

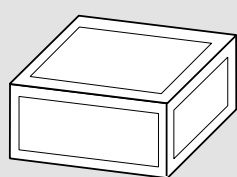
 L50
 L50

SUCTION RING

For lining the intake air gap when installing directly on the ceiling or as a decorative cover in all installation examples
 Traffic white RAL 9016
 Height 100 mm

 unit size 40
 unit size 63

 6511553
 6511554

 296.00
 315.00

 L50
 L50

EMPTY SECTION

25mm twin wall casing, thermally insulated
 Zinc-plated sheet steel

 unit size 40
 unit size 63

 6511577
 6511578

 367.00
 486.00

 L50
 L50

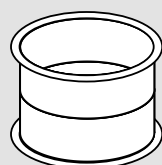
ADAPTOR PLATE

For connecting a round slider with empty section or attachment frame, thermally insulated
 Zinc-plated sheet steel

 unit size 40
 unit size 63

 6511587
 6511588

 159.00
 205.00

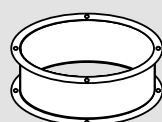
 L50
 L50

SLIDER

To compensate for dimensional differences
 Min. height = 300 mm, max. height = 500 mm
 Zinc-plated sheet steel

 unit size 40
 unit size 63

 2526040
 2526063

 264.00
 309.00

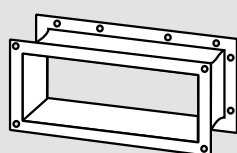
 L50
 L50

FLEXIBLE CONNECTION

For connection to TLHD
 Height 130 mm

 unit size 40
 unit size 63

 6511535
 6511537

 130.00
 165.00

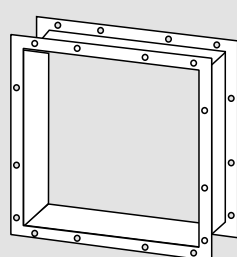
 L50
 L50

FLEXIBLE CONNECTION, 4-HOLE PROFILE FRAME

For connection to duct

 unit size 40
 unit size 63

 2524015
 2524020

 62.00
 79.00

 L50
 L50

CANVAS SOCKETS, 4-HOLE PROFILE FRAME

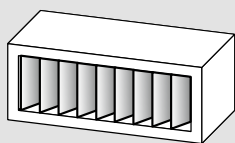
 unit size 40
 unit size 63

 2525040
 2525063

 87.00
 118.00

 L50
 L50

Note: In combination with LH-ATEX, an earth strap is required for equipotential bonding (part no. 2765450).

WOLF
ACCESSORIES**FILTER ATTACHMENT BOX**

With filter category ISO Coarse 45 % [G4]
Zinc-plated sheet steel
Depth 100 mm

for product

Art. no.

€

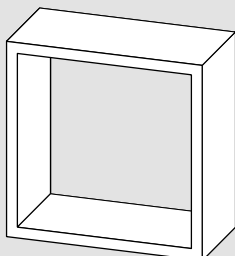
DG

unit size 40
unit size 63

6105100
6105101

320.00
351.00

L50
L50

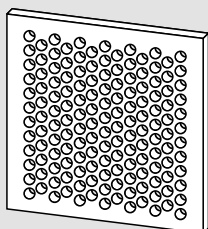
**THERMALLY INSULATED ATTACHMENT FRAME**

For installation in grid ceiling 620 x 620 for
connecting a louvre damper or adaptor plate to
the recirculation air intake grille
Zinc-plated sheet steel
Height and width 590 mm, depth 100 mm

6511595

181.00

L50

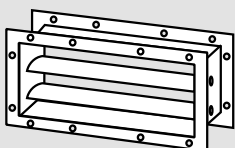
**RECIRCULATION AIR INTAKE PLATE**

Colour: traffic white RAL 9016
For installation in the attachment frame, suitable
for Euro grid ceiling
Height and width 620 mm, depth 100 mm

6523104

118.00

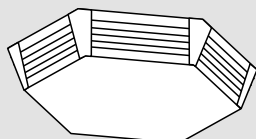
L50

**JALOUSIEKLAPPE K2**

für Kanal
Stahlblech, verzinkt

unit size 40
unit size 63

2575268
2575269

244.00**TD CEILING DISCHARGE**

Casing such as TLHD[-EC], without heat exchanger, without fan motor unit, as ceiling discharge.
Traffic white RAL 9016

unit size 40
unit size 63

6511549
6511550

780.00
1020.00

L50
L50

**MOUNTING BRACKET**

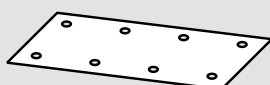
For installing the appliance on the wall or ceiling with fitted mixed air box, recirculation air box, outdoor air box or filter box.
Zinc-plated sheet steel
4 mounting brackets are required for fastening.
These are included with the corresponding intake accessories.
[Sealing against the wall/ceiling on site].

1 pce
2-pce set
4-pce set

6511454
6523052
6523053

9.10
18.30
36.60

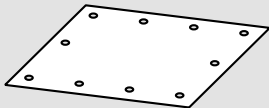
L50
L50
L50

**UNIVERSAL CASING PANEL, FRONT**

As adaptor from empty section/fan section to on-site duct. The apertures have to be made individually on site.
Zinc-plated sheet steel

unit size 40
unit size 63

on request
on request



	for product	Art. no.	€	DG
UNIVERSAL CASING PANEL, SQUARE As adaptor from empty section TLHD(-ED) 63 to accessory louvre damper/slider TLHD(-EC) 40. The apertures have to be made individually on site. Zinc-plated sheet steel Width and depth 760mm	unit size 63	on request		

WOLF

SWITCHING DEVICES



VARIABLE SPEED CONTROLLER
For variable operation of one or more units with EC motor [0 - 10 V]

for product

Art. no.

€

DG

TLH-EC, TLHK-EC
TLHD-EC, TLHD-K-EC
LH-EC

2745100

231.00

L50



1-STAGE SWITCH D1-2
Full motor protection switch [8 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2745465

173.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.
Full motor protection provided by thermistor in connection with thermistor triggering unit for control panel installation.



2-STAGE SWITCH DS-2
Full motor protection switch [8 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2745467

291.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.
Full motor protection provided by thermistor in connection with thermistor triggering unit for control panel installation.



3-STAGE SWITCH D3-4T
Full motor protection switch [4 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2701065

442.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.



5-STAGE SWITCH D5...
Full motor protection switch with lock preventing unintentional restart

D5-1-2 [1 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2748015

442.00

L50

D5-3T [2 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740010

495.00

L50

D5-7T [4 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740013

610.00

L50

D5-12T [7 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740014

715.00

L50

D5-19T [12 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740017

1140.00

L54

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.



UNIVERSAL TIMER WITH 7-DAY PROGRAM

LH-EC, TLH-EC,
TLHD-EC, TLHD-K-EC,
CFL-EC-ZUL,
CFL-EC-ABL

2746081

174.00

L50



OMNIPOLAR REPAIR SWITCH AR8, 1N/C+1N/O

TLHD-EC, TLHD-K-EC, TLHD,
TLHD-K

2744649

87.00

L50

WOLF SERVOMOTORS



A1 AUTOMATIC RELAY
For servomotor open/close (3.15 A, 230 V)

for product

Art. no.

€

DG

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

7965020

103.00

L50



A1S AUTOMATIC RELAY
For servomotor, variable speed with built-in position indicator (0 to 100 %) (3.15 A, 230 V)

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC, TLHD,
TLHD-K

7940101

232.00

L50



ACTUATOR, 230 V / 50 HZ, STEPLESS FOR MIXED AIR DAMPER

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2269522

352.00

L50



230 V / 50 HZ SERVOMOTOR FOR OPENING / CLOSING THE DAMPER

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2269523

336.00

L50



POSITION INDICATOR

For installation on the control panel front for variable speed servomotor activation in conjunction with automatic relay A1

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2744360

93.00

L50

For surface mounting for variable speed servomotor activation in conjunction with automatic relay A1

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2744389

134.00

L50

WOLF
THERMOSTATES**CONTACT FROST STAT**

Setting range 0 °C to 60 °C (to be mounted on the return)

for product

Art. no.

€

DG

TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2730100

89.00 L50**FROST STAT SP-1**

Incl. sensor well (to be mounted in the return)

TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2797005

52.00 H41**FROST STAT, FITTED**

TLHD-EC/TLHD 40

6523478

125.00 L50

TLHD-K-EC/TLHD-K 40

6523479

125.00 L50

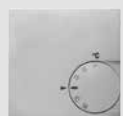
TLHD-EC/TLHD 63

6523480

125.00 L50

TLHD-K-EC/TLHD-K 63

6523481

125.00 L50**ROOM THERMOSTAT**LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2734000

53.00 L50**ROOM THERMOSTAT WITH SUMMER/WINTER SWITCH**LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2734700

92.00 L50**ROOM THERMOSTAT CLOCK WITH WEEKLY PROGRAMME**LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2744079

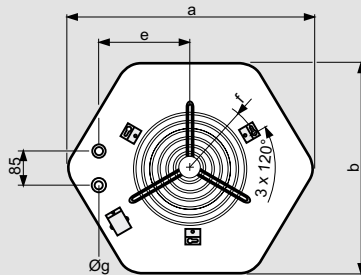
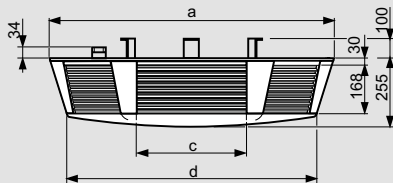
254.00 L50**REMOTE SENSOR FOR ROOM THERMOSTAT CLOCK**LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2744051

40.50 L50**ROOM THERMOSTAT, INDUSTRIAL VERSION**LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2735300

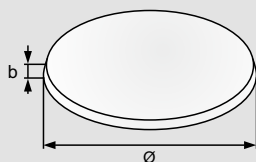
103.00 L50



STANDARD UNIT DIMENSIONS

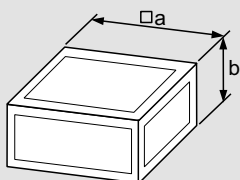
Type	Unit size	40	63
a	mm	960	1120
b	mm	860	1000
c	mm	326	405
d	mm	815	975
e	mm	288	358
f	mm	R 317	R 382
Øg		1"	1"

WOLF ACCESSORIES



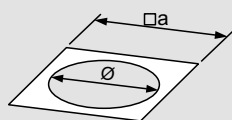
TOP FILTER

Type	Unit size	40	63
Ø	mm	520	650
b	mm	40	50



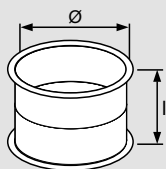
EMPTY SECTION

Type	Unit size	40	63
a	mm	630	800
b	mm	300	345



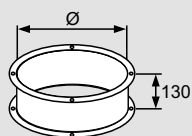
ADAPTOR PLATE

Type	Unit size	40	63
Ø	mm	453	569
a	mm	590	760



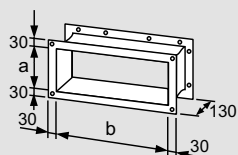
SLIDER

Type	Unit size	40	63
Ø	mm	453	569
l	mm	300-500	300-500



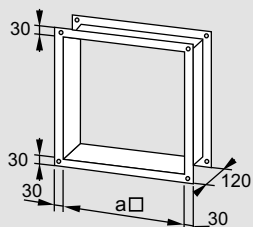
FLEXIBLE CONNECTION

Type	Unit size	40	63
Ø	mm	453	569



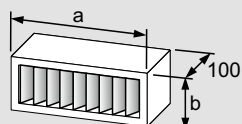
FLEXIBLE CONNECTION, 4-HOLE PROFILE FRAME

Type	Unit size	40	63
a	mm	200	245
b	mm	530	700



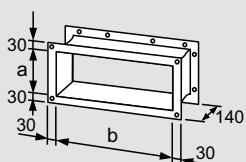
CANVAS SOCKETS, 4-HOLE PROFILE FRAME

Type	Unit size	25	40	63	100
a	mm	400	530	700	860



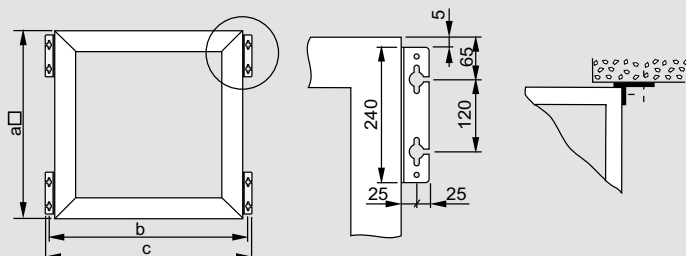
FILTER ATTACHMENT BOX

Type	Unit size	40	63
a	mm	630	800
b	mm	300	345



JALOUSIEKLAPPE K2

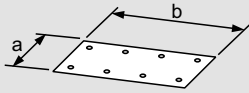
Typ	Baugröße	40	63
a	mm	200	245
b	mm	530	700



MOUNTING BRACKET

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	550	680	850	1050
c	mm	600	730	900	1100

WOLF ACCESSORIES



UNIVERSAL CASING PANEL, FRONT

Type	Unit size	40	63
a	mm	260	305
b	mm	590	760

WOLF

UNIT HEATER

UNIT HEATER LH-EC / LH	02
LH-EC	02
Unit heater with EC fan	
LH	03
Unit heater	
WRS CONTROL SYSTEMS / CONTROL ACCESSORIES	05
UNIT HEATER LH MOBILE	07
LH MOBIL	07
Unit heater for site heating	
UNIT HEATER LH-ATEX	08
LH-ATEX	08
Unit heater in explosion-proof design	
LH-ATEX CONTROL SYSTEMS	09
ACCESSORIES	10
CONNECTING ACCESSORIES	10
DEVICE FASTENINGS	11
DISCHARGE ACCESSORIES	13
INTAKE ACCESSORIES	15
SWITCHING DEVICES	16
SERVOMOTORS	18
THERMOSTATS / TERMINAL BOX	19
TECHNICAL DATA	20
DEVICES	20
ACCESSORIES	22



LH-EC UNIT HEATER WITH EC FAN

DG | L50

Unit heater with discharge louvre for wall or ceiling mounting; outdoor air, mixed air or recirculation air mode for heating or ventilation.

Full motor protection with integral temperature monitoring

Energy saving EC fans (1 x 230 V)

Casing: Zinc-plated sheet steel

Discharge louvre: „WOLF silver“

EC-motor 230V / 50Hz

Heat exchanger: Copper-aluminium

		25	40	63	100
Type 1	Art. no.	6523823	6523833	6523843	6523902
	€	1230,00	1680,00	2325,00	2965,00
Type 2	Art. no.	6523824	6523834	6523844	6523903
	€	1290,00	1730,00	2385,00	3195,00
Type 3	Art. no.	6523825	6523835	6523845	6523904
	€	1350,00	1885,00	2620,00	3510,00
Type 4	Art. no.	6523826	6523836	6523846	6523905
	€	1445,00	1970,00	2770,00	3615,00
Type D *	Art. no.	6523827	6523837	6523847	6523906
	€	1350,00	1885,00	2615,00	3455,00

EC-motor 230V / 50Hz

Heat exchanger: Galvanised steel

		25	40	63	100
Type 1	Art. no.	6523828	6523838	6523848	6523907
	€	1390,00	1920,00	2630,00	3370,00
Type 2	Art. no.	6523829	6523839	6523849	6523908
	€	1465,00	1995,00	2965,00	4115,00
Type 3	Art. no.	6523830	6523840	6523850	6523909
	€	1635,00	2170,00	3135,00	4495,00
Type D * AF horizontal	Art. no.	6523831	6523841	6523851	6523910
	€	1570,00	2085,00	2965,00	3945,00
Type D * AF vertical	Art. no.	6523832	6523842	6523852	6523911
	€	1570,00	2085,00	2965,00	3945,00

* Note: With unit heater LH-EC in combination with electrical or steam coil, controller by request!



LH UNIT HEATER

DG | L50

Unit heater with discharge louvre for wall or ceiling mounting;
outdoor air, mixed air or recirculation air mode for heating or ventilation.

Single phase AC motor 230 V / 50 Hz

Three-phase motor: 3 x 400 V / 50 Hz

Casing: Zinc-plated sheet steel

Discharge louvre: „WOLF silver“

Single phase AC motor 230V / 50Hz

Heat exchanger: Copper-aluminium

		25	40	63
Type 1	Art. no.	6523604	6523614	6523624
	€	1025,00	1330,00	1690,00
Type 2	Art. no.	6523605	6523615	6523625
	€	1080,00	1385,00	1755,00
Type 3	Art. no.	6523606	6523616	6523626
	€	1155,00	1540,00	1980,00
Type 4	Art. no.	6523607	6523617	6523627
	€	1240,00	1625,00	2135,00
Type D *	Art. no.	6523608	6523618	6523628
	€	1155,00	1540,00	1975,00

Single phase AC motor 230V / 50Hz

Heat exchanger: Galvanised steel

		25	40	63
Type 1	Art. no.	6523609	6523619	6523629
	€	1185,00	1575,00	1995,00
Type 2	Art. no.	6523610	6523620	6523630
	€	1265,00	1645,00	2325,00
Type 3	Art. no.	6523611	6523621	6523631
	€	1435,00	1830,00	2495,00
Type D * AF horizontal	Art. no.	6523612	6523622	6523632
	€	1360,00	1735,00	2325,00
Type D * AF vertical	Art. no.	6523613	6523623	6523633
	€	1360,00	1735,00	2325,00

Three-phase motor 3 x 400V / 50Hz

Heat exchanger: Copper-aluminium

		25	40	63	100
Type 1	Art. no.	6523554	6523564	6523574	6523584
	€	865,00	1175,00	1520,00	2005,00
Type 2	Art. no.	6523555	6523565	6523575	6523585
	€	930,00	1240,00	1590,00	2230,00
Type 3	Art. no.	6523556	6523566	6523576	6523586
	€	1010,00	1385,00	1810,00	2555,00
Type 4	Art. no.	6523557	6523567	6523577	6523587
	€	1075,00	1475,00	1960,00	2650,00
Type D *	Art. no.	6523558	6523568	6523578	6523588
	€	1010,00	1385,00	1810,00	2490,00

Three-phase motor 3 x 400V / 50Hz

Heat exchanger: Galvanised steel

		25	40	63	100
Type 1	Art. no.	6523559	6523569	6523579	6523589
	€	1035,00	1425,00	1830,00	2410,00
Type 2	Art. no.	6523560	6523570	6523580	6523590
	€	1105,00	1490,00	2160,00	3160,00
Type 3	Art. no.	6523561	6523571	6523581	6523591
	€	1280,00	1680,00	2345,00	3525,00
Type D * AF horizontal	Art. no.	6523562	6523572	6523582	6523592
	€	1220,00	1585,00	2160,00	2995,00
Type D * AF vertical	Art. no.	6523563	6523573	6523583	6523593
	€	1220,00	1585,00	2160,00	2995,00

Three-phase motor 3 x 400V / 50Hz

Heat exchanger: Electrical [incl. safety limiter] *

		25
2 x 3kW = 6kW AF horizontal	Art. no.	6523594
	€	1870,00
3 x 3kW = 9kW AF horizontal	Art. no.	6523596
	€	2045,00
4 x 3kW = 12kW AF horizontal	Art. no.	6523598
	€	2350,00
2 x 3kW = 6kW AF vertical	Art. no.	6523595
	€	1870,00
3 x 3kW = 9kW AF vertical	Art. no.	6523597
	€	2045,00
4 x 3kW = 12kW AF vertical	Art. no.	6523599
	€	2350,00

Three-phase motor 3 x 400V / 50Hz

Heat exchanger: without heat exchangers

		25	40	63	100
	Art. no.	6523600	6523601	6523602	6523603
	€	670,00	850,00	1065,00	1470,00

* **Note:** With unit heater LH in combination with electrical or steam coil, controller by request!

