

Product Data Sheet (2021-03-22)

FlexTherm WPS-E

An indirectly heated water heater that can be used in combination with heat pumps.

A water heater specially developed for combination with heat pumps. The large surface area of the heating coils and their innovative Diabolo shape guarantee very efficient potable hot water production. This results in a short heat up time and guaranteed hot water performance.



Type	Capacity [l]	Dimensions *			Insulation colour	Weight [kg]	###	Order Code
		Ø [mm]	H [mm]	Tilting height [mm]				
FlexTherm WPS-E 200	181	595	1487	1558	silver	41	1	19930
FlexTherm WPS-E 300	283	675	1804	1884	silver	61	1	19931

* Dimensions including insulation.



Type	Distance from floor to connection centres							
	A [mm]	D [mm]	E [mm]	F/M [mm]	G1 [mm]	G2 [mm]	N [mm]	I [mm]
FlexTherm WPS-E 200	50	900	1010	1240	953	553	1240	1425
FlexTherm WPS-E 300	53	1158	1293	1543	1258	728	1543	1728

Technical specifications	FlexTherm WPS-E	
	200	300
Heating surface area of the coil [m ²]	2.5	2.9
Continuous power output (DIN 4708) [kW]	41 / 47	45 / 52
Service water flow (10 - 45 °C) [l/h]	1008 / 1163	1104 / 1284
Total heat loss (EN 12897) [W]	48	55
Insulation thickness [mm]	70	85
Energy label	B	B

Technical specifications	FlexTherm WPS-E	
	200	300
Heating water throughput [m ³ /h]	2 / 3	2 / 3
Pressure loss [mbar]	117 / 243	132 / 276
Performance index (60 °C) [NL]	6	9
Peak flow (T = 40 °C) [l/10 min.]*	707	868
Peak flow (T = 60 °C) [l/10 min.]*	424	543
Peak flow (T = 40 °C) [l/h]*	3472	4053
Peak flow (T = 60 °C) [l/h]*	1774	2103
Permanent flow (T = 40 °C) [l/h]*	3318	3822
Permanent flow (10 -> 40 °C, with water of 90 °C) [l/h]	3672	4260
Heat up time (10 -> 40 °C, with water of 90 °C) [min.]	3	3
Power output (at ΔT = 35 °C) [kW]	115.3	127.1
Heat up time (at ΔT = 35 °C) [min.]	4	5
Rated power output 85/65 °C coil [kW]	86.5	99.7
Continuous flow 85/65 °C [l/h]	474	1572
First hour continuous flow 85/65 °C [l]	648	1803
Pressure drop coil 85/65 °C [kPa]	35.3	51.5
Rated power output 90/70 °C coil [kW]	107.1	123.7
Continuous flow 90/70 °C [l/h]	293	1950
First hour continuous flow 90/70 °C [l]	467	2181
Pressure drop coil 90/70 °C [kPa]	51.8	75.9

* Hot leg temperature: 85 °C. Heating water throughput as per rated output 85/65 °C. Cold water temperature: 10 °C.

Advantages

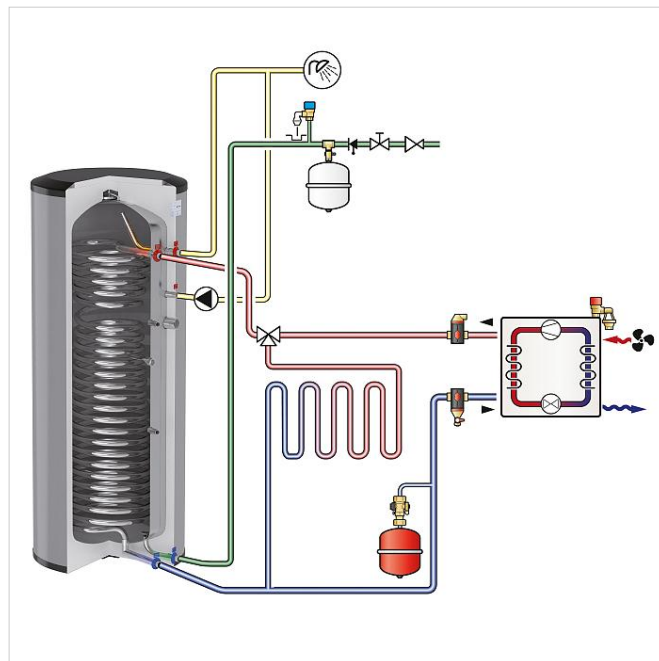
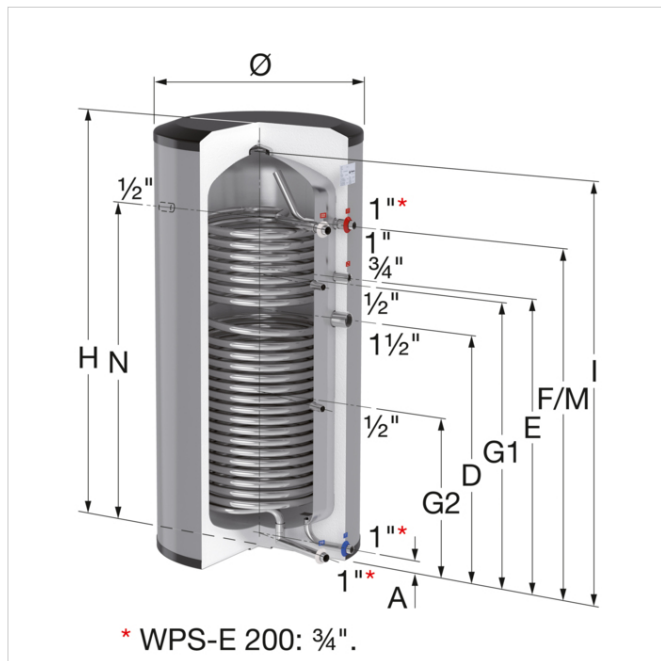
- Efficient: Minimum heat loss and very fast heating up.
- Requires little maintenance and no anode.
- Light weight.
- Excellent stratification of the water in the vessel.
- High resistance to chloride (up to 250 ppm).

Technical information

- Maximum working pressure: 10 bar (potable water vessel) / 40 bar (heating coil).
- Maximum working temperature: 95 °C (potable water vessel) / 110 °C (heating coil).
- Stainless steel type: 1.4521.
- Including an 1 ½" connection suitable for connecting an additional electric heating element.
- Insulation:

Standard colour: silver.

Including graphite polystyrene (GPS) insulation (direct foam injection) with a polypropylene outer shell (fire category B2).



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[CAD drawings](#)

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