

**Flamco**

# Flamco

Water heaters, storage tanks  
and accessories

DUO WATER HEATER



SUPASTOR WATER HEATER



PS COOLING AND HEATING  
STORAGE TANKS



DUO FWS COMBINATION TANKS

**Flamco**



Flamco

Flamco glass lined water heaters for potable water, cooling and heating installations

Flamco glass lined water heaters and storage tanks are your best option for high-quality, user-friendly products. They are manufactured by experts in a modern production facility. Flamco offers a comprehensive programme of economic water heaters and storage tanks with the best in corrosion-resistant finish and environmentally-friendly heat insulation.

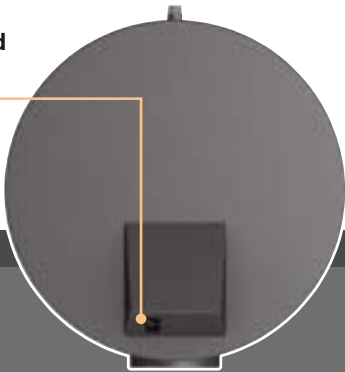
Duo water heater

Compatible with all modern heating installations.

Robust, user-friendly, practically maintenance-free construction.

Adjustable foot for precise levelling (fitted standard from 800-I model).

With thermometer and thermostat (optional).



Duo-Solar water heater

A programme of economic, highly-capable indirect water heaters (with high-quality glass lining) for hot-water provision (potable water) for solar-powered installations.



Flamco programme

Water heaters/ Calorifiers (potable water installations)	Storage tanks (potable water installations)	Storage tanks (cooling and heating installations)	Combination tanks
Duo	LS	PS	KPS
Duo-Solar	LS/E	PS/F	Duo FWS
Duo HLS		PS/R	FWP
ESP			
UHP basic			
TS			
Supastor Mono			
Supastor DWH			

ADVANTAGES FLAMCO WATER HEATERS:

- Officially-approved materials.
- Extremely high thermal output and extensive product range.
- Insulation compliant with the toughest environmental guidelines.
- Compliant with the European directives on potable water.

Tables showing models and technical data p. 6.11 and 6.12.



UPRIGHT DUO  
WATER HEATER



UPRIGHT DUO SOLAR  
WATER HEATER



UPRIGHT DUO SOLAR  
WATER HEATER



UPRIGHT DUO HLS  
WATER HEATER

### **Duo water heater**

Indirectly water heater with welded smooth-pipe heat exchangers.

Side-mounted observation flange with connection for additional heat sources (electronic heaters, heat pumps etc.).



Hot water.

High-quality enamelled coating to DIN 4753/3 standard for hygienic water provision, coupled with the highest levels of corrosion protection including Mg-anode.

Circulation.

The smooth enamelled surface prevents calcinations.

Supply connection.

Return connection.

Cold water.

### **Duo-Solar water heater**



Observation flange  
Duo-Solar 300 - 500: DN 110.  
Duo-Solar 750 - 1000: DN 205.

### **Duo HLS water heater**

Indirectly-heated, upright tank with very large, welded heat exchangers. Can be combined with heat pumps. Tank and spiral s made from high-quality RSt 37-2 steel with two-layer enamel coating as per DIN 4753-3, for hygienic water storage and optimum protection against corrosion, in combination with Mg anode. With side-mounted DN 110 inspection chamber for connecting extra heat sources by means of a blind flange, with screws and seal.





# Flamco

## The Supastor water heaters provide an energy efficient and fast method of providing hot water

*Supastor direct and indirect water heaters for potable water installations. All units are extremely compact and the connections are all conveniently placed 'in-line' to make installation easier, neater and as a result, faster. The highly efficient heating coil in the indirect units are designed to heat the maximum area of water within the vessel and provide extremely quick reheat times (only 16 minutes). The direct model can be fitted with two immersion heaters which can be ordered separately.*



SUPASTOR



Exceptional value for money combined with outstanding performance!

Certification: WRC listed and approved.

Suitable for both domestic dwellings and small commercial premises. The interior of the water heater is glass lined to DIN 4753/Part 3. The cylinder's exterior is prime coated and covered by a 35 mm CFC free polyurethane foam insulation with an outer white, easy to clean, 5 mm plastic jacket. The water heaters have a low tendency to calcinations due to the glass lining.

Insulation made of CFC-free hard foam (with easy-clean, white outer plastic shell).



SUPASTOR HORIZONTAL

**Flamco experts are at your side every step of the way.**

Tables showing models and technical data p. 6.13.



### Choose from our wide range

- ◆ Duo water heater. Can be used in combination with all modern heating systems.
- ◆ Duo-Solar water heater. Special model for use in combination with solar panels.
- ◆ UHP basic floor-standing boiler. Particularly good for heating with a high-efficiency condensing boiler.
- ◆ TS horizontal water heater. Stable bearing construction; requires little space.
- ◆ LS storage tank. High capacity for hot water (potable water).
- ◆ LS/E stainless steel storage tank. Made of corrosion-resistant 316 stainless steel.
- ◆ ESP stainless steel upright water heater. Made of 316 stainless steel with double shell.
- ◆ PS storage tank. Can also be used as cold-water storage tank in cooling systems.
- ◆ PS/R storage tank for use in solar-powered heating systems.
- ◆ KPS, Duo FWS and FWP combination boilers.

For combined mains-water and heating systems.