Art. no. € DG



BML VENTILATION PROGRAMMING UNIT

2744634 425.00 L50

- Room temperature-compensated temperature control
- Graphic display with backlight
- Simple menu navigation through plain text display
- Operation using rotary knob with push-function
- 4 function keys for frequently used functions (information, temperature, speed setting, fresh air proportion)
- Mounted optionally in the ventilation module or in the wall holder as remote control
- Only one ventilation operating module BML is needed to operate up to 7 zones
- Demand-optimised boiler water temperature demand via eBus
- eBus interface



WALL MOUNTING BASE

2744275 32.40 H41

Wall mounting base for using the BML programming unit as a remote control



LM1 VENTILATION MODULE

2744603 456.00 L50

(incl. room temperature sensor)

- Ventilation module for controlling unit heaters with two-stage motor
- Simple configuration of the controller by selecting predefined system diagrams
- Demand-optimised room temperature control via the rotary speed of the unit heater
- Operation of the heating circuit pump
- Operation of the heat generator
- Demand-optimised boiler water temperature demand via eBus
- eBus interface with automatic energy management
- Ventilation operating module BML can be clipped on

Note: Not in conjunction with EC motor.



LM2 VENTILATION MODULE

2744604 456.00 L50

- Ventilation module LM2 for controlling the room temperature by means of the rotation speed or the mixer control
- 2-stage motor control in connection with ventilation module LM1 or variable speed control via EC-motor
- Simple configuration of the controller by selecting predefined system diagrams
- Operation of the heat or cooling generator
- Demand-optimised boiler water temperature demand via eBus
- eBus interface with automatic energy management
- Ventilation operating module BML can be clipped on
- Mixed air flap control (in combination with 24 V~ electric servomotor)
- Induction louvre control

WOLF

CONTROL ACCESSORIES



	Art. no.	€	DG
OUTSIDE, CEILING OR ROOM TEMPERATURE SENSOR	2792021	34.30	H41



DIFFERENTIAL PRESSURE SWITCH

For filter monitoring

Loose	2744030	130.00	L50
Fitted	6523043	238.00	L50



5-STAGE SWITCH

Electronic 5-stage speed controller, input 0 - 10 V

[2 A, 400 V]	2744840	1110.00	L50
[4 A, 400 V]	2744841	1110.00	L50
[6 A, 230 V]	2745066	785.00	L50

Note: Not in conjunction with EC motor.



TEMPERATURE SENSOR (NTC 5K, Ø 6 MM) LOOSE

Can be used as a cylinder, boiler, central unit and supply air temperature sensor

8852829	62.00	H41
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SENSOR HOLDER

For supply air sensor

2792029	28.70	L50
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LH MOBIL UNIT HEATER FOR SITE HEATING

DG | L50

LH Mobil unit heater for building heating in winter, drying of buildings and screeds

Fitted handles for an easy transport on site

Anti-vibration feet protecting the unit

Mounting brackets for fitting to the floor

Separated connections for current and water

Stage switch fitted and wired

Completely wired incl. plug

Industrial thermostat either fitted and wired ex works or with connection possibility for industrial thermostat on site

Single phase AC motor 230V / 50Hz

Heat exchanger: Copper-aluminium

		25	40
Industrial thermostat fitted and wired	Art. no.	6524092	6524096
	€	1840,00	2215,00
Industrial thermostat on site	Art. no.	6524093	6524097
	€	1740,00	2110,00

Three-phase motor 3 x 400V / 50Hz

Heat exchanger: Copper-aluminium

		25	40
Industrial thermostat fitted and wired	Art. no.	6524094	6524098
	€	1705,00	2075,00
Industrial thermostat on site	Art. no.	6524095	6524099
	€	1600,00	1970,00



LH-ATEX UNIT HEATER IN EXPLOSION-PROOF DESIGN

DG | L50

Unit heater in explosion-proof design
for Zone 2 explosion risk areas (II 3G Ex h IIB T4 Gc X).

Unit heater with discharge louver for wall or ceiling mounting.

Outdoor air, mixed air or recirculation air mode for heating or ventilation.

Casing: Zinc-plated sheet steel

Discharge louver: „WOLF silver“

Three-phase motor: 3 x 400 V / 50 Hz, 2-stage Δ/Y

Full motor protection with built-in thermistors

Three-phase motor 3 x 400V / 50Hz

Heat exchanger: Copper-aluminium

		25	40	63	100
Type 1	Art. no.	6523013	6523020	6523027	6523034
	€	1170,00	1470,00	1840,00	2325,00
Type 2	Art. no.	6523014	6523021	6523028	6523035
	€	1230,00	1535,00	1925,00	2565,00
Type 3	Art. no.	6523015	6523022	6523029	6523036
	€	1300,00	1690,00	2145,00	2880,00
Type 4	Art. no.	6523016	6523023	6523030	6523037
	€	1375,00	1780,00	2290,00	2990,00

Three-phase motor 3 x 400V / 50Hz

Heat exchanger: Galvanised steel

		25	40	63	100
Type 1	Art. no.	6523017	6523024	6523031	6523038
	€	1520,00	1995,00	2525,00	3330,00
Type 2	Art. no.	6523018	6523025	6523032	6523039
	€	1590,00	2055,00	2855,00	4095,00
Type 3	Art. no.	6523019	6523026	6523033	6523040
	€	1770,00	2235,00	3040,00	4470,00

RAL and special colours by request.

WOLF LH-ATEX CONTROL SYSTEMS



EXPLOSION-PROOF ATEX TERMINAL BOX
Fitted and wired

Art. no.	€	DG
6523042	452.00	L50



THERMISTOR TRIGGERING UNIT
Suitable for installation in control panel on site

2210060	200.00	L50
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Note: The thermistor triggering unit may only be installed outside the potentially explosive area.



A1Ü CONTROL UNIT
Without explosion-proof switch (only suitable for 1 unit)

7965030	205.00	L50
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Note: Only possible in conjunction with LH 40,63,100-ATEX. Installation only outside potentially explosive area.



EXPLOSION-PROOF SWITCH
For A1 Ü controller, operating voltage 690V, max. current 16A (4A), IP rating IP 66

2739000	235.00	L50
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WOLF

CONNECTING ACCESSORIES



SHUT-OFF SETS FOR HEAT EXCHANGER FOR FLOW AND RETURN

Consisting of:

1" threaded connection for connecting to flow and return with flat gasket, automatic air vent valve, drain and fill valve, ball valves with 1" female thread in flow and return, 3/4" male thread connection option [e. g. for the thermometer] in flow and return, suitable for heating water temperatures up to max. 110 °C and operating pressure up to max. 10 bar.

Straight-through version

LH-EC/LH 25,
LH25-ATEX Type 2/3/4;
LH-EC/LH 40,
LH40-ATEX Type 2/3/4;
LH-EC/LH 63,
LH63-ATEX Type 1;
LH-EC/LH 100,
LH100-ATEX Type 1

2008030

126.00 L50

Right angle version

LH-EC/LH 25,
LH25-ATEX Type 2/3/4;
LH-EC/LH 40,
LH40-ATEX Type 2/3/4;
LH-EC/LH 63,
LH63-ATEX Type 1;
LH-EC/LH 100
LH100-ATEX Type 1

2008040

134.00 L50



HYDRONIC BALANCING VALVE

DN20, 4 - 15 l/min

2070931

254.00 L50

DN20, 8 - 30 l/min

2070932

254.00 L50

DN25, 6 - 20 l/min

2070933

264.00 L50

DN 25, 10 - 40 l/min

2070934

264.00 L50

DN 32, 20 - 70 l/min

2070935

326.00 L50

DN 40, 30 - 120 l/min

2070936

430.00 L50



FLANGE SET

Consisting of 2 threaded flanges, 2 welded flanges and 2 flat gaskets, plus hexagonal bolts and hexagonal nuts

DN20, R 3/4"

LH-EC/LH 25, 40 Type 1;
LH 25,40-ATEX Type 1

2070201

84.00 L50

DN25, R 1"

LH-EC/LH 25,40 Type
2/3/4;

2070202

88.00 L50

LH 25/40-ATEX Type
2/3/4;

LH-EC/LH 63,100 Type 1;
LH 63/100-ATEX Type 1

DN32, R 1 1/4"

LH-EC/LH 63, Type
2/3/4;

2070203

123.00 L50

DN40, R 1 1/2"

LH 63-ATEX Type 2/3/4

LH-EC/LH 63, Type
2/3/4;

2070204

136.00 L50

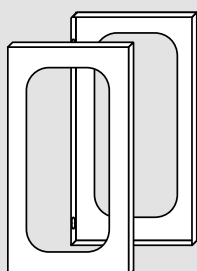
LH 63-ATEX Type 2/3/4

for product

Art. no.

€

DG



FIXING BRACKETS

For installation on the wall or ceiling, made from 2 mm folded sheet steel, zinc-plated

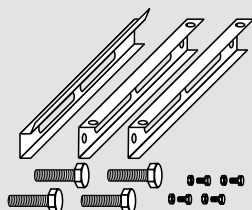
Consisting of:

- 2 brackets
- Hexagon bolts for installing on appliance

unit size 25, 40
unit size 63, 100

6500638
6500639

62.00 L50
73.00 L50



FIXING KIT FOR CONCRETE LINTEL, VERTICAL

For fixing to a concrete beam by suspending from pre-mounted fixing rails.

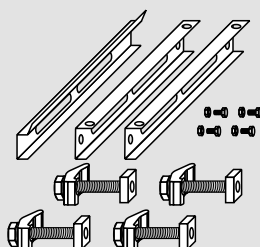
Consisting of:

Mounting rail, 2 support rails, nuts and bolts
(only in conjunction with fixing brackets)
Zinc-plated sheet steel

unit size 25
unit size 40

6500781
6500782

96.00 L50
96.00 L50



FIXING KIT FOR STEEL BEAM, VERTICAL

For fixing to a steel beam by suspending from pre-mounted fixing rails with clamping claws. Suitable for all steel beams with a flange width of 100 mm to 300 mm and a flange thickness of 6 mm to 21 mm.

Consisting of:

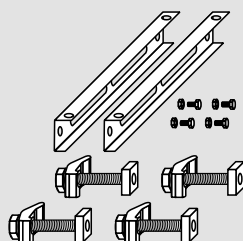
Mounting rail, 2 support rails, 4 clamping claws, nuts and bolts (only in conjunction with fixing brackets)

Zinc-plated sheet steel

unit size 25
unit size 40

6500783
6500784

190.00 L50
190.00 L50



FIXING KIT FOR STEEL BEAM, HORIZONTAL AND INCLINED WITHOUT INCLINATION COMPENSATION

For fixing to a horizontal or inclined steel beam with a flange width of 100 mm to 300 mm and a flange thickness of 6 mm to 21 mm.

Consisting of:

2 support rails, 4 clamping claws, nuts and bolts (only in conjunction with fixing brackets)
Zinc-plated sheet steel

unit size 25
unit size 40

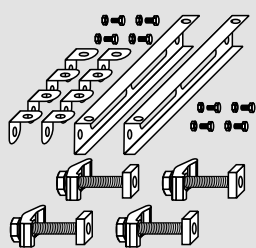
6500785
6500786

180.00 L50
180.00 L50

Attention: Before using the fixing kits, check and factor in the static regulations of the on-site concrete pillars or steel beams. Installation only with standard units with an overall depth of 300 mm.

WOLF

DEVICE FASTENINGS



FIXING KIT FOR STEEL BEAM, INCLINED WITH INCLINATION COMPENSATION

For fixing to a steel beam with a flange width of 100 mm to 300 mm and a flange thickness of 6 mm to 21 mm.

Consisting of:

2 support rails, 4 clamping claws, 4 self-aligning brackets, nuts and bolts (only in conjunction with fixing brackets)

Zinc-plated sheet steel

for product

Art. no.

€

DG

unit size 25

6500787

205.00

L50

unit size 40

6500788

205.00

L50



MOUNTING BRACKET

For installing the appliance on the wall or ceiling with fitted mixed air box, recirculation air box, outdoor air box or filter box.

Zinc-plated sheet steel

4 mounting brackets are required for fastening.

These are included with the corresponding intake accessories.

[Sealing against the wall/ceiling on site].

1 pce

6511454

9.10

L50

2-pce set

6523052

18.30

L50

4-pce set

6523053

36.60

L50

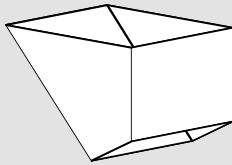


DISCHARGE CONE

For increasing the throw when the unit is installed at height.

Zinc-plated sheet steel

for product	Art. no.	€	DG
unit size 25	6513541	102.00	L50
unit size 40	6513542	118.00	L50
unit size 63	6513543	125.00	L50
unit size 100	6513544	183.00	L50



DISCHARGE NOZZLE

For a large throw, suitable as air curtain at doors.

Discharge temperature for air curtain approx. 10 - 15 °C above room temperature.

Zinc-plated sheet steel

unit size 25	6513051	134.00	L50
unit size 40	6513052	153.00	L50
unit size 63	6513053	192.00	L50
unit size 100	6513054	244.00	L50



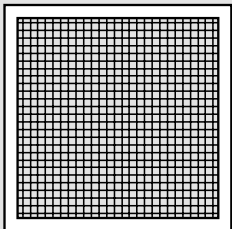
FOUR-WAY DISCHARGE

With adjustable air guide fins, suitable for heating low rooms with steady air distribution to all four sides.

Zinc-plated sheet steel.

Fins in "WOLF silver", similar to RAL 9006.

unit size 25	6513061	165.00	L50
unit size 40	6513062	190.00	L50
unit size 63	6513063	215.00	L50
unit size 100	6513064	238.00	L50



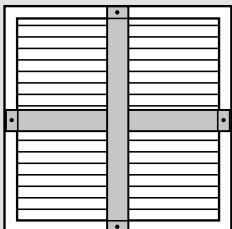
WIDE SPREAD DISCHARGE

For greater lateral spread of the warm air stream.

Air jet cone up to approx. 120°; horizontal and vertical fins individually adjustable.

Powder-coated, colour: "WOLF silver", similar to RAL 9006.

unit size 25	2565020	134.00	L50
unit size 40	2565120	165.00	L50
unit size 63	2565220	238.00	L50
unit size 100	2565320	309.00	L50



DISCHARGE CROSS (LOOSE)

Improvement of the air circulation and temperature distribution thorough mixing of the warm air stream with the indoor air.

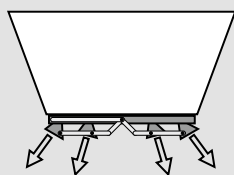
The reduced temperature of the warm air stream increases the throw.

Reduces the air temperature in the ceiling area, thus reducing ventilation and transmission heat losses; energy saving up to 15 %.

unit size 25	6513821	130.00	L50
unit size 40	6513822	138.00	L50
unit size 63	6513823	153.00	L50
unit size 100	6513824	165.00	L50

WOLF

DISCHARGE ACCESSORIES



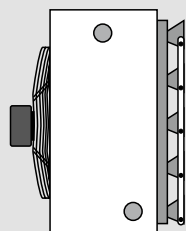
ADAPTOR CONE FOR INDUCTION LOUVRE

For increasing the throw in halls with high ceilings, in which the maximum installed height of the ceiling units with induction louvre alone is not sufficient.

Zinc-plated sheet steel.

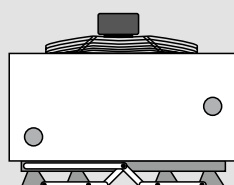
Required size of the induction louvre:

For LH63 adaptor cone: LH25 induction louvre	unit size 63	6500934	143.00	L50
For LH100 adaptor cone: LH40 induction louvre	unit size 100	6500937	202.00	L50



INDUCTION LOUVRE FOR WALL MOUNTED UNIT

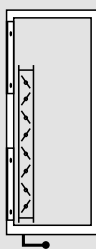
Manual setting	LH-EC/LH 25,	6500473	254.00	L50
	LH 25-ATEX			
	LH-EC/LH 40,	6500485	296.00	L50
	LH 40-ATEX			
	LH-EC/LH 63,	6500502	342.00	L50
With 230 V / 50 Hz electric servomotor fitted	LH 63-ATEX			
	LH-EC/LH 100,	6500513	385.00	L50
	LH 100-ATEX			
	LH-EC/LH 25	6500475	476.00	L50
	LH-EC/LH 40	6500487	520.00	L50
With 24 V ~ electric servomotor fitted	LH-EC/LH 60	6500504	560.00	L50
	LH-EC/LH 100	6500515	610.00	L50
	LH-EC/LH 25	6500957	476.00	L50
	LH-EC/LH 40	6500958	520.00	L50
	LH-EC/LH 63	6500959	560.00	L50
	LH-EC/LH 100	6500960	610.00	L50



INDUCTION LOUVRE FOR CEILING UNIT

Manual setting	LH-EC/LH 25,	6500474	367.00	L50
	LH 25-ATEX			
	LH-EC/LH 40,	6500486	420.00	L50
	LH 40-ATEX			
	LH-EC/LH 63,	6500503	486.00	L50
With 230 V / 50 Hz electric servomotor fitted	LH 63-ATEX			
	LH-EC/LH 100,	6500514	560.00	L50
	LH 100-ATEX			
	LH-EC/LH 25	6500476	600.00	L50
	LH-EC/LH 40	6500488	645.00	L50
With 24 V ~ electric servomotor fitted	LH-EC/LH 63	6500505	700.00	L50
	LH-EC/LH 100	6500516	790.00	L50
	LH-EC/LH 25	6500961	600.00	L50
	LH-EC/LH 40	6500962	645.00	L50
	LH-EC/LH 63	6500963	700.00	L50
	LH-EC/LH 100	6500964	790.00	L50

for product Art. no. € DG



MIXING BOX

For individual adjustment of the outdoor air flow rate.

