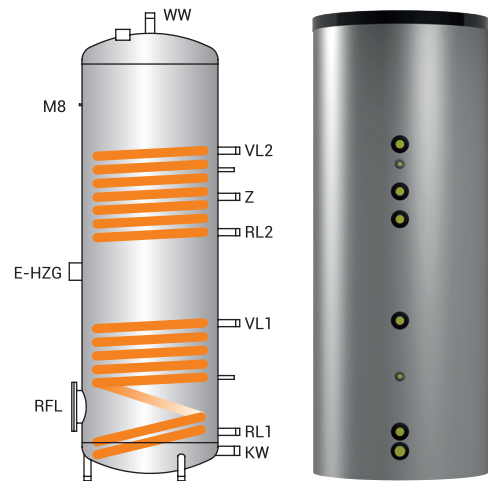


Solar storage tank ESS-PU

Product description

- » Material: S235JR+N steel, internal enamelled, external primer coat
- » Compressive strenght: 10 bar
- » Technical features: two large bare-tube heat exchanger, Magnesium protection anode 1¼", Sensor sleeve, Thermometer, Inspection flange 180 x 110 x LK 150
- » Connections: Standard 1 ½" sleeve for retrofitting an electric heating, flat-sealing external threads
- » Insulation: 50 mm PU rigid foam insulation with Sky-coating
- » **SVGW certified:** ESS-PU 200 - 500 l (No. 1103-5831)
- » Levelling feet see list of accessories
- » the storage tanks ESS-PU 200 and 300 l are suited for our heating pump VARIO S



Technical data

Storage type	ESS-PU	200	300
Contents	[Litres]	200	300
Energy efficiency class			
Heat retaining loss (with insulation)	[Watt]	84	90
Diameter without insulation	[mm]	500*	500*
Diameter with insulation	[mm]	600	600
Insulation	[mm]	50*	50*
Height with insulation	[mm]	1232	1697
Tilted height	[mm]	1370	1800
Heating surface top/bottom	[m²]	0,6 / 0,8	0,8 / 1,2
Water content WT top/bottom	[Litres]	3,8 / 5,0	5,0 / 7,5
Flow rate WT top/bottom	[m³/h]	0,7 / 1,2	1,0 / 1,6
Pressure WT top/bottom	[mbar]	30 / 70	35 / 90
NL number** top/bottom according to DIN 4708		1,23 / 3,6	1,8 / 8
Continuous output top/bottom according to DIN [l/h] (kW) 4708 (10°/80°/45°)		410 (16,7) / 710 (28,9)	605 (24,6) / 970 (39,5)
max. T/ max. P - TW	[°C/bar]	95 / 10	95 / 10
max. T/ max. P - GWT-HZG***	[°C/bar]	160 / 25	160 / 25
Cold water / hot water AG (KW/WW)	[Inch]	G 1	G 1
Circulation AG (Z)	[Inch]	G ¾	G ¾
Heat exchanger all AG (VL/RL)	[Inch]	G ¾	G ¾
Electric heating IG (E-HZG)	[Inch]	G 1 ½	G 1 ½
Nominal width of control flange (RFL)		DN 110	DN 110
Sensor/controller connections (F1, F2)	Sensor sleeve, internal diameter = 9 mm		
Thermometer connections	M8 thermometer option		
Dimensions			
KW	[mm]	110	110
RL 1	[mm]	180	180
VL 1	[mm]	630	580
RL 2	[mm]	780	945
Z	[mm]	880	1045
VL 2	[mm]	990	1215
WW	[mm]	top	top
E-HZG	[mm]	705	770
Weight	[kg]	85	114

* Insulation not removable ** In order to achieve the specified NL number, the boiler output must be higher than the specified continuous output.
 *** Operating media for heat exchanger: water in liquid state only.