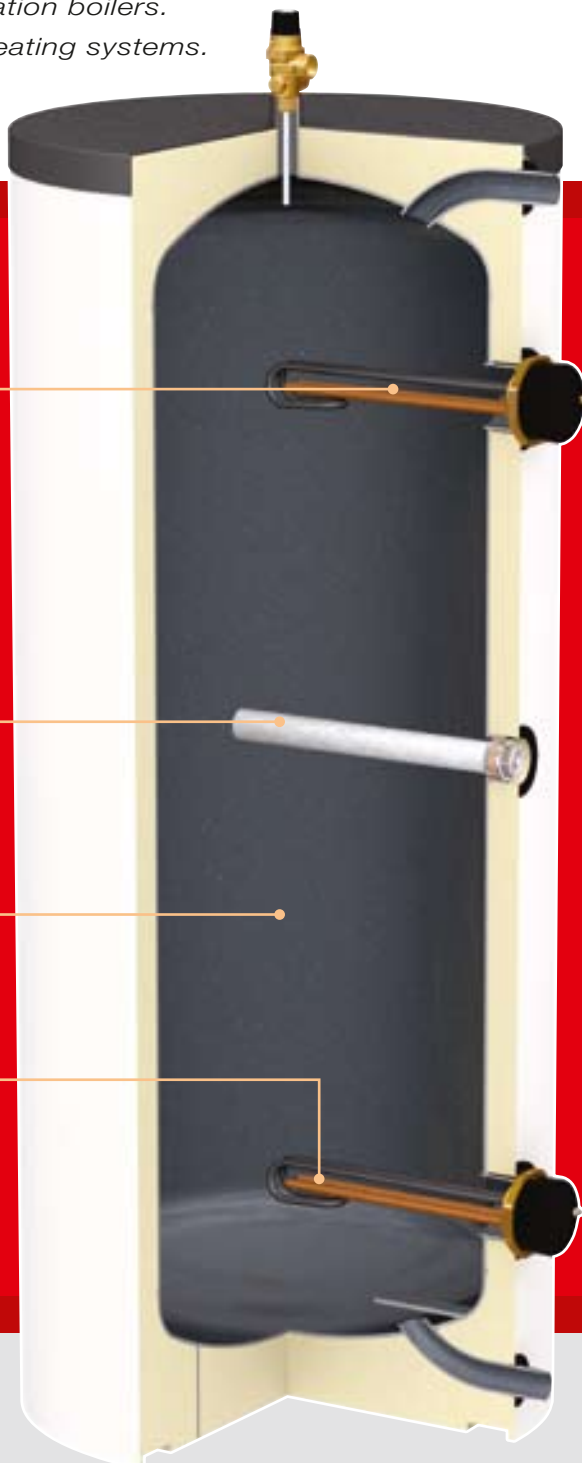
### Supastor

Highly efficient immersion heater designed to provide extremely quick reheat times from only 16 minutes. Immersion heaters to be ordered separately.

High-quality glass lining as specified by DIN 4753/part 3 for hygienic hot water and the best protection against corrosion in combination with Mg or impressed anode.

The smooth glass lined surface is almost totally resistant to calcinations.

The direct model can be fitted with two immersion heaters.



### Flamco large and special tanks

We can also supply tanks for use in liquid-gas installations, compressed-air/vacuum technology for transport and storage of industrial gases. Also available are vehicle tanks, storage tanks for fluids and impregnated tanks. Flamco, suppliers of distinction, brings you tanks in whatever size you need!

### ACCESSORIES



FLANGE WITH ELECTRIC HEATING ELEMENT



THREADED HEATING ELEMENT



RIBBED HEAT-EXCHANGER TUBE



INSULATION FITTINGS



THERMOMETER



DIP TUBE FOR TEMPERATURE SENSOR



SUPPORTING WATER HEATER THERMOSTAT



IMPRESSED ANODES



REPLACEMENT MAGNESIUM ANODES



FLANGE ADAPTER





# Flamco

## Flamco offers reliable technical solutions for each situation

The TS-series is designed to support your boiler and, thanks to its similar dimensions, does not spoil the visual impact in combination with your existing water heater. The TS indirect water heaters: a range of compact, unobtrusive supporting heaters, which can support a boiler, thus creating a space-saving unit.

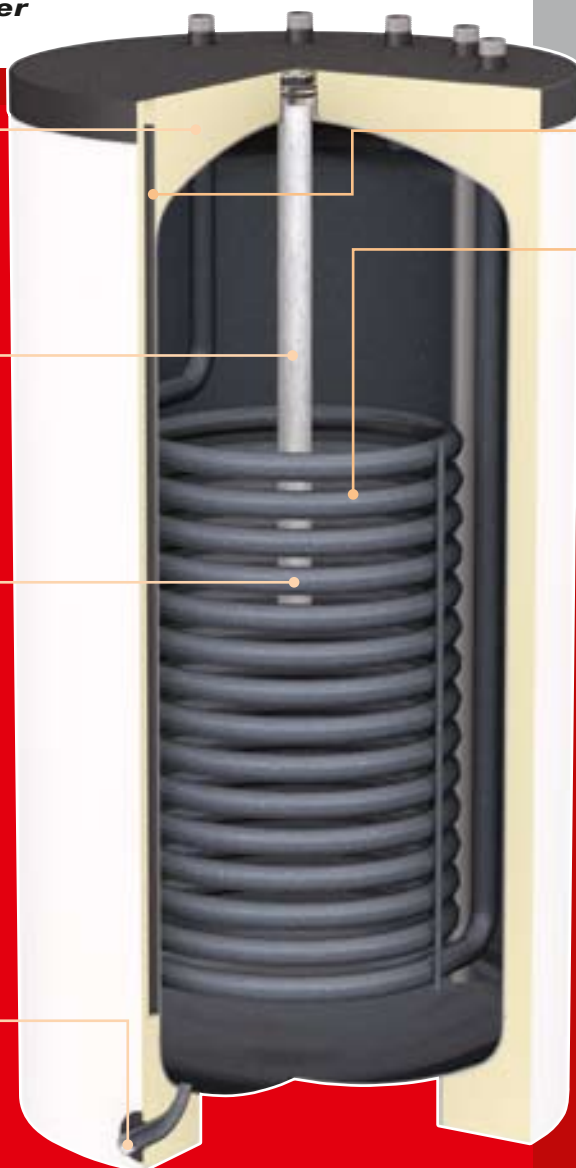
### Floor-standing boiler UHP basic

Insulation made of CFC-free hard foam (with easy-clean, white outer plastic shell).

Magnesium anode.

High-quality glass lining as specified by DIN 4753 part 3 for hygienic hot water and the best protection against corrosion in combination with Mg or impressed anode.

Drain connection.



UHP BASIC

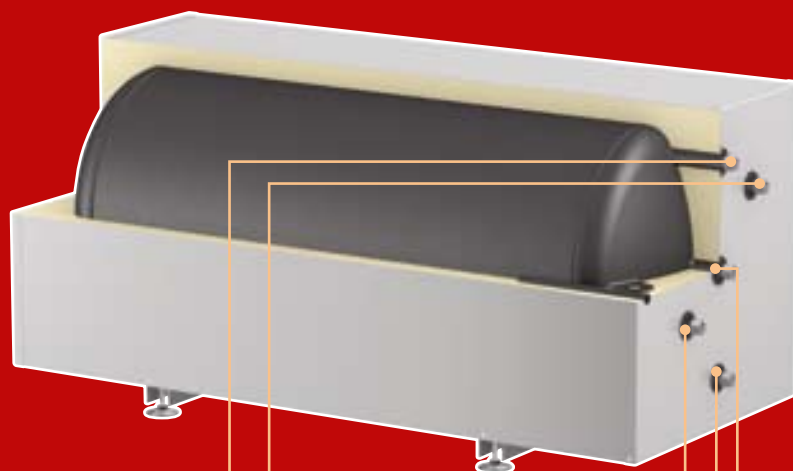


TS HORIZONTAL WATER HEATER

With dip tube for temperature sensor.

The smooth glass lined surface is almost totally resistant to calcinations.

