



## Designed for heat pumps

DHW tanks with high efficiency coil with large heating surface

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**Standing hot water storage tanks** for domestic hot water preparation. The tank has a coil with a large surface area, which is designed for heat pump. The contact surface of the hot water with the tank is protected against corrosion by a layer of high quality enamel and 2 magnesium anodes\*. Complies with DIN 4753. This ensures that the hot water only comes into contact with a hygienically clean surface.

### Thermal insulation

Thermal insulation in the tanks is a layer of permanently bonded CFC-free polyurethane hard foam and a replaceable layer of PVC foil.

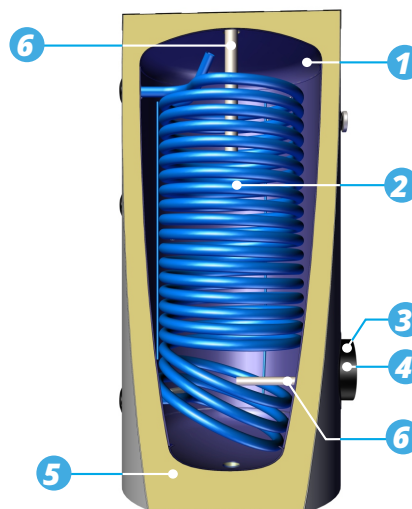
### Standard equipment

Inspection opening, thermometer, electric heater socket, 2 magnesium anodes\*, internal coil.

\*Optionally a titanium anode can be used.

### Technical description

- > Material: **S235JR**
- > Welding: **automatic** welding
- > Protection: **high-quality** enamel coating and 2 protective anodes
- > Maximum operating pressure of the tank: **10 bar**
- > Maximum test pressure: **15 bar**
- > Maximum operating temperature: **95°C**
- > Insulation: **50mm** thick polyurethane foam
- > Outer jacket: color **gray**
- > Heat exchangers: steel pipe **P235GH**
- > Inspection opening: **ø122mm/ø179mm**



- 1 High-quality enamel** for reliable corrosion protection
- 2 High efficiency coil** with increased surface area for heat pumps
- 3 Connection socket** for mounting a dedicated **UV-20 disinfection system**
- 4 Inspection opening** for easy cleaning, possibility to install a heater
- 5 PUR foam insulation** for **excellent thermal insulation**
- 6 Protective magnesium anode** for corrosion protection

Capacity	L	150	200	300	400	500	
Coefficient of performance $N_e$		4,8	8	27,8	35,7	47,4	
Constant performance* (80/10/45)**	kW	45	57	83	91	105	
Constant performance* (80/10/45)**	l/h	1120	1400	2040	2230	2580	
Max. permissible temp. (tank/coil)	°C	95/110	95/110	95/110	95/110	95/110	
Max. permissible pressure (tank/coil)	bar	10/16	10/16	10/16	10/16	10/16	
Heat exchanger capacity	l	8,4	10,3	17,6	20,5	21,9	
Heat exchanger surface	m <sup>2</sup>	1,45	1,9	3,2	3,7	4,6	
Insulation	mm	50	50	50	50	50	
Diameter with insulation	D	mm	607	607	657	757	757
Tank diameter (without insulation)	P	mm	500	500	550	650	650
Height/diagonal	H	mm	1076/1235	1306/1395	1472/1557	1521/1637	1783/1891
Drainage	h1	mm	74	74	74	74	74
Cold water	h2	mm	261	259	272	294	295
Heat pump (return)	h3	mm	263	348	263	304	306
DHW sensor	h4	mm	503	463	547	554	722
DHW sensor	h5	mm	633	733	795	854	1082
Circulation	h6	mm	762	872	884	1051	1264
DHW sensor	h7	mm	763	1003	1032	1154	1442
Heat pump (supply)	h8	mm	853	1088	1246	1268	1542
Hot water	h9	mm	853	1092	1229	1251	1532
Magnesium anode	h10	mm	1073	1281	1444	1494	1756
Thermometer	h11	mm	853	993	1138	1192	1386
Heater socket	h12	mm	386	384	402	436	436
Inspection hole	h13	mm	371	369	387	421	421
Magnesium anode	h14	mm	356	334	352	386	386
<b>Connections</b>							
Cold water/warm water	h2/h9	G	1"/1"	1"/1"	1"/1"	1"/1"	1"/1"
Circulation	h6	G	3/4"	3/4"	3/4"	3/4"	3/4"
Heat pump (supply/return)	h8/h3	G	1"/1"	1"/1"	1"/1"	1"/1"	1"/1"
Inspection opening	h13	mm	122/179	122/179	122/179	122/179	122/179
DHW sensor	h4/h5/h7	G	1/2"	1/2"	1/2"	1/2"	1/2"
Thermometer	h11	G	1/2"	1/2"	1/2"	1/2"	1/2"
Anode	h10	G	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Anode	h14		M8	M8	M8	M8	M8
Heater socket	h12	G	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Drainage	h1	G	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
Weight (empty)	kg		78	99	134	188	227

G - internal thread type G

\* at heating medium flow rate of 2,5 m<sup>3</sup>/h

\*\* 80/10/45 - (heating medium inlet temperature/ supply water temperature/ DHW temperature)