Outdoor air intake at the back, recirculation air intake at the side or, when mixed air box is rotated by 90°, from above

Variable manual adjustment between pure recirculation air mode via mixed air to pure outdoor air mode.

Zinc-plated sheet steel.

Mounting bracket as standard.

Alternatively:

Servomotor 230 V variable speed (part no. 2269522)

or in conjunction with LM2 ventilation module

Servomotor 24 V variable speed (part no. 2269521)

LH-EC/LH 25	on request
LH-EC/LH 40	on request
LH-EC/LH 63	on request
LH-EC/LH 100	on request

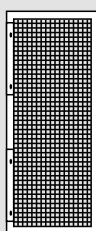
Note: If used in outdoor air mode, unit heaters are covered by the scope of application of EU Regulation 1253/2014.

ATEX MIXING BOX

Zinc-plated sheet steel

Louvre dampers with bronze bearing

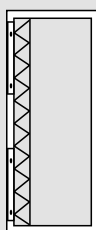
LH-ATEX	on request
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RECIRCULATION AIR BOX WITH LATERAL INTAKE

For recirculation air intake through two grilles at the side or, when rotated by 90°, intake from top and bottom. Mounting bracket as standard. Zinc-plated sheet steel.

unit size 25	6513251	181.00	L50
unit size 40	6513252	215.00	L50
unit size 63	6513253	252.00	L50
unit size 100	6513254	300.00	L50



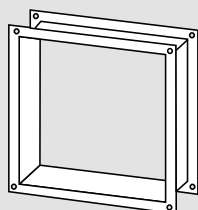
FILTER BOX

With filter element as dust trap in outdoor air and mixed air modes, filter category ISO Coarse 45 % (G4).

Mounting brackets on request.

Zinc-plated sheet steel

unit size 25	6513091	296.00	L50
unit size 40	6513092	409.00	L50
unit size 63	6513093	452.00	L50
unit size 100	6513094	550.00	L50



CANVAS SOCKETS, 4-HOLE PROFILE FRAME

unit size 25	2525025	56.00	L50
unit size 40	2525040	87.00	L50
unit size 63	2525063	118.00	L50
unit size 100	2525100	130.00	L50

Note: In combination with LH-ATEX, an earth strap is required for equipotential bonding (part no. 2765450).

WOLF

SWITCHING DEVICES



VARIABLE SPEED CONTROLLER
For variable operation of one or more units with EC motor [0 - 10 V]

for product

Art. no.

€

DG

TLH-EC, TLHK-EC
TLHD-EC, TLHD-K-EC
LH-EC

2745100

231.00

L50



1-STAGE SWITCH D1-2
Full motor protection switch [8 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2745465

173.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.
Full motor protection provided by thermistor in connection with thermistor triggering unit for control panel installation.



2-STAGE SWITCH DS-2
Full motor protection switch [8 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2745467

291.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.
Full motor protection provided by thermistor in connection with thermistor triggering unit for control panel installation.



3-STAGE SWITCH E 3-7T-2
Full motor protection switch [7 A, 230 V] with lock preventing unintentional restart

LH, TLH

2701064

315.00

L50



3-STAGE SWITCH D3-4T
Full motor protection switch [4 A, 400 V] with lock preventing unintentional restart

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2701065

442.00

L50

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.



5-STAGE SWITCH D5...
Full motor protection switch with lock preventing unintentional restart

D5-1-2 [1 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2748015

442.00

L50

D5-3T [2 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740010

495.00

L50

D5-7T [4 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740013

610.00

L50

D5-12T [7 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740014

715.00

L50

D5-19T [12 A, 400 V]

LH, LH-ATEX, TLH, TLHD,
TLHD-K

2740017

1140.00

L54

Note: In combination with LH-ATEX, installation only outside the potentially explosive area.



5-STAGE SWITCH E5-7T-2
Full motor protection switch [7 A, 230 V] with lock preventing unintentional restart

LH, TLH

2740011

402.00

L50

WOLF SWITCHING DEVICES



	for product	Art. no.	€	DG
MULTI-POLE REPAIR SWITCH AR8 Fitted and wired	LH-EC, LH	7965015	238.00	L50

WOLF

SERVOMOTORS



A1 AUTOMATIC RELAY
For servomotor open/close (3.15 A, 230 V)

for product

Art. no.

€

DG

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

7965020

103.00

L50



A1S AUTOMATIC RELAY
For servomotor, variable speed with built-in position indicator (0 to 100 %) (3.15 A, 230 V)

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

7940101

232.00

L50



24 V VARIABLE SPEED SERVOMOTOR FOR MIXED AIR DAMPER
In conjunction with LM2 ventilation module

LH-EC, LH, TLH-EC, TLH

2269521

358.00

L50



24 V SERVOMOTOR FOR OPENING / CLOSING THE OUTDOOR AIR DAMPER

LH-EC, LH, TLH-EC, TLH

2269556

260.00

L50



230 V / 50 HZ SERVOMOTOR FOR OPENING / CLOSING THE DAMPER

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2269523

336.00

L50



POSITION INDICATOR

For installation on the control panel front for variable speed servomotor activation in conjunction with automatic relay A1

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2744360

93.00

L50

For surface mounting for variable speed servomotor activation in conjunction with automatic relay A1

LH-EC, LH, TLH-EC, TLH,
TLHD-EC, TLHD-K-EC,
TLHD, TLHD-K

2744389

134.00

L50



BUTTON FOR SERVOMOTOR (230 V / 50 HZ)
For induction louvre

LH-EC, LH, TLH-EC, TLH,
TLHK-EC, TLHK

2701063

103.00

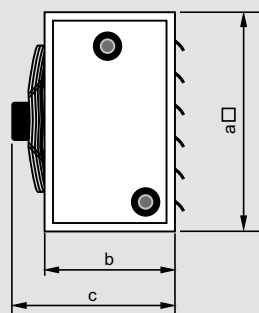
L50

WOLF

THERMOSTATS / TERMINAL BOX

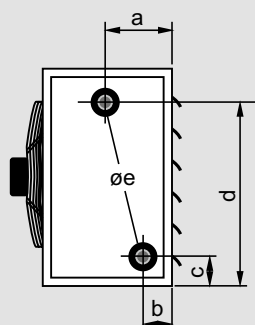
	for product	Art. no.	€	DG
	ROOM THERMOSTAT	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2734000	53.00 L50
	ROOM THERMOSTAT WITH SUMMER/WINTER SWITCH	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2734700	92.00 L50
	ROOM THERMOSTAT CLOCK WITH WEEKLY PROGRAMME	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2744079	254.00 L50
	REMOTE SENSOR FOR ROOM THERMOSTAT CLOCK	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2744051	40.50 L50
	ROOM THERMOSTAT, INDUSTRIAL VERSION	LH-EC, LH, TLH-EC, TLH, TLHD-EC, TLHD-K-EC, TLHD, TLHD-K	2735300	103.00 L50
	FROST PROTECTION THERMOSTAT ATTACHED	LH-EC/LH 25, 40, 63; TLH-EC/TLH 25, 40, 63; TLHK-EC/TLHK 25, 40, 63	2730050	191.00 L50
		LH-EC/LH 100, TLH-EC/TLH 100, TLHK-EC/TLHK 100	2730150	196.00 L50
	UNIVERSAL TIMER WITH 7-DAY PROGRAM	LH-EC, TLH-EC, TLHD-EC, TLHD-K-EC, CFL-EC-ZUL, CFL-EC-ABL	2746081	174.00 L50
	GROUND STRAP FOR POTENTIAL EQUALISATION	LH-EC, LH, LH-ATEX, TLH-EC, TLH, TLHK-EC, TLHK	2765450	6.00 L50
	INTERMEDIATE TERMINAL BOX FOR PARALLEL OPERATION OF UP TO 3 AIR HEATERS	LH, LH-ATEX, TLH	7965043	168.00 L50
	Note: In combination with LH-ATEX, mounting only outside the explosion risk area.			

WOLF DEVICES



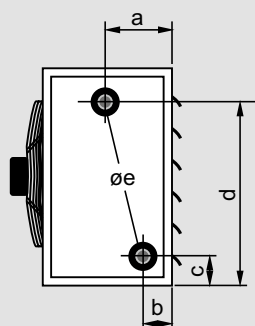
STANDARD UNIT DIMENSIONS

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	300	300	340
c	mm	410	415	420	485



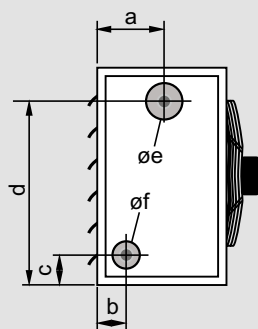
CONNECTIONS LH 25 - 100, TYPE 1 - 4, COPPER/ALUMINIUM

Type	Unit size	25-1	25-2/-3/-4	40-1	40-2/-3/-4	63-1	63-2/-3/-4	100-1	100-2/-3/-4
a	mm	98	158	98	143	103	143	124	179
b	mm	68	68	68	83	63	83	84	89
c	mm	72	75	76	80	75	78	95	89
d	mm	425	425	554	550	726	722	906	912
Øe		3/4"	1"	3/4"	1"	1"	1 1/4"	1"	1 1/2"



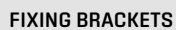
CONNECTIONS LH 25 - 100, TYPE 1 - 3, GALVANISED STEEL

Type	Unit size	25-1	25-2/-3/-4	40-1	40-2/-3/-4	63-1	63-2/-3/-4	100-1	100-2/-3/-4
a	mm	100	158	100	158	98	153	118	168
b	mm	66	68	66	68	68	73	88	98
c	mm	86	86	91	91	86	86	86	86
d	mm	409	405	534	530	705	695	885	865
Øe		3/4"	1"	3/4"	1"	1"	1 1/4"	1"	1 1/2"



CONNECTIONS LH 25 - 100, TYPE STEAM, COPPER/ALUMINIUM

Type	Unit size	25	40	63	100
a	mm	160	158	152	165
b	mm	90	99	84	100
c	mm	91	60	63	85
d	mm	421	591	725	894
øe	mm	DN40	DN40	DN50	DN50
øf	mm	DN20	DN20	DN25	DN32

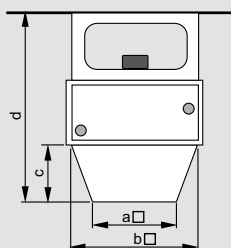


The technical drawing illustrates the assembly of a door. It features an exploded view of the door's components, including a door panel, a frame, hinges, bolts, and a handle. Dimensions b and t are indicated. The drawing shows the door panel being attached to the frame using hinges and bolts. A handle is also shown being attached to the door panel. The drawing is a black and white line drawing with dashed lines indicating the assembly path.

b	mm	100-300
t	mm	6-21

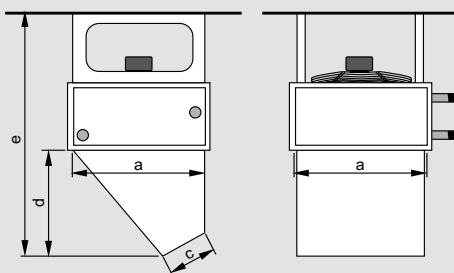


Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	550	680	850	1050
c	mm	600	730	900	1100



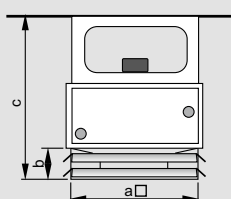
DISCHARGE CONE

Type	Unit size	25	40	63	100
a	mm	280	370	430	530
b	mm	460	590	760	920
c	mm	200	240	270	320
d	mm	750	790	920	1010



DISCHARGE NOZZLE

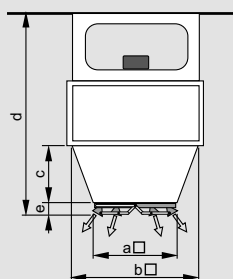
Type	Unit size	25	40	63	100
a	mm	460	590	760	920
b	mm	420	550	720	880
c	mm	190	250	260	320
d	mm	390	480	585	685
e	mm	940	1030	1235	1375



FOUR-WAY DISCHARGE

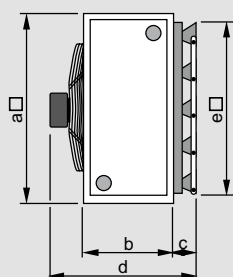
Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	155	155	155	155
c	mm	705	705	805	845

WOLF ACCESSORIES



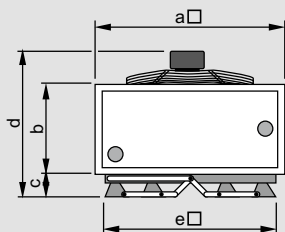
ADAPTOR CONE FOR INDUCTION LOUVRE

Type	Unit size	63	100
a	mm	460	590
b	mm	760	920
c	mm	270	320
d	mm	1040	1130
e	mm	120	120



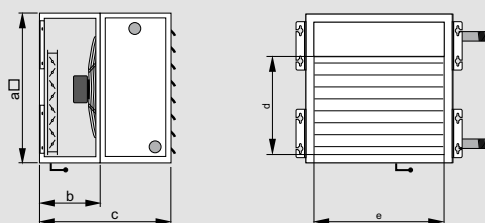
INDUCTION LOUVRE FOR WALL MOUNTED UNIT

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	300	300	340
c	mm	120	120	120	120
d	mm	530	535	540	605
e	mm	460	590	760	920



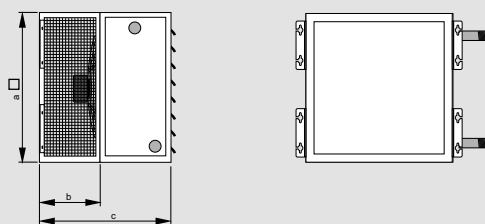
INDUCTION LOUVRE FOR CEILING UNIT

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	300	300	340
c	mm	120	120	120	120
d	mm	530	535	540	605
e	mm	460	590	760	920



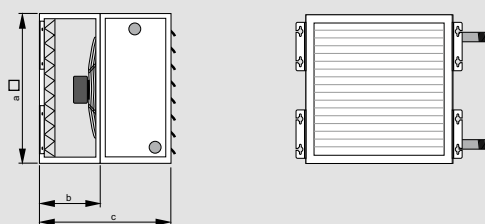
MIXING BOX

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	500	500	500	540
c	mm	800	800	800	880
d	mm	400	360	530	690
e	mm	400	530	700	860



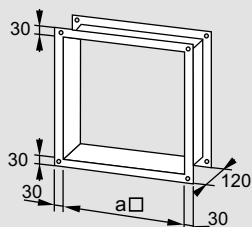
RECIRCULATION AIR BOX WITH LATERAL INTAKE

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	500	500	540
c	mm	600	800	800	880



FILTER BOX

Type	Unit size	25	40	63	100
a	mm	500	630	800	1000
b	mm	300	300	300	340
c	mm	600	600	600	680



CANVAS SOCKETS, 4-HOLE PROFILE FRAME

Type	Unit size	25	40	63	100
a	mm	400	530	700	860

WOLF NOTES

WOLF

WARM AIR CURTAIN UNIT

WARM AIR CURTAIN	02
TL-2	02
Warm air curtain	
CONTROL SYSTEMS / CONTROL ACCESSORIES	03
CONTROL SYSTEMS	03
CONTROL ACCESSORIES	04
ACCESSORIES	05
TECHNICAL DATA	06
DEVICES	06

TL-2 WARM AIR CURTAIN



DG | L52

Warm air curtain device with renewable intake filter

Casing: traffic white RAL 9016

LPHW heat exchanger, copper/aluminium

Standard units without controller*

Fans 230V / 50Hz

Type	Width	1000	1500	2000	2500	3000
TL-2 A10	Art. no.	2138003	2138004	2138005	2138006	2138007
	€	2495.00	3495.00	4005.00	5355.00	6870.00
TL-2 A20	Art. no.	2138008	2138009	2138010	2138011	2138012
	€	2900.00	3570.00	4605.00	5760.00	7465.00
TL-2 A30	Art. no.	2138013	2138014	2138015	2138016	2138017
	€	3260.00	4070.00	5615.00	6345.00	8370.00
TL-2 A40	Art. no.	2138018	2138019	2138020	2138021	2138022
	€	5655.00	6925.00	8590.00	10310.00	13955.00

* A control unit type WTSC 5 is absolutely necessary to operate the air curtain units.



	for product	Art. no.	€	DG
CONTROL SYSTEM WTSC 5 Hardwired programming unit (remote control), control PBC (master) and optional PCB (slave) for 5-stage or variable control of warm air curtain units <ul style="list-style-type: none"> • 5-stage electronic air volume control with key switches for setting the operating parameters • Extendable up to 9 units and controllable in parallel • LEDs to display operational states • Hand/automatic function: room thermostat and/or door contact with adjustable run-on-time • Summer/winter function: control of magnetic valve or pump • Potential-free release, operating and mal-function message to BMS 	TL-2 A10-30	2139635	660.00	L52
CONTROL SYSTEM TYPE WTSC 3-E For warm air curtain units with electric heating coil	TL-2 A10-30	on request		

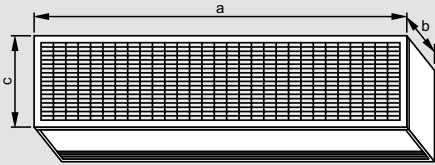
WOLF

CONTROL ACCESSORIES

	for product	Art. no.	€	DG
FROST PROTECTION THERMOSTAT WTF	TL-2 A10-40	2100355	231.00	L52
WTR 2 THERMOSTATIC CONTROL VALVE, LOOSE				
Straight-through valve DN 20 / Kvs 5.0	TL-2 A10-40	2100361	190.00	L52
Right angle valve DN 20 / Kvs 7.0	TL-2 A10-40	2100363	191.00	L52
WTR 3 THERMOSTATIC MIXING VALVE, LOOSE				
Right angle valve DN 20 / Kvs 4.5	TL-2 A10-40	2100371	427.00	L52
Right angle valve DN 25 / Kvs 6.5	TL-2 A10-40	on request		
Right angle valve DN 32 / Kvs 9.5	TL-2 A10-40	on request		
WTAV THERMOSTATIC SHUT-OFF VALVE, LOOSE				
In conjunction with speed/air flow rate controller				
Straight-through valve DN 20 / Kvs 1.1	TL-2 A10-40	2100380	252.00	L52
Right angle valve DN 20 / Kvs 1.1	TL-2 A10-40	2100381	252.00	L52

	for product	Art. no.		
STEAM HEAT EXCHANGER	TL-2	on request		
ELECTRIC HEAT EXCHANGER	TL-2	on request		
WDH 4 CEILING MOUNTING KIT	TL-2 A10/1000, TL-2 A10/1500, TL-2 A10/2000, TL-2 A20/1000, TL-2 A20/1500, TL-2 A20/2000, TL-2 A30/1000, TL-2 A30/1500, TL-2 A30/2000, TL-2 A40/1000, TL-2 A40/1500, TL-2 A40/2000	2100358	84.00	L52
WDH 6 CEILING MOUNTING KIT	TL-2 A10/2500, TL-2 A10/3000, TL-2 A20/2500, TL-2 A20/3000, TL-2 A30/2500, TL-2 A30/3000, TL-2 A40/2500, TL-2 A40/3000	2100359	122.00	L52

WOLF
DEVICES



DIMENSIONS							
TL-2	A10-30/		1000	1500	2000	2500	3000
a	mm		1000	1500	2000	2500	3000
b	mm		555	555	555	555	555
c	mm		260	260	260	260	260
TL-2	A40/		1000	1500	2000	2500	3000
a	mm		1000	1500	2000	2500	3000
b	mm		610	610	610	610	610
c	mm		290	290	290	290	290

WOLF

CEILING FAN

CEILING FAN		02
LD 15	Ceiling fan	02
CONTROL SYSTEMS		03



LD 15 CEILING FAN

DG | L50

Ceiling fan for high air circulation rate and low power consumption.