**TS indirectly-heated horizontal water heater with welded heat-exchanger tubes.**



Hot water.

Supply connection.

Return connection.

Cold water.

Circulation.

**The products described in this brochure form part of Flamco's standard range. However, should you require extra capacity, extra connection ports or a different colour of insulation, we would be pleased to help you. With Flamco, almost everything is possible.**

### ADVANTAGES TS HORIZONTAL WATER HEATER:

- ◆ Stable bearing construction with maximum load from boiler of 300 kg.
- ◆ Little space required for boiler and water heater.
- ◆ Adjustable foot for problem-free, quick, level set-up.

Tables showing models and technical data p. 6.14.

# Flamco's key features: craftsmanship, experience and high quality

Boilers and storage tanks are used in all sorts of places and there is a wide variety of energy sources. In those circumstances, it is good to know that there is a manufacturer which has the best solution for every situation. The Flamco range is as flexible as it is wide and its key feature is high quality. All materials used are independently certified.



ESP STAINLESS STEEL UPRIGHT BOILER



LS POTABLE WATER BUFFER TANK



LS/E STAINLESS STEEL POTABLE WATER BUFFER TANK

Water heaters and storage tanks

Hot water.

Heat-exchanger connection.

Circulation.

Heat-exchanger connection.

Cold water.

### LS Potable water buffer tank

These tanks are used for storing heated potable water. A thick insulation jacket ensures that as little heat as possible is lost to the environment. External heat exchangers can be connected to it, as can a group of heat buffers. High-quality enamel coating as per DIN 4753-3, for hygienic water storage and optimum protection against corrosion, in combination with Mg anode (standard from 1500 litres upwards).

### LS/E – stainless steel potable water tank

Component parts which come into contact with industrial fluid are made from corrosion-resistant 1.4571 stainless steel.



Inspection ports fitted to LS and LS/E models from 500 litres upwards.

### ESP stainless steel upright boilers

Buffer tank for fitting next to the boiler. With welded heat-exchanger made of corrosion-resistant 1.4571 stainless steel. The tank has a DN 110 inspection port which allows cleaning and an adjustable foot.



Flamco boilers offer the best solutions!

Tables showing models and technical data p. 6.13.

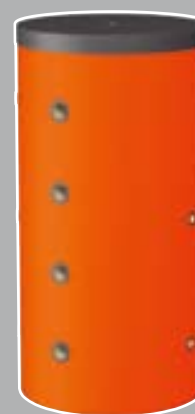
*Flamco buffer tanks stand out with their sturdy, almost maintenance-free construction. High-quality materials are your guarantee of optimum protection against corrosion and they also guarantee environmentally-friendly heat insulation. Modern production methods deployed by qualified craftsmen ensure that you will always be able to rely on the quality of these products.*



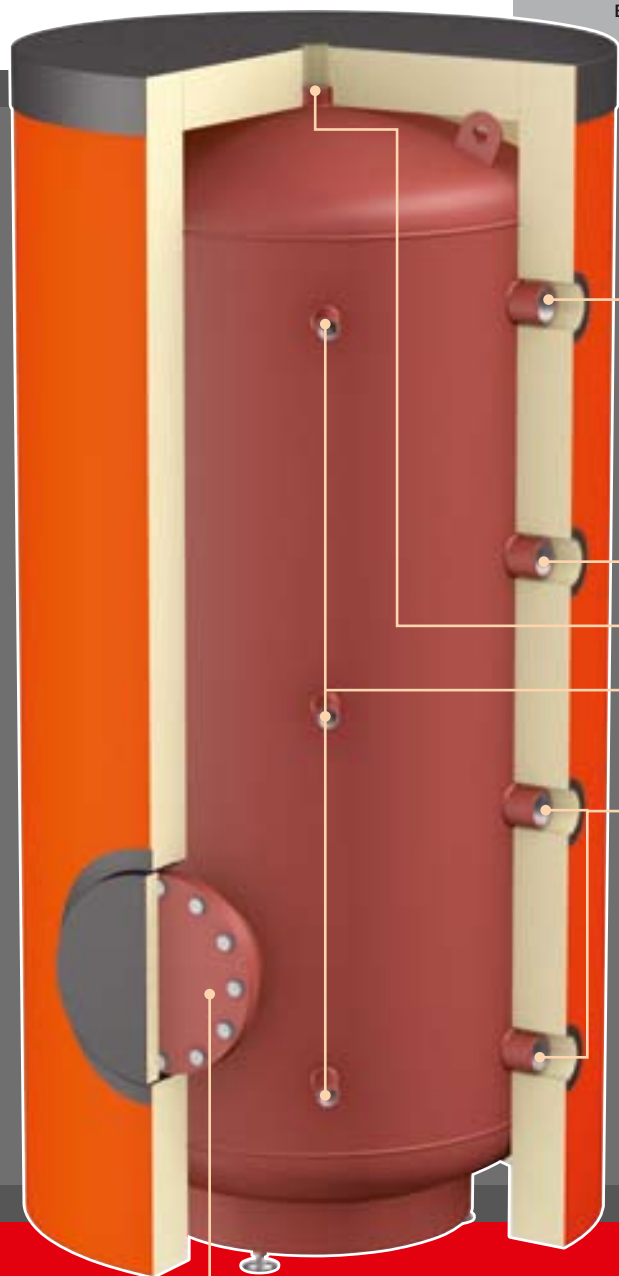
PS/F COOLING AND HEATING  
BUFFER TANKS



PS COOLING AND HEATING  
BUFFER TANKS



PS/R COOLING AND HEATING  
BUFFER TANKS



DN 205 cleaning/inspection port  
(PS/F only).

### **PS cooling and heating buffer tanks**

Suitable for use in all sorts of sealed cooling and heating systems; can also be used as a cold-water reservoir. Coated with a corrosion-resistant undercoat whilst the interior is untreated. Can be connected to a heated storage system with several buffer tanks.

System connection/bleeding.

Thermometer connection.

System connection.

### **PS/R cooling and heating buffer tanks**

For combination with a solar-powered system or another system with additives, Flamco has developed the PS/R, with welded spiral tube. It is sturdy and easy to set up. It has adjustable feet so that it can be precisely levelled. This model is available with capacity from 500 – 2000 litres inclusive.



PS/R COOLING AND HEATING  
BUFFER TANK

### **ADVANTAGES FLAMCO BUFFER TANKS:**

- ◆ The number of connection ports and their relative positions make it possible to connect all conventional boilers easily.
- ◆ Fitted as standard with orange or white insulation material. Other colours are available on request.



## KPS combination tank for combining several heating systems and a hot water supply

A space-saving solution with immersion pipe to check the temperature of the system water and adjustable feet. The cold-water supply is in the lowest part of the reservoir, so that layering is not interrupted. High-quality enamel coating as per DIN 4753-3. Includes Mg anode in the industrial-fluid reservoir. Corrosion-resistant undercoat on the outer surface of the buffer reservoir.



KPS COMBINATION TANK



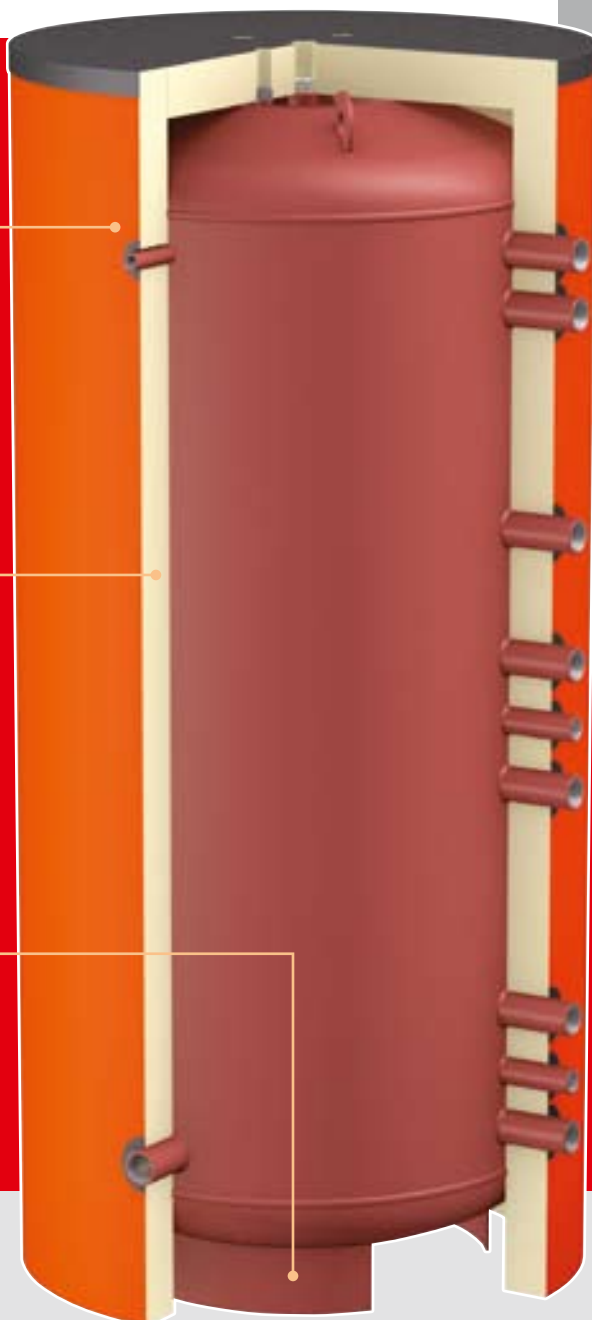
KPS COMBINATION TANK

### KPS combination tank

Standard insulation material colours: orange RAL 2004 and white RAL 9010.

Low-maintenance 80-mm soft-foam insulation.

Adjustable feet available on request.



Max. operating pressure:

- buffer / industrial fluid reservoir 3 bar / 10 bar.
- Coil 10 bar.

Max. operating temperature:

- buffer / industrial fluid reservoir 95 °C.
- Coil 110 °C.



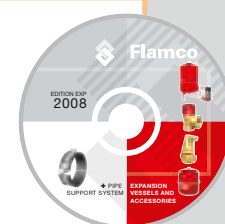
### KPS combination tank

Buffer tank for heating systems with built-in boiler for heating potable water. As with the FWP it can be connected to several heating systems, such as biomass systems, oil and gas-fired systems, and solar-powered systems respectively in combination with water heating. The "boiler in buffer" principle ensures a high level of comfort due to the ample provision of hot mains water. Available with buffer capacity from 500 – 1000 litres (boiler capacity 150 and 230 litres). Choose between orange and white insulation material.

KPS COMBINATION TANK

### ON THE FLAMCO CD-ROM YOU WILL FIND:

- ◆ This brochure in PDF format.
- ◆ Assembly instructions.
- ◆ DWF files.
- ◆ CAD symbols.



Tables showing models and technical data p. 6.15.



# Flamco

## Duo FWS combination tanks and FWP water heaters

Combination buffer tank. For combining several types of heating system, such as biomass, oil, gas or solar power. Has a second coil for separate mains-water heating from solar-powered systems. Mains-water heating in corrosion-resistant stainless steel ribbed spiral coil.

The FWP can be connected to heat pumps for hygienic mains-water heating in the built-in corrosion-resistant ribbed coil (heated surface: 7m<sup>2</sup>!). The capacity of the mains-water coil is approx. 40 litres, which means that you can be sure that directly-heated hot water will be available at all times.



FWP



DUO FWS



FWP

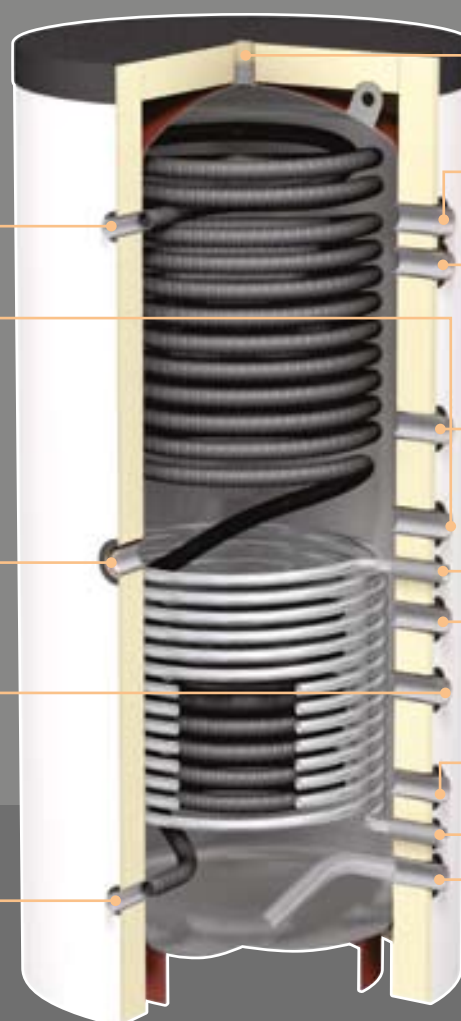
Hot water.

Cold leg, oil/gas boiler for potable water or pellet boiler and hot leg, heating (alternative).

Threaded heating element.

Cold leg, (alternative).

Cold water.



Duo FWS

Hot leg (reservoir) and bleeding.

Hot leg, biomass/pellet boiler.

Hot leg, oil/gas boiler for potable water heating.