Low noise operation.

Energy saving through warm air recirculation in winter mode; cooling in summer mode; long service life and high operational reliability.

Ceiling fan, overall height 690mm	Art. no.	2240050
Impeller diameter 142cm	€	215.00
Protection class IP20		

shorter or longer suspension rods		
overall height 440mm	Art. no.	on request
Protection class IP54	€	on request
With protection grille		
Air throw up to 20m room height		

Actuation also possible via ventilation module LM1 and LM2.

WOLF CONTROL SYSTEMS



WARM AIR RETURN CONTROLLER

230 V / 50 Hz, max. switching current 8 A [4 A motor power] 1 changeover contact, relay contact

Art. no. € DG

2701060 452.00 L50



VARIABLE SPEED CONTROLLER

230V / 50Hz for max. five ceiling fans

Max. switching current 1.5 A

2744439 231.00 L50

Max. switching current 3.0 A

2701062 238.00 L50

WOLF

SMOKE EXTRACT FAN

SMOKE EXTRACT FAN		02
ER	Smoke extract fan	02
ACCESSORIES		04



ER SMOKE EXTRACT FAN

DG | L53

Smoke extract fan

RDM 57: 600 °C / 120 min.

RDM 56: 400 °C / 120 min.

	Air flow rate m³/h		56	57
2531-4D-10	2200	Art. no.	2136849	2136826
		€	2020,00	2205,00
2528-2W-11	3300	Art. no.	2136848	2136825
		€	1975,00	2145,00
3535-4D-10	3370	Art. no.	2136850	2136827
		€	2145,00	2325,00
3540-4D-10	4700	Art. no.	2136851	2136828
		€	2195,00	2355,00
3545-4W-13	5750	Art. no.	2136852	2136829
		€	2295,00	2505,00
4556-6W-13	7300	Art. no.	2136857	2136834
		€	3045,00	3300,00
4550-4W-16	9450	Art. no.	2136854	2136831
		€	2800,00	3035,00
4556-4W-17	11400	Art. no.	2136856	2136833
		€	3250,00	3505,00
5663-6W-16	11900	Art. no.	2136859	2136836
		€	4050,00	4310,00
5663-HD-19	11900/5900	Art. no.	2136860	2136837
		€	4645,00	4890,00
3545-HD-10	3700/1900	Art. no.	2136853	2136830
		€	2550,00	2730,00
4550-HD-14	6200/3000	Art. no.	2136855	2136832
		€	3200,00	3395,00
4556-HD-16	7300/3750	Art. no.	2136858	2136835
		€	3505,00	3765,00

Air flow rate m³/h		56		57
5671-6W-21	14500	Art. no.	2136861	2136838
		€	4570,00	4805,00
7180-8D-21	18800	Art. no.	2136864	2136841
		€	6205,00	6545,00
7180-6W-24	25000	Art. no.	2136863	2136840
		€	6185,00	6525,00
7190-6W-28	33500	Art. no.	2136866	2136843
		€	7715,00	8135,00
9090-4W-31	51900	Art. no.	2136868	2136845
		€	11545,00	12695,00
5671-HD-24	14500/7400	Art. no.	2136862	2136839
		€	5475,00	5715,00
7180-HD-28	25000/12000	Art. no.	2136865	2136842
		€	7190,00	7520,00
7190-HD-26	33500/15800	Art. no.	2136867	2136844
		€	9620,00	10075,00

WOLF ACCESSORIES



ZBS FLAT ROOF UPSTAND 600 °C

External material aluminium; internal casing made from coated sheet steel

for product	Art. no.	€	DG
RDM 56/57 - 25 .. - .. - ..	2136806	495.00	L53
RDM 56/57 - 35 .. - .. - ..	2136807	545.00	L53
RDM 56/57 - 45 .. - .. - ..	2136808	640.00	L53
RDM 56/57 - 56 .. - .. - ..	2136809	695.00	L53
RDM 56/57 - 71 .. - .. - ..	2136810	1010.00	L53
RDM 56/57 - 90 .. - .. - ..	2136811	1790.00	L53



ZBS FLAT ROOF UPSTAND 400 °C

Zinc-plated sheet steel (only in combination with duct connection and RDM 56, otherwise ZBS flat roof upstand 600 °C)

RDM 56 - 25 .. - .. - ..	2136537	279.00	L53
RDM 56 - 35 .. - .. - ..	2136538	300.00	L53
RDM 56 - 45 .. - .. - ..	2136539	356.00	L53
RDM 56 - 56 .. - .. - ..	2136540	456.00	L53
RDM 56 - 71 .. - .. - ..	2136541	570.00	L53
RDM 56 - 90 .. - .. - ..	2136817	1505.00	L53



ZKE INTAKE CONNECTOR (FLEXIBLE CONNECTION PIECE)

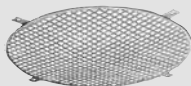
RDM 56/57 - 25 .. - .. - ..	2136818	254.00	L53
RDM 56/57 - 35 .. - .. - ..	2136819	351.00	L53
RDM 56/57 - 45 .. - .. - ..	2136820	412.00	L53
RDM 56/57 - 56 .. - .. - ..	2136821	525.00	L53
RDM 56/57 - 71 .. - .. - ..	2136822	710.00	L53
RDM 56/57 - 90 .. - .. - ..	2136823	1720.00	L53



ZKF INTAKE FLANGE / MATING FLANGE

Zinc-plated sheet steel

RDM 56/57 - 25 .. - .. - ..	2136698	27.80	L53
RDM 56/57 - 35 .. - .. - ..	2136699	31.10	L53
RDM 56/57 - 45 .. - .. - ..	2136700	49.00	L53
RDM 56/57 - 56 .. - .. - ..	2136701	57.00	L53
RDM 56/57 - 71 .. - .. - ..	2136702	79.00	L53
RDM 56/57 - 90 .. - .. - ..	2136824	170.00	L53



ZSG CONTACT PROTECTION GRILLE

RDM 56/57 - 25 .. - .. - ..	2136682	49.00	L53
RDM 56/57 - 35 .. - .. - ..	2136683	57.00	L53
RDM 56/57 - 45 .. - .. - ..	2136684	70.00	L53
RDM 56/57 - 56 .. - .. - ..	2136685	90.00	L53
RDM 56/57 - 71 .. - .. - ..	2136686	104.00	L53
RDM 56/57 - 90 .. - .. - ..	2136687	161.00	L53



ZDS UPSTAND SILENCER

Coated sheet steel

RDM 56/57 - 25 .. - .. - ..	2136721	1010.00	L53
RDM 56/57 - 35 .. - .. - ..	2136722	1225.00	L53
RDM 56/57 - 35 .. - .. - ..	2136723	1585.00	L53
RDM 56/57 - 56 .. - .. - ..	2136724	2100.00	L53
RDM 56/57 - 71 .. - .. - ..	2136725	3395.00	L53



ESH 21 INSPECTION SWITCH

for product	Art. no.	€	DG
RDM 56/57 2528-2W-11	2136668	56.00	L53
RDM 56/57 2531-4D-10			
RDM 56/57 3535-4D-10			
RDM 56/57 3540-4D-10			
RDM 56/57 3545-4W-13			
RDM 56/57 4550-4W-16			
RDM 56/57 4556-4W-17			
RDM 56/57 4556-6W-13			
RDM 56/57 5663-6W-16			
RDM 56/57 5671-6W-21			
RDM 56/57 7180-8D-21			
RDM 56/57 3545-HD-10	2136678	103.00	L53
RDM 56/57 4550-HD-14			
RDM 56/57 4556-HD-16			
RDM 56/57 5663-HD-19			
RDM 56/57 5671-HD-24			
RDM 56/57 7180-HD-28			
RDM 56/57 7180-6W-24			
RDM 56/57 7190-6W-28	2136715	149.00	L53
RDM 56/57 7190-HD-26			
RDM 56/57 9090-4W-31	2136804	239.00	L53
RDM 56/57 9090-ID-34	2136805	510.00	L53
RDM 56/57 9090-GD-34			



ARM-1 AUTOMATIC SMOKE DETECTOR

2138101 402.00 L53



AMM-2 AUTOMATIC MULTI SENSOR SMOKE DETECTOR

2138102 447.00 L53



DKM-2K-OR MANUAL PUSHBUTTON DETECTOR

2138100 142.00 L53



AES - EXHAUST AIR AND SMOKE EXTRACTION CONTROLS

As per VMDA 24177 for ventilating rooms and smoke extraction in the event of a fire
Reduction safety through TÜV assessments, robust plastic casing

- For one or two-stage fan motors up to 45 kW
- Ventilation valve controls
- Motor protection shutdown during smoke extraction
- Push button and smoke detector connection
- Fire services switch connection

for product	Art. no.	€	DG
RDM 56/57 2528-2W-11	2138800	3265.00	L54
RDM 56/57 2531-4D-10			
RDM 56/57 3535-4D-10			
RDM 56/57 3540-4D-10			
RDM 56/57 3545-4W-13			
RDM 56/57 4550-4W-16			
RDM 56/57 4556-4W-17			
RDM 56/57 4556-6W-13			
RDM 56/57 5663-6W-16			
RDM 56/57 5671-6W-21			
RDM 56/57 7180-8D-21			
RDM 56/57 3545-HD-10	2138801	3995.00	L54
RDM 56/57 4550-HD-14			
RDM 56/57 4556-HD-16			
RDM 56/57 5663-HD-19			
RDM 56/57 5671-HD-24			
RDM 56/57 7180-6W-24	2138802	4235.00	L54
RDM 56/57 7180-MD-28			
RDM 56/57 7180-MD-28	2138803	4615.00	L54
RDM 56/57 7190-6W-28	2138804	4915.00	L54
RDM 56/57 7190-HD-26	2138805	5175.00	L54
RDM 56/57 9090-4W-31	2138806	6805.00	L54

WOLF

ROOF EXTRACT FAN

ROOF EXTRACT FAN		02
DV-2	Roof extract fan	02
ACCESSORIES		03
ACCESSORIES		03



DV-2 ROOF EXTRACT FAN

DG | L54

Roof extract fans with fitted repair switch, for extracting stale air from rooms.

Casing made from 100 % recyclable plastic, colour: light grey (RAL 7035)

With energy saving EC fans, variable speed control.

	Air flow rate m³/h		230V	400V
225	2000	Art. no.	2138620	2138621
		€	2250,00	2525,00
250	3300	Art. no.	2138622	2138623
		€	2505,00	2730,00
315	4500	Art. no.	2138624	
		€	2640,00	
315	5000	Art. no.		2138625
		€		2865,00
400	5200	Art. no.		2138626
		€		3370,00
450	7000	Art. no.		2138627
		€		3695,00
500	13000	Art. no.		2138628
		€		5650,00



FLAT ROOF UPSTAND
 For flat roof installation
 plastic, RAL 7035, with insulation
 Height: 200 mm

for product	Art. no.	€	DG
DV-2-225	2138630	385.00	L54
DV-2-250/DV-2-315	2138631	402.00	L54
DV-2-400	2138632	525.00	L54
DV-2-450	2138633	600.00	L54
DV-2-500	2138634	710.00	L54



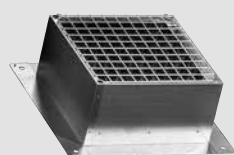
For flat roof installation
 plastic, RAL 7035
 Integration of a silencer possible

Height 500 mm	DV-2-225	2138635	440.00	L54
Height 500 mm	DV-2-250/DV-2-315	2138636	555.00	L54
Height 500 mm	DV-2-400	2138637	695.00	L54
Height 700 mm	DV-2-450	2138638	930.00	L54
Height 700 mm	DV-2-500	2138639	1140.00	L54



AUTOMATIC COVER FLAP FOR FLAT ROOF UPSTAND
 Galvanised sheet steel with plastic blades

DV-2-225	2138640	205.00	L54
DV-2-250/DV-2-315	2138641	248.00	L54
DV-2-400	2138642	323.00	L54
DV-2-450	2138643	346.00	L54
DV-2-500	2138644	476.00	L54



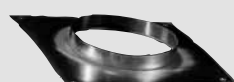
AUTOMATIC COVER FLAP FOR TALL FLAT ROOF UPSTAND
 Galvanised sheet steel with plastic blades

DV-2-225	2138645	205.00	L54
DV-2-250/DV-2-315	2138646	248.00	L54
DV-2-400	2138647	323.00	L54
DV-2-450	2138648	346.00	L54
DV-2-500	2138649	476.00	L54



INTAKE SILENCER
 Zinc-plated sheet steel
 for installation on intake side of roof extract fan
 Combination possible with flat roof upstand
 and tall flat roof upstand

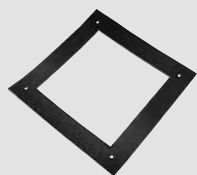
DV-2-225	2138650	402.00	L54
DV-2-250/DV-2-315	2138651	499.00	L54
DV-2-400	2138652	675.00	L54
DV-2-450	2138653	740.00	L54
DV-2-500	2138654	1020.00	L54



DUCT CONNECTING PLATE
 Zinc-plated sheet steel
 for connection of a round duct

Ø 200	DV-2-225	2138655	108.00	L54
Ø 250	DV-2-225	2138656	108.00	L54
Ø 250	DV-2-250/DV-2-315	2138657	118.00	L54
Ø 315	DV-2-250/DV-2-315	2138658	118.00	L54
Ø 355	DV-2-400	2138659	144.00	L54
Ø 400	DV-2-400	2138660	144.00	L54
Ø 400	DV-2-450	2138661	168.00	L54
Ø 450	DV-2-450	2138662	172.00	L54
Ø 560	DV-2-500	2138663	205.00	L54

WOLF ACCESSORIES



SEALING PLATE

Made from weather-resistant, closed-cell plastic for sealing the roof extract fan base, silencer and flat roof upstand

for product	Art. no.	€	DG
DV-2-225	2138664	28.10	L54
DV-2-250/DV-2-315	2138665	37.40	L54
DV-2-400	2138666	42.00	L54
DV-2-450	2138667	46.00	L54
DV-2-500	2138668	70.00	L54



CONNECTION PIECE

Zinc-plated sheet steel to provide an airtight connection to the silencer/cover flap

DV-2-225	2138669	130.00	L54
DV-2-250/DV-2-315	2138670	168.00	L54
DV-2-400	2138671	176.00	L54
DV-2-450	2138672	193.00	L54
DV-2-500	2138673	248.00	L54



VARIABLE SPEED CONTROLLER

For variable operation of one or more units with EC motor (0 - 10 V)

DV-2	2745937	100.00	L54
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WOLF

COMFORT VENTILATION UNITS

COMPACT LARGE AREA VENTILATION UNIT	02
CGL Compact large area ventilation unit	02
WRS CONTROL SYSTEMS / CONTROL ACCESSORIES	03
ACCESSORIES	04
ACCESSORIES	04
INTAKE / DISCHARGE ACCESSORIES	05
COMMISSIONING	06
TECHNICAL DATA	07
CGL	07
AIRPURIFIER	08
ACCESSORIES	09
COMPACT UNITS	10
TECHNICAL DATA	12
CFL UNIT VERSIONS	12
CKL EVO UNIT VERSIONS	13
POSSIBLE UNIT DESIGN VERSIONS	13
CRL-ID UNIT VERSIONS	14
CRL-IDH UNIT VERSIONS	15
CRL-IH UNIT VERSIONS	16
CRL-A UNIT VERSIONS	17
SWIMMING POOL UNIT	18
CKL-POOL	18
CKL-POOL UNIT VERSIONS	19



CGL COMPACT LARGE AREA VENTILATION UNIT



RG | L55

TYPE	CGL	
Recommended air volume	m ³ /h	600
with externally available duct pressure of approx.	Pa.	550
Power consumption		
with an air volume of 500m ³ /h	W	90
with an air volume of 600m ³ /h	W	135
Sound pressure level 1 m in front of the device		
with an air volume of 500m ³ /h	dB(A)	37
with an air volume of 600m ³ /h	dB(A)	40
Dimensions		
Width	mm	1017
Depth	mm	508
Height	mm	2137
Weight basic unit	kg	250

CGL le	Art. no.	6800147
	€	10775.00
CGL ri	Art. no.	6802057
	€	10775.00

Note: Only possible in connection with BML ventilation control module for CGL.

The compact large area ventilation unit offers energy saving and convenient ventilation all year round.