Hot leg, pellet boiler.

Solar hot leg.

Cold leg, oil/gas boiler for potable-water heating (alternative).

Cold leg, heating.

Solar cold leg.

Cold leg, biomass boiler with drainage.

### Insulation

Insulation material used in the Duo FWS and FWP: Low-maintenance 80-mm soft-foam insulation with PVC outer wrapping, or 120-mm with polystyrene outer wrapping. Colour: white.

**FOR BOILERS, STORAGE TANKS, BUFFER TANKS AND COMBINATION TANKS, LOOK FIRST TO FLAMCO**



- ◆ *Insulation: Duo (models up to 500 l: foam (without CFCs) with insulation jacket. Duo (models from 750 l - 2000 l inc.): 80-mm CFC-free easy-assembly foam (with easy-clean synthetic insulation jacket) material.*
- ◆ *Maximum permitted operating pressure of Duo: tank/coil: 10/16 bar.*
- ◆ *Maximum permitted operating temperature of Duo: buffer tank/coil: 95/110 °C (368 K / 383 K).*
- ◆ *Foot-height adjustment: Duo (models up to 500 l) optional, Duo (models from 750 – 2000 l) standard.*

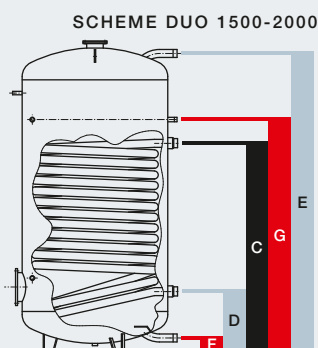
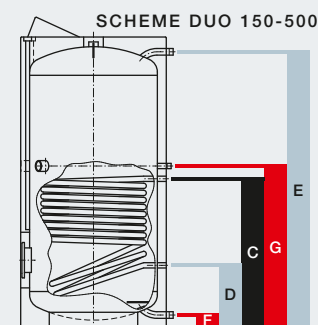
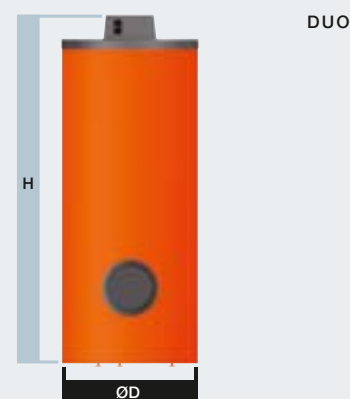
### Models and dimensions Duo 150 – 2000

Type	Capacity in litres	Operating factor NL	Coil surface m²	Dimensions in mm up to 500 l inc. insulation		
				Ø D	H	Tip dimension
Duo 150	150	2.1	0.6	560	1150	1200
Duo 150	150	2.1	0.6	560	1150	1200
Duo 150	150	2.1	0.6	560	1150	1200
Duo 200	200	4	0.9	560	1450	1500
Duo 200	200	4	0.9	560	1450	1500
Duo 200	200	4	0.9	560	1450	1500
Duo 300	300	8.1	1.4	560	1950	2000
Duo 300	300	8.1	1.4	560	1950	2000
Duo 300	300	8.1	1.4	560	1950	2000
Duo 400	400	14	1.6	750	1630	1715
Duo 400	400	14	1.6	750	1630	1715
Duo 400	400	14	1.6	750	1630	1715
Duo 500	500	20	2	750	1830	1895
Duo 500	500	20	2	750	1830	1895
Duo 500	500	20	2	750	1830	1895
Duo 750	750	29	2.7	750	1970	2070
Duo 1000	1000	42	3.2	800	2230	2320
Duo 1500	1500	80	6.4	1000	2320	2480
Duo 2000	2000	110	7.3	1100	2400	2600

### Models and dimensions Duo 150 – 2000

Type	Clearance from floor to connection ports in mm					Weight in kg	Insulation colour	Code number
	F	D	C	G	E			
Duo 150	65	245	590	690	985	68	orange	18317
Duo 150	65	245	590	690	985	68	white	18319
Duo 150	65	245	590	690	985	68	aluminium white	18313
Duo 200	65	245	710	885	1285	86	orange	18409
Duo 200	65	245	710	885	1285	86	white	18411
Duo 200	65	245	710	885	1285	86	aluminium white	18327
Duo 300	65	245	910	1035	1785	109	orange	18415
Duo 300	65	245	910	1035	1785	109	white	18417
Duo 300	65	245	910	1035	1785	109	aluminium white	18329
Duo 400	70	330	770	870	1470	158	orange	18421
Duo 400	70	330	770	870	1470	158	white	18423
Duo 400	70	330	770	870	1470	158	aluminium white	18390
Duo 500	70	330	890	990	1670	181	orange	18427
Duo 500	70	330	890	990	1670	181	white	18429
Duo 500	70	330	890	990	1670	181	aluminium white	18395
Duo 750	60	320	1040	890	1880	280	*	18380
Duo 1000	70	330	1110	960	2140	360	*	18400
Duo 1500	85	435	1555	1735	2235	570	*	18450
Duo 2000	105	455	1575	1755	2255	666	*	18460

\* Separate order no. for adjustable feet: 18989.





# Flamco

## Flamco Duo-Solar and Duo HLS water heaters



- ◆ *Insulation Duo-Solar (models up to 500 l: foam (without CFCs) with insulation jacket. Duo Solar (models from 750 l - 1000 l inc.): 80-mm CFC-free easy-assembly foam (with easy-clean synthetic insulation jacket) material.*
- ◆ *Maximum permitted operating pressure of Duo-Solar: tank/coil: 10/16 bar.*
- ◆ *Maximum permitted operating temperature of Duo-Solar: buffer tank/coil : 95/110 °C (368 K / 383 K).*
- ◆ *Duo HLS: Indirectly-heated, upright tank with very large, welded heat exchangers.*
- ◆ *With side-mounted DN 110 inspection chamber for connecting extra heat sources.*
- ◆ *Can be used in combination with all modern heating systems. With thermometer and immersion pipe for temperature sensor.*

### Models and dimensions Duo-Solar

Type	Capacity in litres	Operating factor NL*	Coil surface m <sup>2</sup>	Dimensions in mm from 750 l on excl. insulation		
				Ø D	H	Tip dimension
Duo-Solar 300	300	2.5 / 8.1	0.8 / 1.4	560	1950	2000
Duo-Solar 300	300	2.5 / 8.1	0.8 / 1.4	560	1950	2000
Duo-Solar 300	300	2.5 / 8.1	0.8 / 1.4	560	1950	2000
Duo-Solar 400	400	3.4 / 14	1.0 / 1.6	750	1630	1715
Duo-Solar 400	400	3.4 / 14	1.0 / 1.6	750	1630	1715
Duo-Solar 400	400	3.4 / 14	1.0 / 1.6	750	1630	1715
Duo-Solar 500	500	4.3 / 20	1.0 / 2.0	750	1830	1895
Duo-Solar 500	500	4.3 / 20	1.0 / 2.0	750	1830	1895
Duo-Solar 500	500	4.3 / 20	1.0 / 2.0	750	1830	1895
Duo-Solar 750	750	11 / 29	2.0 / 2.7	750	1970	2070
Duo-Solar 1000	1000	17 / 42	2.1 / 3.2	800	2230	2320