Suitable for classrooms, preschools, conference rooms, club premises, open plan offices and restaurants.

Compact, inherently stable, height-adjustable casing made from powder-coated sheet steel (traffic white RAL 9016)

High efficiency, high performance radial fans with single sided intake for supply and extract air, variable speed control via latest EC motor technology with low energy consumption

High efficiency cross- and countercurrent heat exchanger made from aluminium for heat recovery. Heat is extracted from the extract air and transferred to the fresh air. With integral bypass for night

ventilation in summer.

Microprocessor-based control for fans, heat recovery and temperature, wired as standard

Base for BML ventilation programming unit for CGL fitted and wired in the unit

Flow-optimised splitter silencer for supply and extract air

Easily replaceable compact panel filters:
ISO ePM1 55 % (F7) supply air filter - fine dust and pollen filter
ISO ePM10 60 % (M5) extract air filter - fine dust filter

WOLF

WRS CONTROL SYSTEMS / CONTROL ACCESSORIES



BML VENTILATION PROGRAMMING UNIT FOR CGL

- Only one BML ventilation control module for CGL is needed to actuate up to 7 CGL devices
- Mounted optionally in the CGL device or in the wall holder as a remote control

Art. no.	€	DG
6800152	422.00	L55



WALL MOUNTING BASE

Wall mounting base for using the BML programming unit as a remote control

2744275	32.40	H41
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CO2 SENSOR

Required for CO₂-controlled operation
Fully wired, as control variable for the CO₂-dependent control

6800124	565.00	L55
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WOLF ACCESSORIES



CONDENSATE PUMP

Required if no free condensate drain is possible

Consisting of:

Fully wired condensate pump, float switch, alarm generator and bracket, up to 30 l/h and PVC hose 8 mm [5 m long]

Art. no.

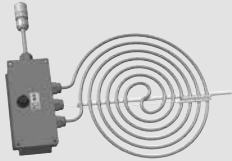
€

DG

6800122

302.00

L55



ELECTRIC PREHEATING COIL

Recommended for optimised appliance operation

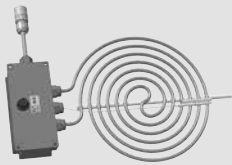
Fully wired electric heating coil with high limit safety cut-out and bracket to protect the outdoor air filter against moisture penetration or as frost protection for the heat recovery system

Output 1000 W

6807205

391.00

L55



ELEKTRISCHES NACHHEIZREGISTER, STUFENLOS

zur Erhöhung der Zulufttemperatur bei niedrigen Außentemperaturen

optional im Gerät integrierbar, elektrisch steckbar ausgeführt

Leistung 1000 W

6807206

391.00

L55



TUBULAR END DAMPER DN 250, MOTORISED [230 V; OPEN/CLOSE]

Servomotor for connection on site

2576453

565.00

L55



TUBULAR SILENCER DN 250

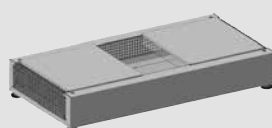
Length: 600 mm

All-round insulation 50 mm [attenuation 6 dB / 250 Hz]

2137635

297.00

L55

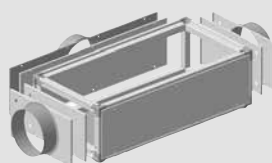
**INTAKE SILENCER**

To attenuate the intake noise by up to 5 dB with height-adjustable feet.

Reduction of the total sound level 1 m in front of the CGL by up to 3 dB.

Intake: left and right-hand side or back

for product	Art. no.	€	DG
	6800994	675.00	L55

**UNIVERSAL INTAKE SECTION**

With height-adjustable feet.

Intake:

Left/right-hand side, back Ø 250 mm

Left/right-hand side 205 x 408 mm

Back 205 x 915 mm

	6800995	1445.00	L55
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**VERTICAL DISCHARGE SECTION WITH PIPE DAMPER**

With sound attenuating casing.

Discharge grille horizontally and vertically adjustable.

Pipe damper connection Ø 250 mm with servomotor 230 V open/close 5 Nm.

CGL li	6801000	2050.00	L55
CGL re	6802067	2050.00	L55

VERTICAL DISCHARGE SECTION

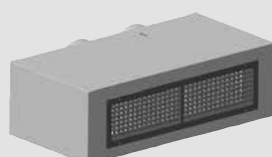
With sound attenuating casing.

Discharge grille horizontally and vertically adjustable.

Terminal box (230 V) for on-site pipe dampers

Pipe connection Ø 250 mm

CGL li	6800996	1070.00	L55
CGL re	6802068	1070.00	L55

**HORIZONTAL DISCHARGE SECTION**

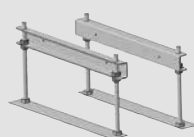
With sound attenuating casing.

Discharge grille horizontally and vertically adjustable.

Terminal box (230 V) for any on-site pipe dampers

Pipe connection Ø 250 mm

CGL li	6800997	1185.00	L55
CGL re	6802069	1185.00	L55

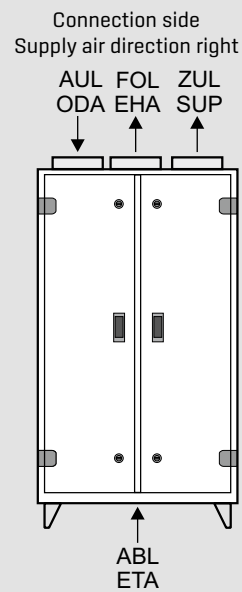
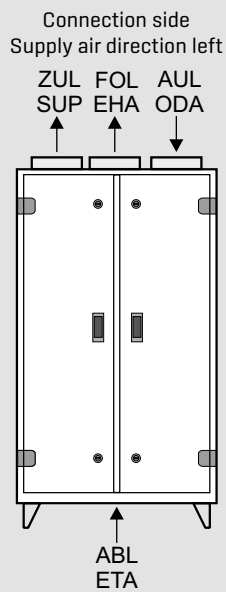
**LIFTING GEAR**

For retrofitting the intake silencer

	6800952	191.00	L55
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WOLF
COMMISSIONING

	Art. no.	€	DG
COMMISSIONING OF 1 BASIC DEVICE Appointment necessary (at least 8 working days before actual commissioning)	99799	464.00	99
Net price			
COMMISSIONING OF FURTHER ACCESSORIES Heating or cooling or multiple units	on request		



CGL COMFORT LARGE AREA VENTILATION UNIT

Type	CGL	1100
Wide	mm	1017
Depth	mm	508
Height	mm	2137



AIRPURIFIER

NEW



RG | L58

TYPE	AirPurifier	
Air volume	m ³ /h	200 - 1200
Max. power consumption	W	18 - 275
Sound pressure level 1 m*		
with an air volume of 700 m ³ /h	dB[A]	34
with an air volume of 1000 m ³ /h	dB[A]	39
with an air volume of 1200 m ³ /h	dB[A]	42
Dimensions		
Width	mm	712
Depth	mm	508
Height	mm	2354
Weight	kg	218

Art. no. 6809002

€ 2950.00

* according to DIN EN ISO 11203

Plug&Play: 230 V socket connection, practical power connection cable with 300 m length, no structural measures necessary, one-time and simple adjustment to room size

Safe: Tilt-proof due to prepared wall fastening

User-friendly: Simple operation with only 3 operating modes (normal, auto and boost mode)

Combinable: When using several units, significantly larger rooms are also possible

Odor neutralization thanks to pre-stage with activated carbon combi-filter.

VDI 6022 compliant: state of the art with regard to hygiene requirements for room air conditioning systems and units

Filter change indicator for each filter incl. test function.

Double filter stage with activated carbon filter ISO ePM1 65% n. ISO 16890 as pre-filter and high-performance filter HEPA H14 according to DIN 1822 as second filter stage for filtering > 99.995 % of particles such as bioaerosols

Air outlet at a height of 230 cm protects people from unpleasant drafts and ensures optimal distribution of filtered air in the room.

Super-quiet operation - sound pressure level* of 34 dB[A] (in standard operation) in typical classrooms

Pause boost function for increased air circulation.

Presence detection with run-on time to avoid unnecessary operation at night or on weekends.



STICKER-SET different designs

High school, secondary school and middle school	4801743	9.25	L58
Play school	4801744	9.25	L58
Elementary school	4801745	9.25	L58
Gastronomy	4801746	9.25	L58

PREFILTER EPM1 65 % (F7 CARBON) incl. disposal bag	6809108	180.00	L58
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MAINTENANCE SET WITH ADDITIONAL EQUIPMENT consisting of: 1x each pre-filter ePM1 65 % (F7 Carbon) and H14 HEPA filter, protective suit, mask, gloves and 2 x disposal bags	6809109	415.00	L58
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MAINTENANCE SET WITHOUT ADDITIONAL EQUIPMENT consisting of: 1x each pre-filter ePM1 65 % (F7 Carbon) and H14 HEPA filter and 2 x disposal bags	6809110	408.00	L58
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COMMISSIONING AIRPURIFIER (incl. insertion, assembly and disposal of packaging)	99750	250.00	99
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INSTRUCTION SERVICE FOR ONE AIRPURIFIER Prerequisite: Device has been brought in, mounted and is in operation Scope of services: Checking the settings, instruction, protocol	99257	211.00	99
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Note: If the service is needed on multiple devices at the same location then a sliding scale price can be offered on request.

MAINTENANCE PACKAGE 1
Scope of services: Function-maintaining cleaning, function test, Filter change of the pre-filter, protocol, incl. pre-filter activated carbon ePM1 65 %.

1 AirPurifier	99258	435.00	99
For each additional device at the same location	99259	255.00	99

Note: If so many units are to be serviced at one location, that further journeys are necessary, then an object-related offer can be made.

MAINTENANCE PACKAGE 2
Scope of services: Function-maintaining cleaning, function test, filter change Pre-filter and HEPA HEPA filter, protocol, incl. pre-filter Activated carbon ePM1 65 % and HEPA HEPA filter H14

1 AirPurifier	99442	630.00	99
For each additional device at the same location	99443	473.00	99

Note: If so many units are to be serviced at one location, that further journeys are necessary, then an object-related offer can be made.

For inquiries about other services, please contact our service department at service@wolf.eu.

SCOPE OF SUPPLY - COMPACT UNITS

OVERVIEW

SLIMLINE UNITS WITH HEAT RECOVERY

700 - 3.200 m³/h



CFL-WRG

Slimline ventilation unit
with heat recovery
incl. control unit

Various options



700 - 3.500 m³/h



**CFL-EC-ZUL
CFL-EC-ABL**

Supply and extract air unit
slimline design
optionally with control unit

Various options



COMPACT UNITS WITH PLATE HEAT EXCHANGER

700 - 6.100 m³/h



**CKL-A evo,
CKL-iH evo,
CKL-iV evo**



Outdoor unit and indoor unit
Various options
incl. control unit

New evo-series including extensive developments

Various options i.e. Clima-Split-System, heating and cooling coil, silencer
and much more

COMPACT UNITS WITH HEAT WHEEL EXCHANGER

700 - 9.000 m³/h



**CRL-A, CRL-iD
CRL-iH, CRL-IDH**

Outdoor unit and indoor unit
in verschiedenen Ausführungen
incl. control unit

Various options i.e. Clima-Split-System, heating and cooling coil,
silencer and much more

Patented labyrinth sealing with a tightness of 98 %



9.000 - 19.500 m³/h



**CRL-A evo max
CRL-iH evo max**

Outdoor unit and indoor unit
in horizontalen Ausführungen
incl. control unit

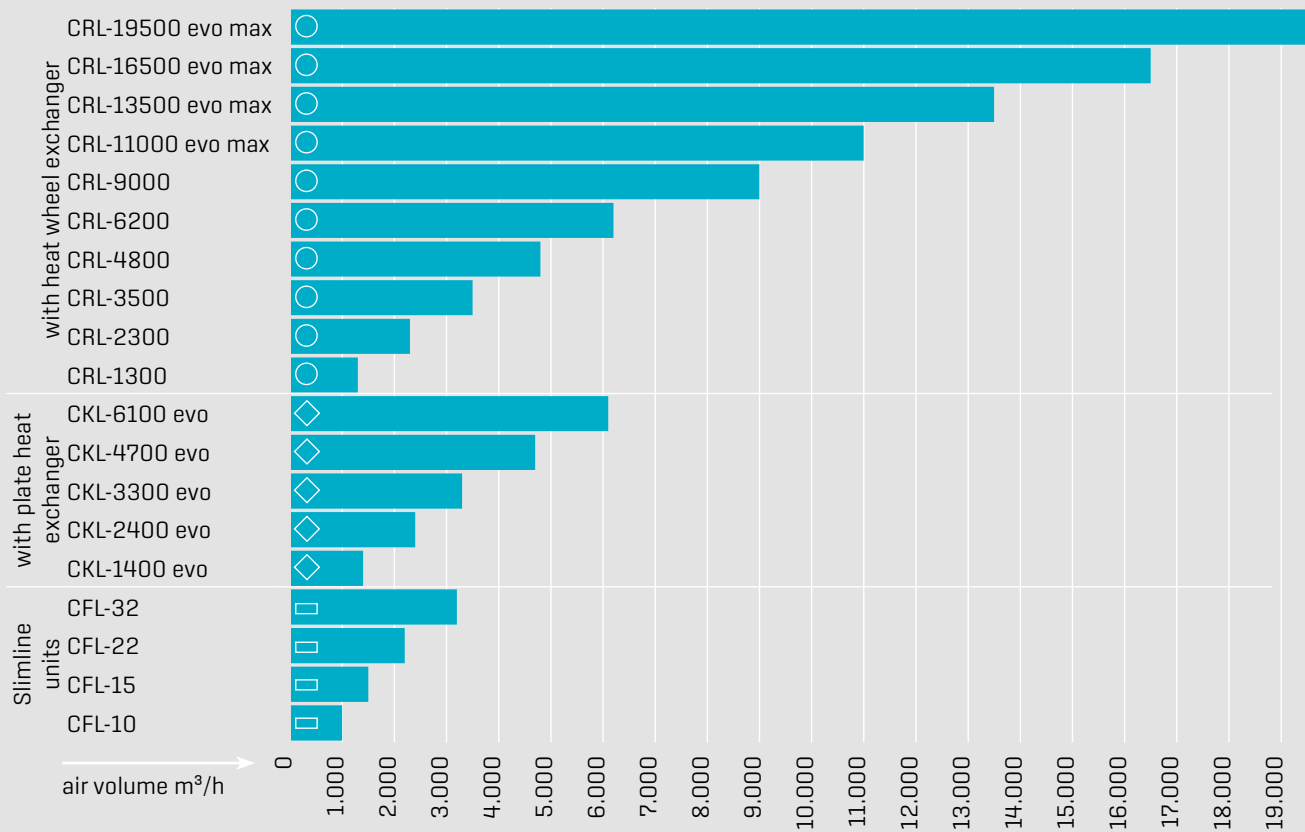
Various options i.e. Clima-Split-System, heating and cooling coil,
silencer and much more

Patented labyrinth sealing with a tightness of 98 %



WOLF

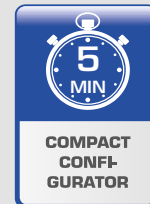
COMPACT UNITS DESCRIPTION



EASY SELECTION OF COMPLETE UNITS USING THE 5-MINUTES COMPACT CONFIGURATOR

Only a few clicks to a complete compact unit configuration.

Issuance of detailed selections and documents, i.e.: - Drawings in various formats
- Various data sheets
- Specification texts
- BIM-data and much more

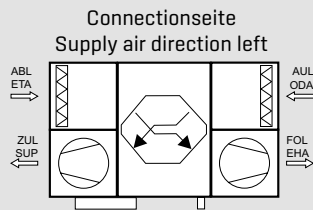


<https://konfig.wolf.eu/cweb/?en>



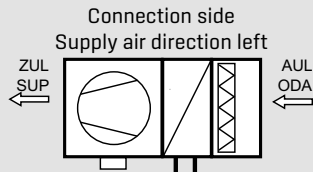
WOLF

CFL UNIT VERSIONS



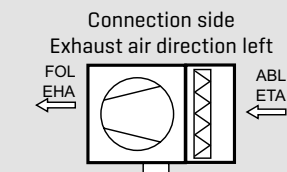
CFL-WRG COMBINED SUPPLY AND EXTRACT AIR UNIT

Type	CFL	10-WRG	15-WRG	22-WRG	32-WRG
Lenght	mm	1322	1322	1525	1932
Depth	mm	1017	1423	1830	1932
Hight	mm	367	367	411	495



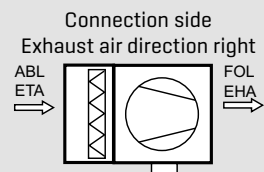
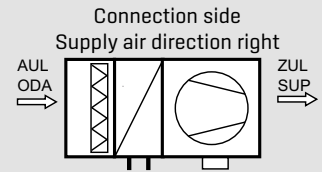
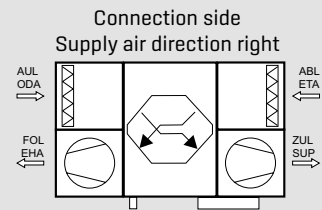
CFL-EC-ZUL SUPPLY AIR UNIT

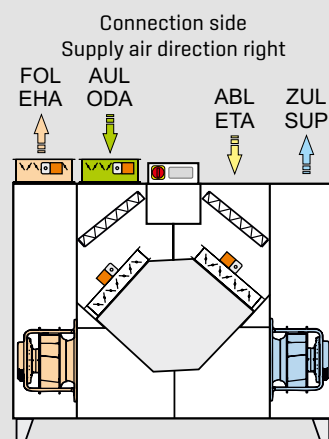
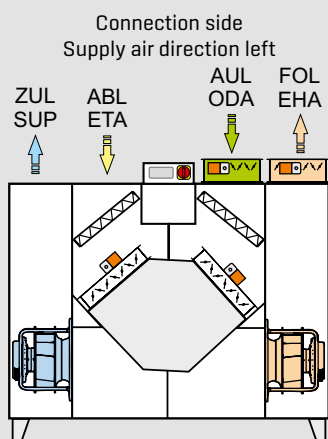
Type	CFL	10-EC-ZUL	15-EC-ZUL	22-EC-ZUL	32-EC-ZUL
Lenght	mm	712	712	813	813
Depth	mm	508	712	915	966
Hight	mm	367	367	411	495



CFL-EC-ZUL SUPPLY AIR UNIT, SHORT

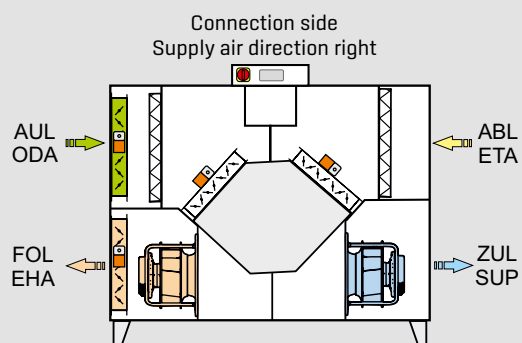
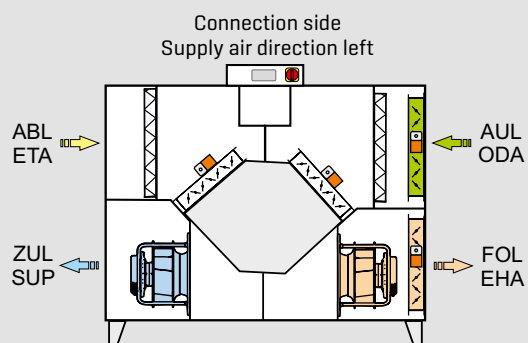
Type	CFL	10-EC	15-EC	22-EC	32-EC
Lenght	mm	508	508	610	610
Depth	mm	508	712	915	966
Hight	mm	367	367	411	495





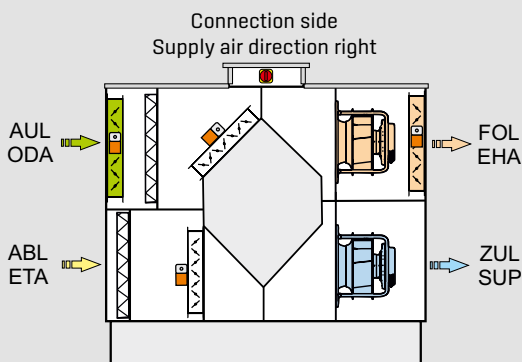
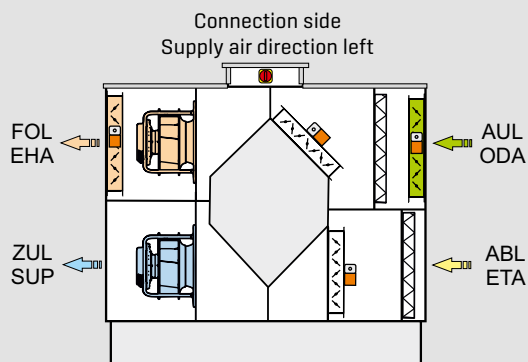
CKL-IVEVO COMBINED SUPPLY AND EXTRACT AIR UNIT

Typ	CKL-iV evo	1400	2400	3300	4700	6100
Länge	mm	1525	2033	2033	2237	2237
Tiefe	mm	750	750	1360	1360	1665
Höhe	mm	1315	1720	1720	1749	1749



CKL-IHEVO COMBINED SUPPLY AND EXTRACT AIR UNIT

Typ	CKL-iH evo	1400	2400	3300	4700	6100
Länge	mm	1525	2033	2033	2337	2337
Tiefe	mm	750	750	950	1360	1665
Höhe	mm	1309	1716	1716	1716	1716



CKL-A EVO COMBINED SUPPLY AND EXTRACT AIR UNIT

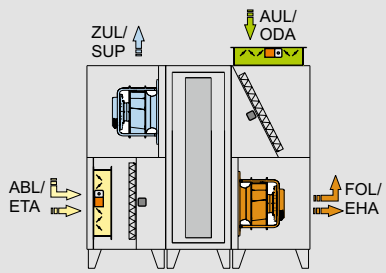
Typ	CKL-A evo	1400	2400	3300	4700	6100
Length	mm	1905	2573	2573	2780	2780
Depth	mm	815	815	1017	1425	1730
Height	mm	1455	1860	1860	1860	1860

WOLF

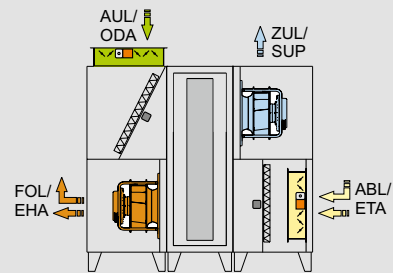
CRL-ID UNIT VERSIONS

Access side in supply air
direction, left

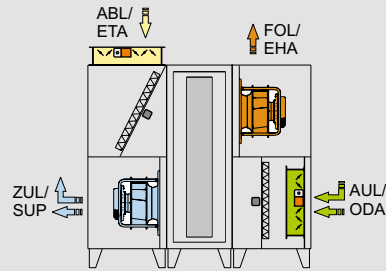
Access side in supply air
direction, right



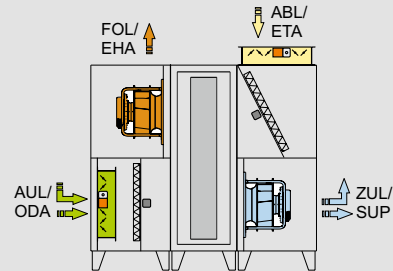
-L1



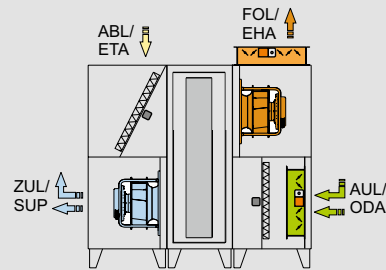
-R1



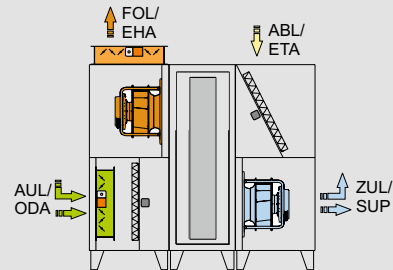
-L2



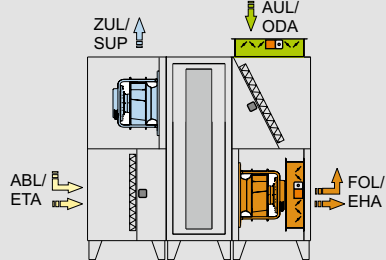
-R2



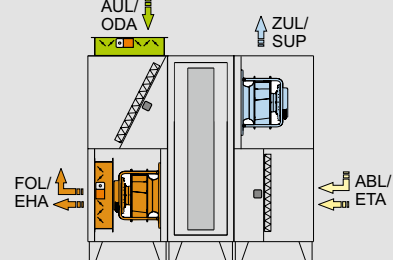
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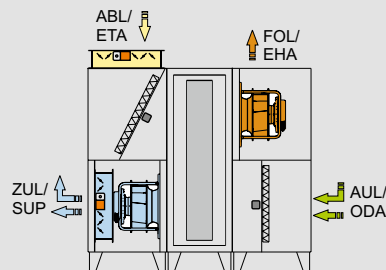
-R3*



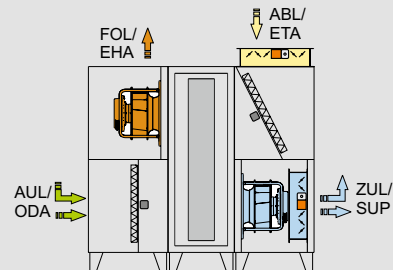
-L4*



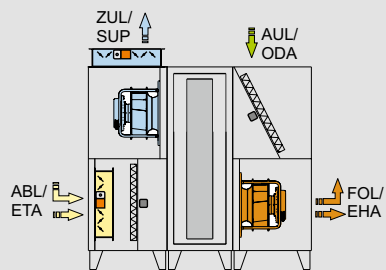
-R4*



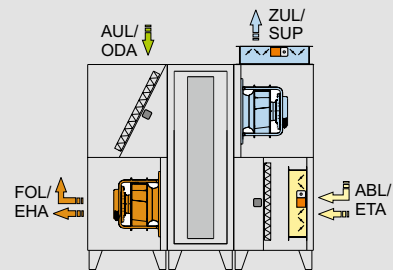
-L5



-R5



-L6

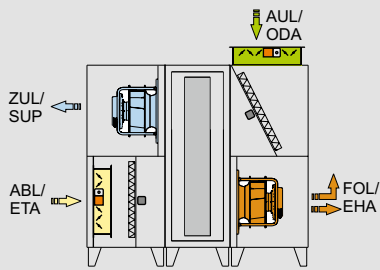


-R6

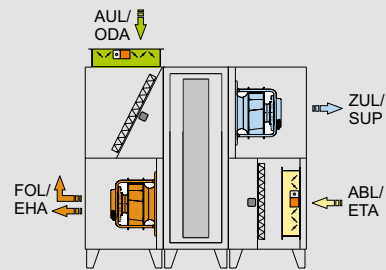
* These options are available for CRL-1300/-2500/-3500 with damper for quick heating.

Access side in supply air
direction, left

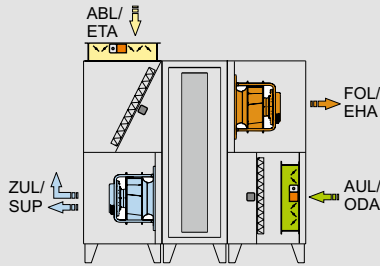
Access side in supply air
direction, right



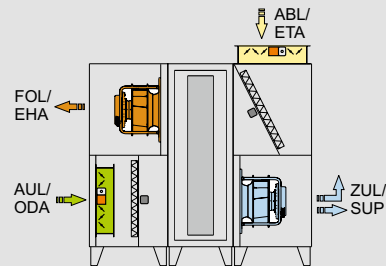
-L1



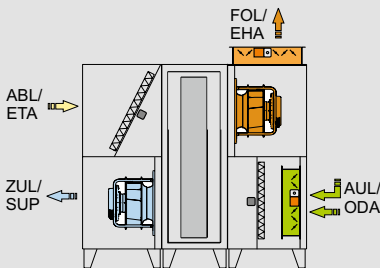
-R1



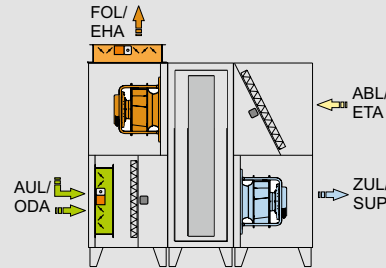
-L2



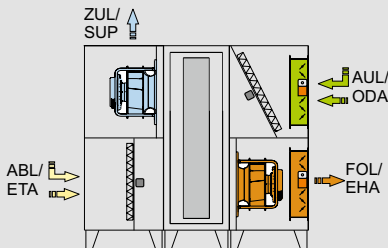
-R2



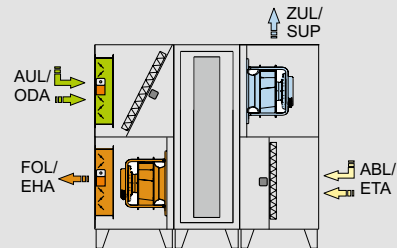
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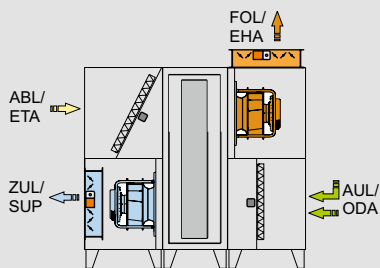
-R3*



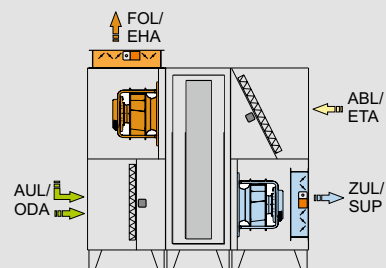
-L4*



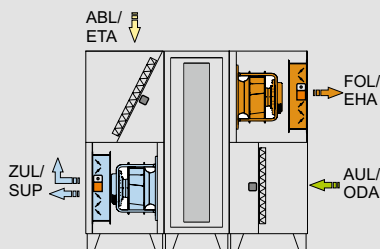
-R4*



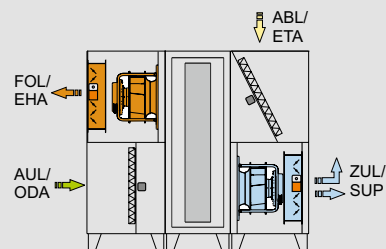
-L5



-R5



-L6



-R6

Other versions available; see the WOLF sizing program.

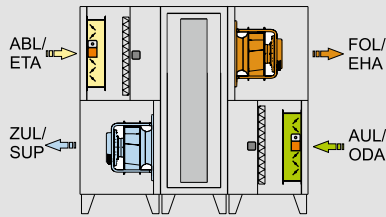
* These options are available for CRL-1300/-2500/-3500 with damper for quick heating.

WOLF

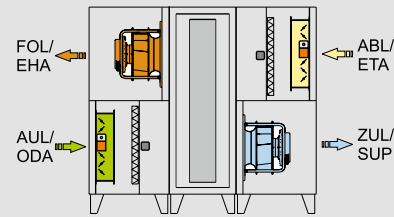
CRL-IH UNIT VERSIONS

Access side in supply air
direction, left

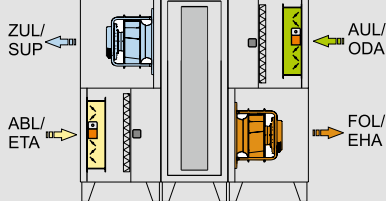
Access side in supply air
direction, right



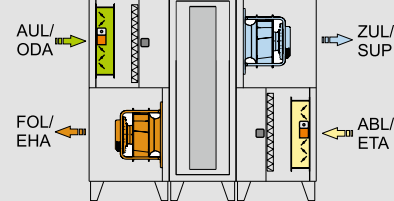
-L1



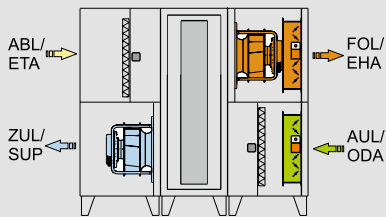
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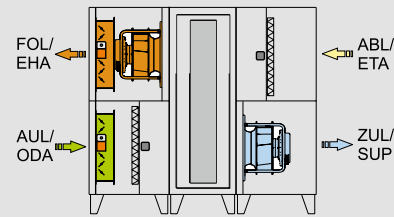
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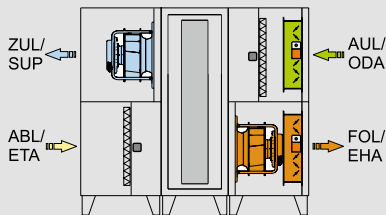
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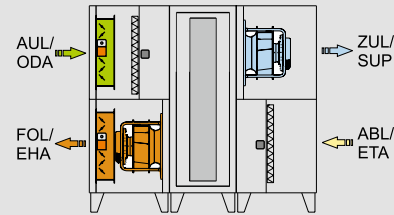
-L3^{1) 2)}



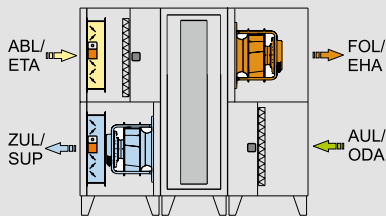
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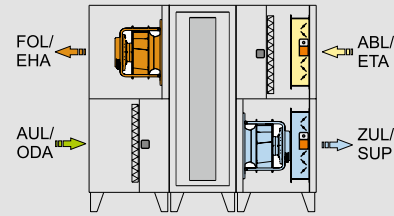
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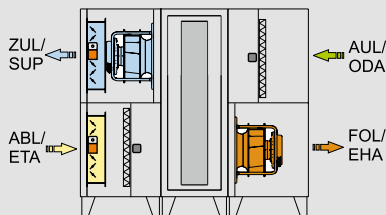
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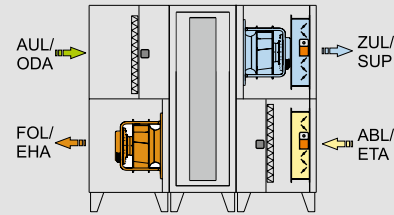
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-R5



-L6

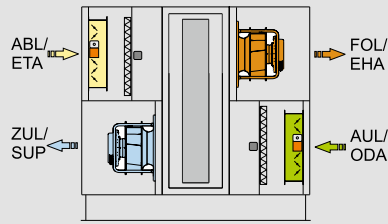


-R6

¹⁾ These options are available for CRL-1300/-2500/-3500 with damper for quick heating.

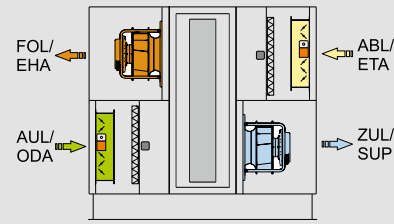
²⁾ These options are exclusively available for unit types CRL-A evo max. Optionally with amper for quick heating.

Access side in supply air
direction, left

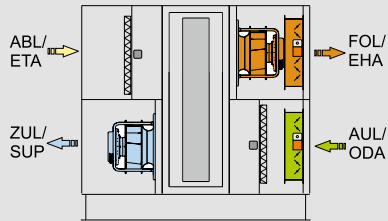


-L1

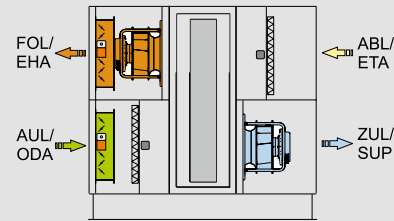
Access side in supply air
direction, right



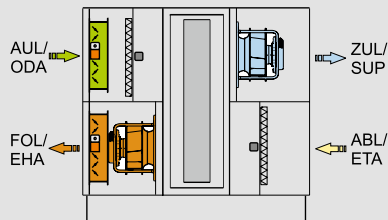
-R1



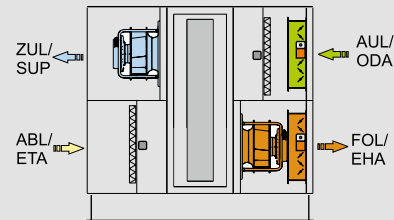
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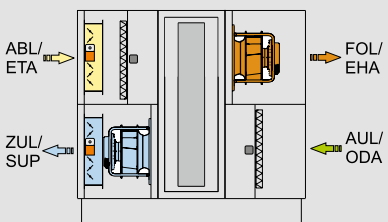
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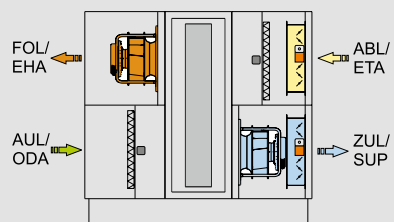
-R4³⁾



-L4³⁾



-L5



-R5

¹⁾ These options are available for CRL-1300/-2500/-3500 with damper for quick heating.