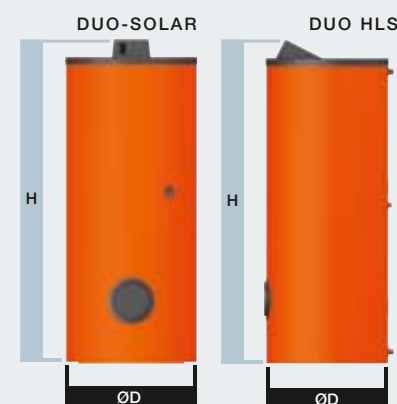
### Models and dimensions Duo-Solar

Type	Clearance from floor to connection ports in mm							Weight in kg	Insulation colour	Code number
	F	D	C	G	B	A	E			
Duo-Solar 300	65	245	910	1035	1135	1455	1785	123	orange	18225
Duo-Solar 300	65	245	910	1035	1135	1455	1785	123	white	18227
Duo-Solar 300	65	245	910	1035	1135	1455	1785	123	aluminium white	18362
Duo-Solar 400	70	330	770	870	970	1250	1470	176	orange	18231
Duo-Solar 400	70	330	770	870	970	1250	1470	176	white	18233
Duo-Solar 400	70	330	770	870	970	1250	1470	176	aluminium white	18367
Duo-Solar 500	70	330	890	990	1090	1370	1670	199	orange	18237
Duo-Solar 500	70	330	890	990	1090	1370	1670	199	white	18239
Duo-Solar 500	70	330	890	990	1090	1370	1670	199	aluminium white	18372
Duo-Solar 750	60	320	1040	890	1140	1620	1880	320	*	18378
Duo-Solar 1000	70	330	1110	960	1260	1740	2140	420	*	18379

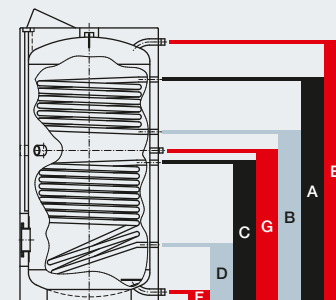
\* Upper/lower heating surface.

### Models and dimensions Duo HLS 300 - 500

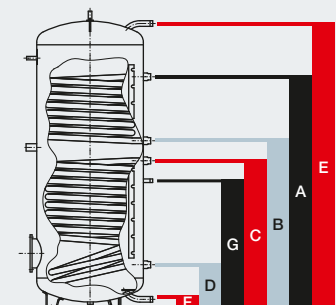
Type	Capacity in litres	Heating surface of coils m <sup>2</sup>	Dimensions in mm inc. insulation			Clearance from floor to connection ports in mm					Weight in kg	Insulation colour	Code number
			Ø D	H	Tip dimension	F	D	G	C	E			
Duo HLS 300	300	3.2	560	1950	2000	65	305	845	945	1555	160	white	18171
Duo HLS 300	300	3.2	560	1950	2000	65	305	845	945	1555	160	orange	18173
Duo HLS 300	300	3.2	560	1950	2000	65	305	845	945	1555	160	aluminium white	18172
Duo HLS 400	400	4.1	750	1630	1715	70	330	870	970	1470	198	white	18176
Duo HLS 400	400	4.1	750	1630	1715	70	330	870	970	1470	198	orange	18178
Duo HLS 400	400	4.1	750	1630	1715	70	330	870	970	1470	198	aluminium white	18177
Duo HLS 500	500	4.8	750	1830	1895	70	330	990	1090	1670	222	white	18181
Duo HLS 500	500	4.8	750	1830	1895	70	330	990	1090	1670	222	orange	18183
Duo HLS 500	500	4.8	750	1830	1895	70	330	990	1090	1670	222	aluminium white	18182



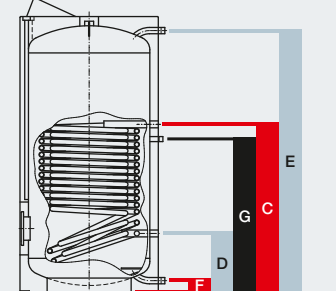
SCHEME DUO SOLAR 300-500



SCHEME DUO SOLAR 750-1000



SCHEME DUO HLS 300-500







# Flamco

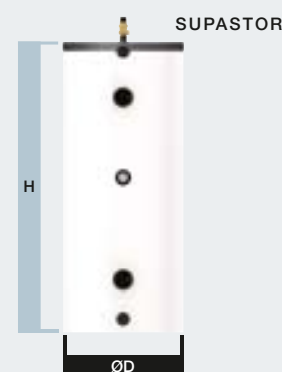
## Flamco Supastor, LS, LS/E and ESP storage tanks and boilers

- ◆ Supastor direct (DWH) and indirect water heaters for potable water installations.
- ◆ Supastor DWH: maximum permitted operating pressure: 10 bar.
- ◆ LS, LS/E: maximum permitted operating pressure: 10 bar.
- ◆ LS, LS/E en ESP: maximum permitted operating temperature: 95 °C (368 K).
- ◆ ESP: maximum permitted operating pressure – internal tank (water) / external tank (heating): 10/3 bar.
- ◆ ESP: maximum permitted operating temperature – internal tank (water) / external tank (heating): 95/110 °C (368 K / 383 K).



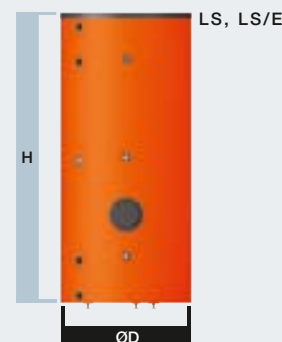
### Models and dimensions SUPASTOR

Type	Nominal capacity/l	Coil surface m <sup>2</sup>	Ø with insulation/mm	Height with insulation/mm	Weight in kg	Code number
Indirect-120	120	0.5	560	940	47	17311
Indirect-150	150	0.6	560	1040	51	17312
Indirect-180	180	0.6	560	1190	55	17313
Indirect-210	210	0.9	560	1340	65	17314
Indirect-250	250	1	560	1590	71	17315
Indirect-300	300	1.4	560	1840	77	17316
Direct- 120	120	-	560	940	38	17301
Direct- 150	150	-	560	1040	40	17302
Direct- 180	180	-	560	1190	44	17303
Direct- 210	210	-	560	1340	48	17304
Direct- 250	250	-	560	1590	54	17305
Direct- 300	300	-	560	1840	60	17306
Direct- 500	500	-	560	1630	-	17320
Direct- 750	750	-	750	1970	-	17321
Direct-1000	1000	-	800	2230	-	17322
Direct-1500	1500	-	1000	2320	-	17325
Direct-2000	2000	-	1100	2440	-	17326
Direct-3000	3000	-	1200	3100	-	17327



### Models and dimensions LS

Type	Capacity in litres	Dimensions in mm	from 500 l on excl. insulation	Weight in kg	Code number
		Ø D	H	Tip dimension	
LS 200	200	560	1360	1500	55
LS 300	300	560	1860	2000	69
LS 500	500	650	1640	1800	125
LS 750	750	750	1970	2070	190
LS 1000	1000	800	2230	2320	232
LS 1500	1500	1000	2320	2480	397
LS 2000	2000	1100	2440	2600	474

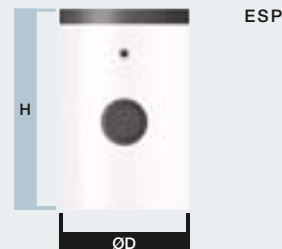


Standard colours: orange RAL 2004 and white RAL 9010. Special colours available on request. Please indicate which colour of insulation you require.

\* LS 200 white: codenumber 18623; LS 200 orange: 18622; LS 200 aluminium white: 18624.  
LS 300 white: codenumber 18633; LS 300 orange: 18632; LS 300 aluminium white: 18634.

### Models and dimensions LS/E

Type	Capacity in litres	Dimensions in mm	from 500 l on excl. insulation	Weight in kg	Code number
		Ø D	H	Tip dimension	
LS/E 300	300	560	1860	2000	67
LS/E 500	500	650	1640	1800	94
LS/E 750	750	750	1970	2070	116
LS/E 1000	1000	800	2230	2320	131



Standard colours: orange RAL 2004 and white RAL 9010. Special colours available on request. Please indicate which colour of insulation you require.

\* LS/E 300 white: codenumber 18543; LS/E 300 orange: 18542; LS/E 300 aluminium white: 18544.

### Models and dimensions ESP

Type	Capacity in litres	Operating factor NL	Coil surface m <sup>2</sup>	Dimensions in mm excl. insulation	Weight in kg	Insulation colour	Code number
				Ø D	H	Tip dimension	
ESP 150	150	2.1	0.6	500	995	1120	48
ESP 200	200	4	0.9	500	1370	1470	60
ESP 300	300	8.1	1.4	500	1620	1720	70
ESP 400	400	16	1.9	600	1665	1800	80
ESP 500	500	20	1.9	600	1920	1950	95



# Flamco

## Flamco UHP basic and TS boilers, PS, PS/F and PS/R buffer tanks

- ◆ Maximum permitted operating pressure: UHP / TS: tank/coil: 10/16 bar.
- ◆ PS: maximum permitted operating pressure in tank: 3 bar.
- ◆ PS/R: buffer tank with welded coil for connecting an extra heat source (e.g. a solar-powered system).
- ◆ PS/R: corrosion-resistant undercoat, the inside is rough.



### Models and dimensions UHP basic en TS

Type	Capacity in litres	Operating factor NL	Coil surface m <sup>2</sup>	Dimensions in mm inc. insulation			Weight in kg	Insulation colour	Code number
				ØD	L	H	B		
UHP 110 basic	110	1.7	1.1	550		870		white	19069
UHP 160 basic	160	2.9	1.3	550		1120		white	19075
TS 120	120	1.6	0.4		830	600	600	white	19170
TS 150	150	2	0.6		1080	600	600	white	19180
TS 200	200	3.8	0.8		1330	600	600	white	19190

UHP 110 basic and UHP 160 basic without thermometer and cleaning/inspection port.  
Special models with thermometer and cleaning/inspection chamber available on request.  
Do not use insulation material for any purpose other than keeping in heat.

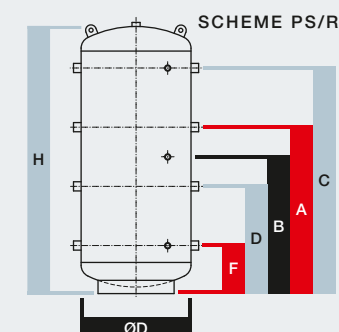
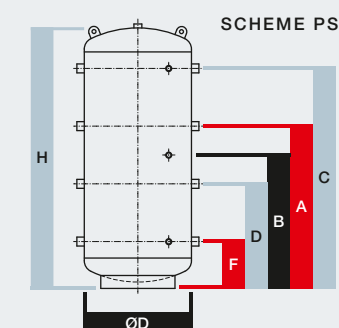
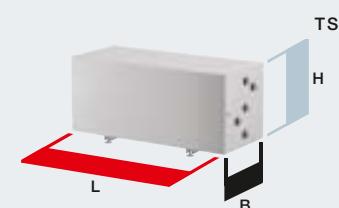
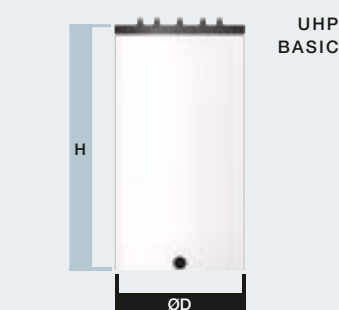
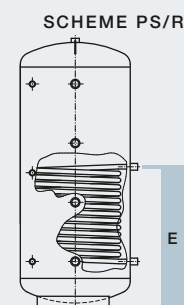
### Models and dimensions PS

Type	Capacity in litres	Dimensions in mm inc. insulation			Clearance from floor to connection ports in mm					Weight in kg	Code number insulation	Code number PS
		Ø D	H	Tip dimension	F	D	B	A	C			
PS 200	200	480	1300	1350	230	495	630	765	1030	52	18600	18602
PS 300	300	480	1800	1850	230	665	880	1095	1530	66	18607	18605
PS 500	500	650	1640	1700	285	635	810	985	1335	85	18758	18756
PS 750	750	750	1970	2000	320	755	970	1185	1620	126	18788	18786
PS 850	850	750	2220	2250	320	840	1095	1350	1870	138	18862	18793
PS 1000	1000	800	2230	2260	330	850	1105	1360	1880	184	18808	18806
PS 1000	1000	850	2000	2040	360	795	1060	1225	1660	174	18852	18850
PS 1200	1200	1000	1820	1880	390	740	915	1090	1440	217	18872	18843
PS 1500	1500	1000	2320	2380	390	910	1165	1420	1940	254	18818	18816
PS 1800	1800	1100	2200	2250	400	870	1100	1330	1800	272	18838	18856
PS 2000	2000	1100	2350	2400	400	920	1175	1430	1950	284	18828	18826
PS/F* 500	500	650	1640	1700						97	19007	19000
PS/F* 750	750	750	1970	2000						137	19017	19010
PS/F* 1000	1000	850	2000	2040						185	19037	19030

Standard colours: orange RAL 2004 and white RAL 9010. Special colours on request.  
Please indicate which colour of insulation you require. Use insulation only as heat-insulation.  
\* PS/F with cleaning/inspection port DN 205.