²⁾ Options available for unit types CRL-A evo max. Optionally with amper for quick heating.

³⁾ These options are exclusively available for unit types CRL-A evo max. Optionally with amper for quick heating.



CKL-POOL FOR VENTILATION AND THERMAL CONDITIONING OF SMALL ENCLOSED SWIMMING POOLS

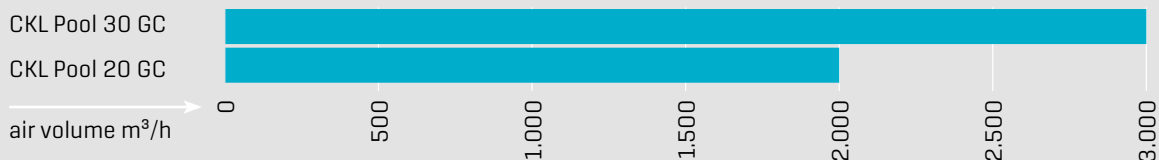
DESCRIPTION

Combined extract and supply air unit with plate heat exchanger made from corrosion-resistant polypropylene, integrated heat pump as standard

Integrated control panel, unit fully wired and ready to connect

Accessories included as standard:

2 x siphon 1¼", 10 x elastomer strip for setting up the unit, control valve and drive for LPHW heating coil

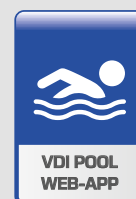


EASY SELECTION OF COMPLETE UNITS USING THE VDI POOL WEB APP

Easy input of all necessary parameters.

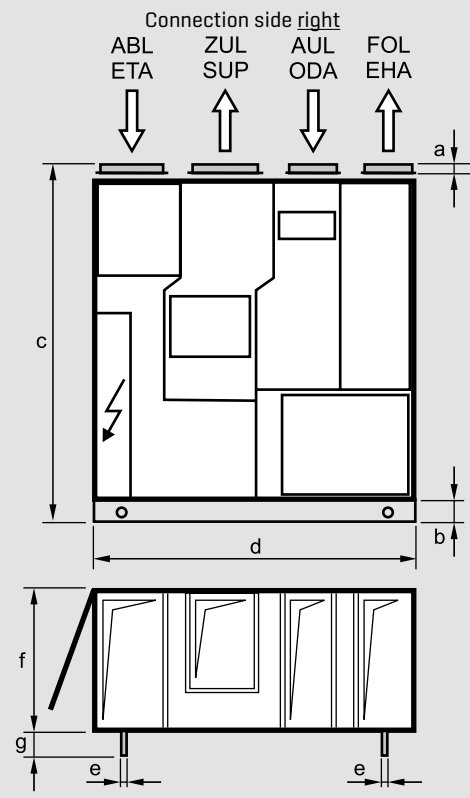
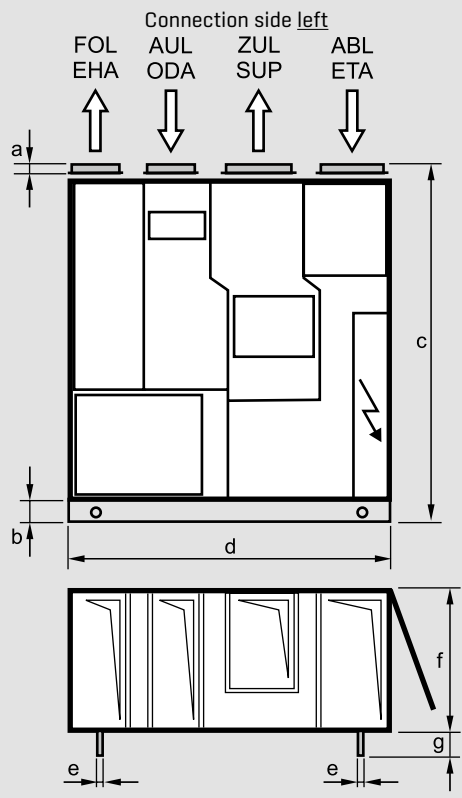
High planning security through comprehensive support with corresponding documents.

Selection in accordance with VDI-regulations (VDI 2089)



<https://wolf.ahuapps.eu/>





COMFORT SWIMMING POOL UNIT CKL-POOL

Type	CKL-Pool	20 GC	30 GC
a	mm	30	30
b	mm	100	100
c	mm	1840	2040
d	mm	1755	2155
e	G"	1¼"	1¼"
f	mm	805	855
g	mm	80	80

GENERAL TERMS AND CONDITIONS

OF WOLF GMBH [AS OF 11/20]

I. GENERAL

The following terms and conditions of sale and delivery shall apply to all business relations between Wolf GmbH and companies within the meaning of §14 (1) of the German Civil Code (BGB), as well as with legal entities under public law or special funds under public law. An entrepreneur is any natural or legal person who is acting in a commercial or independent capacity when concluding the transaction. All orders placed by entrepreneurs, regardless of whether they were placed with Wolf GmbH via the online shop www.wolf.eu/shop or by other means, as well as our deliveries, services and offers to entrepreneurs, shall be based exclusively on these terms and conditions of business. Thus, they shall also apply to all future business relations even if they were not expressly agreed again. These Terms and Conditions shall be considered as accepted on taking delivery of the goods or performance at the latest. General Conditions of Purchase of the buyer are not accepted. In accordance with the provisions of the General Data Protection Regulation (GDPR) and the German Federal Data Protection Act we point to our buyers that we process personal data required for the settlement of business relations by means of EDP and transmit these data only in-house.

II. OFFERS

Our offers are non-binding and without obligation. Contracts for delivery and all other agreements (including subsidiary agreements) as well as declarations of our representatives shall only become legally binding for us after our written confirmation. We do not render planning services. Proposals made and information provided by our representatives shall be non-binding. Illustrations, drawings, dimensions and weights or other performance data shall only be binding if this is expressly agreed in writing.

Business mail printed by data processing systems (e.g. order confirmations, invoices, credit notes and reminders) shall also be legally binding without signature.

III. PRICES

1. Our prices are net ex works or ex stock plus packaging, freight and VAT. With regard to orders without agreed prices, our prices shall apply which are valid according to the price list on the day of delivery.
Part deliveries shall be invoiced separately unless expressly agreed otherwise.
2. We reserve the right to make a corresponding price adjustment in the event of changes of material usage prices and personnel costs until the day of delivery. However, this shall only apply to periods of delivery of more than 4 months and for price adjustments up to 10%. A new price agreement shall be required for higher rates. If such an agreement is not made, we shall be entitled to withdraw from the contract by written notice within 14 days.

IV. TERMS OF PAYMENT

1. If the payment conditions have not been agreed upon conclusion of the contract, the payment terms and payment dates specified in our invoices shall be binding. Deadlines for discounts and periods allowed for payment shall begin to run upon receipt of the invoice.
2. The buyer may only offset his claims which are not contested or became res judicata.
3. We are not obliged to accept bills and cheques. Credit notes for bills and cheques are made with value of the date when we can dispose of the countervalue.
4. We charge default interest in the legal amount in the event of default in payment. Assertion of other damages shall not be excluded. All claims will be due immediately in the event of non-compliance with terms of payment, dishonouring of bills and cheques, cessation of payment or upon circumstances which reduce buyer's credit worthiness or ability to pay. Furthermore, we shall be entitled to execute outstanding deliveries only against advance payment or withdraw from the contract after setting of a reasonable grace period and claim damages instead of performance.
5. Otherwise, the following provisions of item IX shall apply with regard to the claims for damages of the buyer.

V. RESERVATION OF OWNERSHIP

1. Our deliveries are exclusively made with reservation of ownership (conditional commodity). Ownership passes to the buyer not before he redeemed his total liabilities including any balance claims from our goods delivered. The same shall apply if payments are made for specially described claims.
2. Processing or transformation is always made for us as producer, however, without any obligation for us. If goods delivered by us are mixed or linked with other objects, the buyer shall assign the (joint) ownership to us of the corporeal thing created hereby, namely in proportion of the invoice value of our conditional commodity to the invoice value of the other goods used.
3. The buyer may only sell or use our conditional commodity in the ordinary course of business.
Pledging and assignment as security shall be inadmissible. By way of security and to the full extent, the buyer assigns the claims (including any balance claims) to us already now, which arise from resale or any other legal ground (further use, tortious act) with regard to the conditional commodity.
4. The buyer shall be entitled to collection of the claims assigned to us. We may revoke the collection authorization in the event of default, cessation of payment, application to commence insolvency or composition proceedings or any other deterioration of the buyer's assets. The buyer shall notify us immediately about attachments, seizures or any other orders or interferences by third parties.
5. If the buyer defaults, we shall be entitled to demand return of the conditional commodity and get the actual possession of this conditional commodity by own action or authorized representatives, no matter where it is located. The buyer shall be obliged to return the conditional commodity to us. Furthermore, he shall be obliged to supply the information required and deliver documents for the enforcement of our rights.
6. If the realizable value of the securities due to us in accordance with foregoing provisions exceeds the value of our claims by more than 10%, we shall be obliged to release exceeding securities at our option upon buyer's request.

VI. PERIODS OF DELIVERY/DEFAULT

1. Delivery time information is only approximate. We shall only be in default if the performance is due and a written demand for payment was issued. Delivery day is the day of dispatch ex works and ex stock respectively.
 2. Delivery deadlines start with the date of our order confirmation. They do not start, however, prior to clarification of all execution details and all other conditions to be set by the buyer for the proper processing of the contract. The same is valid for delivery dates. Early deliveries are permitted.
 3. We shall also not be liable with regard to bindingly agreed periods and dates in the event of delays in delivery and of performance due to force majeure and events which considerably complicate or make delivery impossible not only temporarily - strike, lockout, breakdown, delay in supply with important raw and auxiliary materials even if the delay occurs at our supplier, in particular. These delays entitle us to postpone delivery for the period of the impediment plus a reasonable start-up period or to withdraw from the contract as a whole or in part.
- If delivery time is extended or we are released from our delivery commitment, the buyer may not derive a claim for damages from it. However, we may only rely on the circumstances mentioned if we notify the buyer immediately.
4. We shall be entitled to make part deliveries. Any part delivery shall be considered as independent transaction.

VII. SHIPMENT

1. Shipment is made for the buyer's account.
2. Mode of shipment and shipping route, transport and packaging and other securities respectively shall be at our choice. We shall be entitled, however, not obliged to insure deliveries in the name and for account of the buyer.
3. Risk passes to the buyer when shipment is handed over to the person performing the transport or left our works and stock respectively for shipment.
4. If the buyer violates their duties to cooperate (e.g. by not timely

GENERAL TERMS AND CONDITIONS

OF WOLF GMBH [AS OF 11/20]

retrieving the goods or by declining acceptance), we are entitled to store the goods at the buyer's costs and risk and to demand compensation for the damages that have been caused so far (in particular storage costs) inclusive additional expenses after an extension of time has passed without any success.

5. After the extension of time has passed without any success, we are also entitled to charge the ordered goods.
6. If the above conditions apply, the risk of accidental loss or of accidental deterioration of the purchased item passes to the buyer at the point in time that the buyer will default on acceptance or payment.
7. Our right of demanding compensation because of breach of duty or compensation instead of service respectively shall remain unaffected by this.
8. With this, the goods are stated as accepted.
9. Discharge of the goods is made at buyer's expense.

VIII. DEFECTS AS TO QUALITY

1. Goods are delivered free of production defects or defects in material. Claims based on defects shall not exist in the event of an only irrelevant deviation from the quality agreed or irrelevant impairment of usefulness.
2. Guarantees for the quality and shelf life of the delivery item shall only be considered as furnished, if we declared the guarantee as such expressly and in writing.
3. Notice of defect shall be made immediately - and in writing - and is excluded if we do not receive it within 2 weeks after receipt of the delivery. We shall be notified immediately about defects which could not be detected within this period (even with careful inspection), however, 2 weeks after detection at the latest.
4. If there is a defect in the goods delivered and the cause already existed at the time of the passage of risk, we will at our option rectify the defect free of charge within a reasonable period or remedy the defect by delivery of an item free of defects (subsequent performance). If the buyer rejects this or changes or repairs of the corresponding goods are made, we shall be exempted from the liability for defects.
5. If rectification of defects fails or if it is not made within a reasonable grace period set by the buyer, the buyer may reduce the purchase price or withdraw from the contract.
6. a) The buyer shall be responsible for the proper water quality. In this respect the corresponding requirements and guidelines for boiler and feed water have to be observed. In the case of stainless steel storage tanks the water used has to fulfil the values prescribed in the drinking water ordinance.
b) The buyer must, as far as this is possible and reasonable for him, prove that defects as to quality are caused by faults in material or faulty manufacture of the goods and not by defective mounting. The costs for determining the cause of the defect and other expenses arising within the scope of this obligation shall not be the subject of the warranty.
7. a) Damages occurred due to wrong or faulty installation, putting into operation, treatment, operation, maintenance or use of fuels, control devices, types of furnaces and currents or voltages not prescribed or due to choice of incorrect burners or burner settings also do not constitute a claim based on defects. This shall also apply with regard to overload and corrosion damage.
b) Liability for usual wear and tear shall be excluded.
c) Only the direct buyer shall be entitled to assert claims due to defects and such claims cannot be assigned.
8. Claims of the buyer for expenses required for the purpose of subsequent performance or reversal of transaction after withdrawal from the contract - transport costs, road costs, labour cost and materials cost, in particular - shall be excluded, if expenses increase because the delivery item was installed at a location difficult to access. The same shall apply if the delivery item was installed outside of the territory of the Federal Republic of Germany.
9. Recourse claims of the buyer against us, in accordance with section 478 BGB - German Civil Code, [contractor's recourse] shall only exist to the extent that the buyer did not make an agreement with his customer which goes beyond the legal claims based on defects.
10. The claims based on defects as to quality shall become time-barred as follows:

- a) 5 years
 - condensing floor-standing heater
 - Water heater and floor-standing tank
 - Solar collectors
- b) 2 years
 - Ventilation and air-handling devices
 - Domestic ventilation system
 - Conventional gas-fired boilers and gas condensing boilers
 - Gas central heating condensing boilers
 - Heat pumps
 - all other products
 - all other electrical and moving parts, such as controllers, valves, burners
- c) 1 year
 - spare parts

These periods shall only apply if no longer periods are mandatorily prescribed by law.

These periods start to run at the day of delivery.

11. The statutory limitation periods shall apply in the event of injury to life, body or health and wilful acting or grossly negligent breach of our duties as well as fraudulent concealment of a defect or giving of a guarantee as to quality.
12. We state that according to the conditions above there is no intention to change any legal or caselaw distribution of burden of proof.

IX. LIABILITY

1. We shall only be liable with regard to damages and compensation for futile expenses (section 284 BGB - German Civil Code) due to violations of contractual or non-contractual obligations, as well as violations based on tortious liability
 - in the event of intentional or grossly negligent acting
 - in the event of intentional or grossly negligent injury to life, body or health
 - due to fraudulent concealment of defects or giving of a guarantee as to quality
 - in the case of liability due to an absolute offence (especially according to the product liability act).
2. We shall be liable for any negligence in the event of violation of essential contractual obligations, however, only to the extent of the foreseeable contract-typical damage.
3. As far as our liability is excluded or limited, this shall also apply to employees, representatives and vicarious agents.
4. Cardinal duties are essential contractual obligations, i.e. such duties which imply the character of a contract and on which the other party may trust; such as fundamental rights and obligations that form the prerequisites for a performance of the contract and that are indispensable for achieving the purpose of the contract.
5. We state that according to the conditions above there is no intention to change any legal or caselaw distribution of burden of proof.

X. RETURN/EXCHANGE

1. If the buyer withdraws unjustified from an order given, we may demand 25% of the selling price for costs incurred for order processing and lost profit, without prejudice to the option of asserting higher actual damage. The buyer shall be entitled to prove that no or a slight damage occurred.
2. Return shipments will only be accepted after our express prior written consent.
3. A credit note will only be granted in the amount of the present value with a deduction of 25% take-back and inspection costs.

XI. PLACE OF PERFORMANCE/JURISDICTION

1. Mainburg is the place of performance. Jurisdiction regarding commercial course of business shall be the court competent for our place of business.
2. German substantive law shall be applicable for all legal relations in connection with this contract to the exclusion of the United Nations Convention on Contracts for the International Sale of Goods [CISG].

XII. SEVERABILITY

Should a provision of these conditions of sale and delivery or a provision within the scope of any other agreement be invalid or become invalid, this shall not affect the validity of the remaining provisions.

INTERNATIONAL CONDITIONS OF SALE FOR CUSTOMERS NOT RESIDENT IN GERMANY [AS OF 01/11]

I. APPLICATION OF THE INTERNATIONAL CONDITIONS OF SALE

1. These International Conditions of Sale apply to all customers of Wolf GmbH - hereinafter referred to as Wolf - whose relevant place of business is not in Germany. For customers whose place of business is in Germany, the General Conditions of Sale of Wolf apply, which will be forwarded on request. In each case, the relevant place of business is the one which concludes the contract in its own name.
2. These International Conditions of Sale apply to the present and all subsequent contracts whose preponderant object is the supply of goods to the customer. Additional obligations assumed by Wolf do not affect the application of these International Conditions of Sale.
3. Conflicting or differing terms of business of the customer do not bind Wolf, even if Wolf does not explicitly object or even if Wolf renders performance or accepts the customer's performance without reservation irrespective of conflicting or differing terms of business of the customer. The provisions of this paragraph equally apply insofar as the terms of business of the customer, irrespective of the contents of these International Conditions of Sale, deviate from legal provisions.