### Models and dimensions PS/R 500 - 1500

Type	Capacity in litres	Coil surface m <sup>2</sup>	Dimensions in mm inc. insulation			Clearance from floor to connection ports in mm					Weight in kg	Code number
			Ø D	H	Tip dimension	F	D	B	A	C	E	
PS/R 500	500	2	650	1640	1700	285	635	810	985	1335	845	18758
PS/R 750	750	2.2	750	1970	2000	320	755	970	1185	1620	880	18788
PS/R 1000	1000	2.7	850	2000	2040	360	795	1010	1225	1660	920	18852
PS/R 1500	1500	3	1000	2320	2380	390	910	1165	1420	1940	950	18818





# Flamco

## Flamco KPS, Duo FWS and FWP combination tanks

- ◆ KPS: maximum permitted operating pressure: buffer tank/water tank: 3/10 bar.
- ◆ KPS: maximum permitted operating pressure – coil : 10 bar.
- ◆ KPS: maximum permitted operating temperature: 95 °C (368 K).
- ◆ Duo FWS: combination buffer tank. For combining several types of heating system, such as biomass, oil, gas or solar power. Has a second coil for separate mains-water heating from solar-powered systems.
- ◆ FWP can be connected to heat pumps for hygienic potable-water heating in the built-in corrosion-resistant stainless steel ribbed spiral coil (heated surface: 7m<sup>2</sup>!)



### Models and dimensions KPS

Type	Capacity in litres		Heating surface of coils (m <sup>2</sup> )	Dimensions in mm		
	Total	Water		ØD	inc. insulation H	Tip dimension
KPS 500/150	500	150	2	650	1730	1700
KPS 750/200	750	230	2.2	750	2020	2200
KPS 1000/200	1000	230	2.7	850	2150	2280

### Models and dimensions KPS

Type	Clearance from floor to connection ports in mm										Weight in kg	Code number
	F	D	C	G	B	A	E	H	I	J		
KPS 500/150	65	285	805	905	385	705	1555	1365	265		163	19110
KPS 750/200	280	370	930	1030	470	830	1660	1570	270	1210	238	19080
KPS 1000/200	295	385	985	1085	485	885	1925	1835	285	1285	281	19090

Standard colours: orange RAL 2004 and white RAL 9010. Special colours on request.  
Please indicate which colour of insulation you require.

### Models and dimensions Duo FWS 750 - 1000

Type	Capacity in litres	Heating surface of coils (m <sup>2</sup> )	Solar heating surface (m <sup>2</sup> )	Dimensions in mm		
				Ø D	inc. insulation H	Tip dimension
Duo FWS 750	750	7	2.2	750	1950	2020
Duo FWS 1000	1000	7	2.7	800	2210	2280

### Models and dimensions Duo FWS 750 - 1000

Type	Clearance from floor to connection ports in mm													Weight in kg	Code number
	F	D	B	A	C	G	J	H	E	I	K	L	M		
Duo FWS 750	280	370	470	830	930	1030	1230	1570	1660	270	1670	680	985	240	18150
Duo FWS 1000	295	385	485	885	985	1085	1285	1835	1925	285	1935	695	1040	270	18160

### Models and dimensions FWP 750 - 1000

Type	Capacity in litres	Heating surface of coils (m <sup>2</sup> )	Dimensions in mm		
			Ø D	inc. insulation H	Tip dimension
FWP 750	750	7	750	1950	2020
FWP 1000	1000	7	800	2210	2280

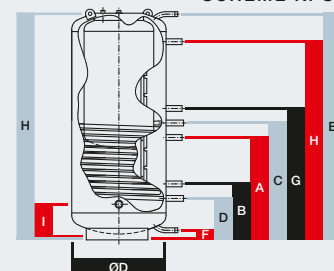
### Models and dimensions FWP 750 - 1000

Type	Clearance from floor to connection ports in mm											Weight in kg	Code number
	F	B	A	G	J	H	E	I	K	L	M		
FWP 750	280	470	830	1030	1230	1570	1660	270	1670	680	985	240	18151
FWP 1000	295	485	885	1085	1285	1835	1925	285	1935	695	1040	270	18161

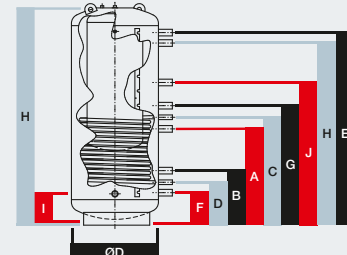
### Soft-foam insulation for Duo FWS and FWP

Type		Code number
Duo FWS / FWP 750	soft-foam insulation 80 mm	18158
Duo FWS / FWP 750	soft-foam insulation 120 mm	18156
Duo FWS / FWP 1000	soft-foam insulation 80 mm	18168
Duo FWS / FWP 1000	soft-foam insulation 120 mm	18167

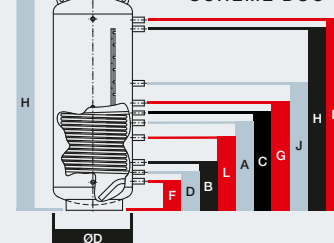
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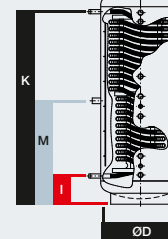
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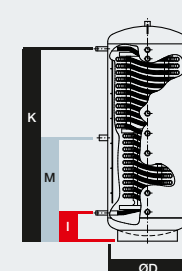
SCHEME DUO FWS



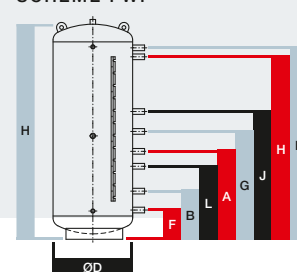
SCHEME DUO FWS



SCHEME FWP



SCHEME FWP





DUO WATER HEATER



SUPASTOR  
WATER HEATER



PS COOLING  
AND HEATING  
STORAGE TANKS



DUO FWS  
COMBINATION TANKS

## WATER HEATERS AND STORAGE TANKS

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On the Flamco CD you will find all available information of all Flamco products.

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