II. FORMATION OF THE CONTRACT OF SALE

1. The customer is under an obligation to give written notice to Wolf prior to the formation of a contract if the goods ordered are to be fit not only for normal use or will be used in circumstances which are unusual or which present a particular risk to health, safety or the environment, or which require more demanding use.
2. Orders of the customer are to be put in writing. If the customer's order deviates from the proposal or the tender submitted by Wolf, the customer will emphasize the differences as such.
3. All orders, in particular also those received by employees of Wolf, will only have effect if followed by a written acknowledgement of the order by Wolf. The delivery in fact of the goods ordered, any other conduct of Wolf or silence does not allow the customer to assume the formation of the contract of sale. Wolf can dispatch such written acknowledgement of the order up to and including 14 calendar days after the customer's order has been received by Wolf. Until this time, the customer's order is irrevocable.
4. The written acknowledgement of the order has been received in time, if it is received by the customer within 14 calendar days after its date of printing. The customer will inform Wolf without delay, if the written acknowledgement of the order is received delayed.
5. The written acknowledgement of the order by Wolf determines the entire contents of the contract and effects a conclusion of the contract even if - except for the purchase price and the quantity to be delivered - the written acknowledgement deviates in any other way, especially with respect to the exclusive application of these International Conditions of Sale, from the declarations of the customer. Particular wishes of the customer, namely warranties or guarantees with respect to the goods or the performance of the contract therefore require express written confirmation in every case. Regardless of the nature and extent of the deviations, the contract will only fail to come into existence if the customer objects to the deviations in writing and the objection is received by Wolf within a short time, at the latest seven calendar days after receipt of the written acknowledgement of the order by the customer.
6. Wolf's employees, commercial agents or other sales intermediaries are not authorized to dispense with the requirement for written acknowledgement of the order or to make promises which differ from its content or guarantees. Changes to the concluded contract likewise require written confirmation by Wolf.

III. OBLIGATIONS OF WOLF

1. Subject to an exemption according to section VII.-1. b) Wolf must deliver the goods specified in the written acknowledgement of the order. Wolf is not obliged to perform obligations not stated in the written acknowledgement of the order or in these International Conditions of Sale, in particular Wolf is under no obligation to deliver accessories not listed explicitly, to instal additional safety devices, to carry out assemblies, to render planning-services or to advise the customer.
2. Third parties not involved in the conclusion of the contract, in particular the customer's clients, are not entitled to request delivery to be made to them. The customer's responsibility to take delivery continues to exist even if he assigns claims to third parties.
3. Wolf undertakes to deliver goods of average kind and quality taking account of the tolerances customary in trade as in kind, quantity, quality and packaging. If the goods cannot be delivered in the condition as offered at the time of the formation of the contract because technical improvements to goods of series production were made, Wolf is entitled to deliver the goods with the technical improvements. Wolf is entitled to make part deliveries.
4. If further specification is required in relation to the goods to be delivered, Wolf will carry this out having regard to its own and the identifiable and legitimate interests of the customer. A request to the customer to specify the goods, or to participate in the specification, is not required. Wolf does not undertake to inform the customer of the specification it has made or to give the customer the option of a differing specification.
5. Wolf undertakes to place the goods at disposal for collection by the customer at the agreed time of delivery at the place of delivery indicated in the written acknowledgement of the order or by way of precaution at its premises in Mainburg/Germany. Previous separation or marking of the goods or notification to the customer of the goods being placed at disposal is not required. However, Wolf is entitled to initiate the shipment of the goods at the customer's risk and expense in order to obtain the document in proof of tax-free-delivery.
6. Agreed delivery time periods or delivery dates are subject to the customer's procuring any required documents, releases, permits, approvals, licences or any other authorizations or consents in sufficient time, opening letters of credit and making down-payments as agreed and performing all other obligations incumbent upon him properly and in good time. Moreover, agreed delivery time-periods begin on the date of the written acknowledgement of the order by Wolf. Wolf is entitled to deliver earlier than at the agreed delivery time.
7. Without prejudice to its continuing legal rights, Wolf is entitled to fulfil its obligations after the delivery time agreed upon, if it informs the customer of

exceeding the delivery time limit and of the time period for late performance. The customer can object to late performance within a reasonable time period, if the late performance is unreasonable. An objection is only effective, if it is received by Wolf before commencing late performance. Wolf will reimburse necessary additional expenditure, proven and incurred by the customer as a result of exceeding the delivery time to the extent that Wolf is liable for this under the provisions laid down in section VII.

8. Risk as to price and performance even of goods not being clearly identifiable to the contract and without being necessary a notice given by Wolf, passes to the customer at the latest as soon as loading of the goods has begun or as soon as the customer does not take delivery in accordance with the contract or title of the goods has passed to the customer. The loading of the goods is part of the customer's obligations. The agreement of INCOTERMS in Group F or Group C or of clauses such as „delivery free.....“ or such like merely involves a variation of the provisions as to transportation costs; besides, the provisions laid down in these International Conditions of Sale including those referring to the passing of risk continue to apply.
9. Wolf is not obliged to obtain any licences, authorizations, certificates, formalities or other documents necessary for the export, transit or import. However, Wolf renders at the customer's request, risk and expense every assistance in obtaining the documents that the customer has required in writing.
10. Including where INCOTERMS in Group F are agreed, Wolf is in particular not obliged to arrange for shipment of the goods, to insure the goods, to procure certificates or documents not expressly agreed, to procure customs clearance, to bear levies, duties and charges accruing outside Mainburg/Germany, to comply with weight and measuring systems, packaging, labelling or marking requirements applicable outside Mainburg/Germany, to inform the customer of the delivery or to take back packaging material from the customer. Irrespective of any legal provision, the customer shall at its own cost take care of renewed utilization, material recycling or otherwise prescribed waste-disposal. The foregoing provision applies irrespective of whether the packaging material is invoiced separately or not to the customer.
11. Without prejudice to its continuing legal rights, Wolf is entitled to suspend the performance of its obligations so long as, in the opinion of Wolf, there are grounds for concern that the customer will wholly or partly fail to fulfil its obligations in accordance with the contract. In particular, the right to suspend arises if the customer insufficiently performs its obligations to enable payment to Wolf or a third party or pays late. Wolf is not required to continue with performance of its obligations, if an assurance given by the customer to avoid the suspension does not provide adequate security or could be challenged pursuant to an applicable law.
12. Except as provided in section III.-7., Wolf is only obliged to inform the customer of delay or non-performance as soon as these are certain.

IV. PRICE, PAYMENT AND ACCEPTANCE OF THE GOODS

1. Irrespective of continuing obligations of the customer to guarantee or to enable payment, the customer undertakes to pay the agreed price in the currency specified in the written acknowledgement of the order transferring it without deduction and free of expenses and costs to the financial institution designated by Wolf. To the extent that a price has not been agreed, the contract has nevertheless been validly concluded; in such a case the price which is at the agreed time of delivery Wolf's usual price will apply. Wolf's employees, commercial agents or other sales intermediaries are not authorized to accept payments.
2. The payment to be made by the customer is in any event due for payment at the time specified in the written acknowledgement of the order. The due time for payment arises without any further pre-condition and, in particular, does not depend on whether the customer has already taken delivery of the goods and/or the documents and/or has had an opportunity to examine the goods. The periods granted for payment will cease to apply and outstanding accounts will be due for immediate payment, if insolvency proceedings relating to the assets of the customer are applied for, if the customer without providing a justifiable reason does not meet fundamental obligations due towards Wolf or towards third parties or if the customer has provided not accurate information regarding his credit standing.
3. The customer warrants that all legal requirements for delivery free of German value added tax will be fulfilled. To the extent that Wolf does not receive the document in proof of tax-free-export-delivery or Wolf is called upon to pay value added tax as a result of the terms of delivery or of circumstances allocable to the customer, the customer will indemnify Wolf in all and every respect without prejudice to any continuing claim by Wolf. The indemnity is granted by the customer waiving any further requirements or other defences, in particular waiving the defence of limitation or prescription and also includes the reimbursement of the expenses incurred by Wolf.
4. Regardless of currency and regardless of the jurisdiction of any court, Wolf is entitled at its own discretion to set off incoming payments against claims existing against the customer by virtue of its own or assigned rights at the time of payment.
5. Any rights of the customer to set-off against claims of Wolf are excluded, except where the corresponding claim of the customer is in the same currency, is founded in the customer's own right and has either been finally judicially determined or is undisputed or acknowledged by Wolf in writing.
6. Any rights of the customer to suspend payment and to raise defences are excluded, except where despite written warning Wolf has committed a fundamental breach of its obligations arising out of the same contractual relationship, and has not offered any adequate assurance.
7. The customer undertakes to take delivery of the goods at the delivery time without taking any additional period of time and at the place of delivery indicated in the written acknowledgement of the order or by way of precaution at the premises of Wolf in Mainburg/Germany. The customer is only entitled to refuse to take delivery if it exercises - in accordance with the rules in section VI.-1. - its rights to avoid the contract.

V. DELIVERY OF NON-CONFORMING GOODS OR GOODS WITH DEFECTIVE TITLE

1. Delivery does not conform with the contract if, taking into account the terms

INTERNATIONAL CONDITIONS OF SALE FOR CUSTOMERS NOT RESIDENT IN GERMANY [AS OF 01/11]

in section III., at the time the risk passes the packaging, quantity, quality or the description of the goods is significantly different to the specifications laid down in the written acknowledgement of the order, or in the absence of agreed specifications, the goods are not fit for the purpose which is usual in Mainburg/Germany. Irrespective of the legal requirements applicable in Mainburg/Germany, the delivery conforms with the contract, to the extent that the legal requirements applicable at the place of business of the customer do not impede the usual use of the goods. Second-hand goods are delivered without any liability for their conformity.

2. To the extent that the written acknowledgement of the order does not contain an explicit statement to the contrary, Wolf is in particular not liable for the goods being fit for the purpose to which the customer intends to put them or for possessing the qualities of a sample or a model or for their compliance with the legal requirements existing outside of Mainburg/Germany, for instance in the customer's country. Wolf also shall not be liable for any non-conformity with the contract occurring after the time the risk has passed. To the extent that the customer, either himself or through third parties, initiates the removal of non-conformities without the prior consent of Wolf, Wolf will be released from its liability.
3. The customer must examine the goods as required by law and in so doing check every single delivery in every respect for any discoverable or typical lack of conformity with the contract.
4. The goods delivered have a deficiency in title if they are not free from enforceable rights or claims of third parties at the time risk passes. Without prejudice to further legal requirements, third parties rights or claims founded on industrial or other intellectual property constitute a deficiency in title only to the extent that the rights are registered and made public in Germany. Irrespective of the legal requirements applicable in Germany, the goods are not with defective title, to the extent that the legal requirements applicable at the place of business of the customer do not impede the usual use of the goods.
5. The customer shall give notice as required by law to Wolf of any lack of conformity with the contract or of any deficiency in title, and in any event directly and in writing. Wolf's employees, commercial agents or other sales intermediaries are not authorised to accept notices or to make any statements concerning lack of conformity with the contract or of title and its consequences.
6. Following due notice according to section V.-5., the customer can rely on the remedies provided for by these International Conditions of Sale. The customer has no other rights or claims whatsoever. The customer's claims for a deficiency in title will be time-barred according to the same rules as the claims for delivery of non-conforming goods. In the event of notice not having been properly given, the customer may only rely on remedies if Wolf has fraudulently concealed the lack of conformity with the contract or the deficiency in title. Statements by Wolf as to the lack of conformity with the contract or as to the deficiency in title are for the purpose of explaining the factual position only, but do not entail any waiver by Wolf of the requirement of proper notice.
7. In accordance with the terms of the UN Sales Convention, the customer is entitled to demand delivery of substitute goods or repair or to reduce the purchase price. Further claims for performance are not available to the customer. Irrespective of the customer's remedies, Wolf is always entitled in accordance with the provision in section III.-7. to repair goods which do not conform with the contract or to supply substitute goods.

VI. TERMINATION OF CONTRACT

1. Without prejudice to compliance with the respective applicable legal requirements, the customer is only entitled to declare the contract avoided after he has threatened Wolf with avoidance of the contract in writing and an additional period of time of reasonable length for performance fixed in writing has expired to no avail. If the customer claims delivery of substitute goods, repair or other performance, he is bound for a reasonable period of time to the chosen remedy, without being able to exercise the right of declaring the contract avoided. In any event, the customer must give notice of avoidance of the contract within a reasonable time in writing and to Wolf directly.
2. Without prejudice to its continuing legal rights, Wolf is entitled to avoid the contract in whole or in part without compensation if the customer objects the application of these International Conditions of Sale, if the written acknowledgement of the order is received by the customer more than 14 calendar days after its date of printing, if insolvency proceedings relating to the assets of the customer are applied for or commenced, if the customer without providing a justifiable reason does not meet fundamental obligations due towards Wolf or towards third parties, if the customer has provided not accurate information regarding his credit standing, if Wolf through no fault of its own does not receive supplies properly or on time, or if for other reasons Wolf can not be expected to fulfil its obligations by means which taking into consideration its own interests and that of the customer as far as ascertainable and legitimate at the time of formation of the contract, are unreasonable in particular in relation to the agreed counterperformance.

VII. DAMAGES

1. Apart from liability for damage to natural persons, Wolf is only obliged to pay damages pursuant to this contract or extra contractually if the following provisions in a) to f) are fulfilled:
 - a) The customer is required in the first instance to rely on other remedies and can only claim damages in the event of a continuing deficiency. The customer cannot claim damages as an alternative to other remedies.
 - b) Wolf is not liable for the conduct of suppliers or subcontractors or for damages to which the customer has contributed. Wolf is also not liable for impediments which occur, as a consequence of natural or political events, acts of state, industrial disputes, sabotage, accidents, biological, physical or chemical processes or similar circumstances and which cannot be controlled by Wolf with reasonable means. Besides, Wolf is only liable if it negligently breaches fundamental or deliberately or in circumstances amounting to gross negligence breaches other obligations owed to the Customer.
 - c) In the event of liability Wolf will compensate within the limits of lit. d) the proven loss of the customer to the extent that it was unavoidable for the

customer and foreseeable to Wolf, at the time of the formation of the contract with respect to the occurrence of the loss and its amount. The customer must advise Wolf in writing before formation of the contract of particular risks, atypical possibilities for damages and unusual amounts of loss. Moreover, the customer is required to mitigate his loss as soon as a breach of contract is or ought to be known.

- d) Wolf is not liable for loss of profit, non-pecuniary losses or other indirect damages. Besides, the amount of damages for late delivery is limited to 0,5% for each full week of delay, up to a maximum of 5%, and for other breaches of obligations is limited up to 200% of the respective delivery value. However, this subparagraph does not apply in case of gross negligence by the executive bodies or the management.
 - e) For the limitation of time, the general regulations of the German Civil Code are valid. To the extent that the claim is not time-barred earlier, a six-month preclusive limitation of time for bringing an action for damages applies, starting with the rejection of the claim for damages.
 - f) The foregoing provisions relating to Wolf's liability also apply to the personal liability of Wolf's employees, servants, members of staff, representatives and those employed by Wolf in the performance of its obligations.
2. Irrespective of continuing legal or contractual claims of Wolf and subject to the customer providing proof that damages have not occurred at all or clearly do not reach this extent, the customer is obliged towards Wolf to pay liquidated damages as follows without Wolf having to provide proof of the amount:
 - a) In the event of delay in payment the customer will pay the costs of judicial and extra-judicial means and proceedings, usual and accruing within the country and abroad, as well as interest at the rate applicable in Mainburg/Germany for unsecured short-term loans in the agreed currency.
 - b) In the case of the customer not taking delivery on the due date or not at all, Wolf is entitled to claim damages in the amount of 15% of the respective delivery value.

VIII. OTHER PROVISIONS

1. Title of the goods which have been delivered remains with Wolf until settlement of all claims by Wolf existing against the customer. The allocation of risk as to price and performance in section III.-8. is not affected by the reservation of title.
2. Without prejudice to Wolf's continuing claims, the customer will indemnify Wolf without limit against all claims of third parties which are brought against Wolf on the grounds of product liability or similar provisions, to the extent that the liability is based on circumstances which - such as, for example, the presentation of the product - were caused after risk passed, by the customer or other third parties without express written consent of Wolf. In particular, the indemnification also includes compensation for expenses incurred by Wolf and is granted by the customer waiving further conditions or other objections, in particular without requiring compliance with control and recall obligations, and waiving any defence of limitation.
3. In relation to pictures, drawings, calculations and other documents as well as computer-software, Wolf reserves all proprietary rights, copyrights, other industrial property rights as well as know-how rights.
4. All communications, declarations, notices etc. are to be drawn up exclusively in the German or English language. Communications by means of fax or e-mail fulfil the requirement of being in writing.

IX. GENERAL BASIS OF CONTRACTS

1. The place of performance and payment for all obligations arising from the legal relationship between Wolf and the customer is Mainburg/Germany. In particular, this provision also applies if Wolf assumes the costs of money remittance, renders performance for the customer somewhere else or payment is to be made in exchange for documents or goods or in the case of restitution of performances already rendered. The agreement of INCOTERMS in Group F or Group C or agreements as to how costs are to be borne do not entail any change of the above rule as to place of performance. Wolf is entitled to require payment also at the place of business of the customer.
2. The United Nations Convention of 11 April 1980 on Contracts for the International Sale of Goods [UN Sales Convention / CISG] in the English version as well as the usage in force in Mainburg/Germany govern the legal relationship with the customer. The UN Sales Convention applies, above and beyond its own area of application, and regardless of reservations adopted by other states, to all contracts to which these International Conditions of Sale are to be applied according to the provisions of section I. Where standard terms of business are used, the INCOTERMS® 2010 of the International Chamber of Commerce apply taking into account the provisions stipulated in these International Conditions of Sale.
3. The formation of contract, including agreements as to jurisdiction and the inclusion of these International Conditions of Sale, and the rights and obligations of the parties, also including precontractual and collateral obligations, as well as the interpretation are exclusively governed by the UN Sales Convention together with these International Conditions of Sale. Outside the application of the UN Sales Convention, the contractual and non-contractual legal relationship between the parties is governed by the non-uniform German law, namely by the BGB/HGB [German Civil and Commercial Code].
4. All contractual and extra-contractual disputes arising out of or in connection with contracts to which these International Conditions of Sale apply, shall be finally settled by arbitration according to the Rules of the German Institution for Arbitration [DIS] without recourse to the ordinary courts of law. The tribunal shall consist of three arbitrators. The place of the arbitration shall be Munich, the languages to be used in the arbitral proceedings shall be German and English. In individual cases, however, Wolf is entitled also to bring an action before the national Courts at the customer's place of business, or other national Courts having jurisdiction according to domestic or foreign law.
5. If provisions of these International Conditions of Sale should be or become partly or wholly void, the remaining arrangements will besides continue to apply. The parties are bound to replace the void arrangement by a legally valid arrangement, which comes as close as possible to the commercial meaning and purpose of the void arrangement.

