

HRWP 850 - 1500



Combined storage tank heat pump, solar HRWP 850 - 1500

Application

The combined system storage tank for the heat pump. With clear zone separation thanks to polyethylene separation baffles. Hygienic hot water preparation thanks to built-in stainless steel corrugated pipe.

Corrosion protection for parts with drinking water contact

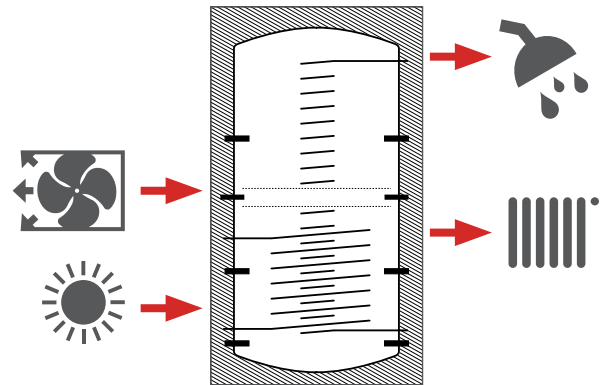
Stainless steel

External corrosion protection

Powder coating

Heat insulation

110 PU rigid foam half-shell with soft sleeve



Model overview HRWP 850 - 1500

Type	Article no.	Volume	Height with insulation	Tilt height	Installation diameter	Weight (empty)	Surface HE corrugated pipe / HE bottom	Energy efficiency class
Unit	[-]	[l]	[mm]	[mm]	[mm]	[kg]	[m²]	[-]
HRWP 850	STD0850HRWP	826	1980	1985	790	175	6 / 2.4	C
HRWP 1000	STD1000HRWP	903	2130	2140	790	181	6 / 2.4	C
HRWP 1500	STD1500HRWP	1526	2260	2260	1000	301	9.8 / 2.4	C

Heat pump storage tank

Technical specifications HRWP 850 - 1500

Type	Unit	HRWP 850	HRWP 1000	HRWP 1500
Article no.	[-]	STD0850HRWP	STD1000HRWP	STD1500HRWP
Volume	[l]	826	903	1526
Drinking water content	[l]	30.5	30.5	50.5
Content heating side	[l]	786.7	858.2	1454
Content HE bottom	[l]	12.8	15.3	23.5
Height with insulation	[mm]	1980	2130	2260
Diameter with insulation	[mm]	1030	1030	1240
Diameter without insulation	[mm]	790	790	1000
Tilt height	[mm]	1985	2140	2260
Installation diameter	[mm]	790	790	1000
Weight (empty)	[kg]	175	181	301
Max. operating pressure heating side	[bar]	3	3	3
Test pressure heating side	[bar]	4.5	4.5	4.5
Max. operating pressure hot drinking water side	[bar]	6	6	6
Test pressure hot drinking water side	[bar]	9	9	9
Max. operating pressure solar side	[bar]	10	10	10
Test pressure solar side	[bar]	15	15	15
Max. operating temperature heating side	[°C]	95	95	95
Max. operating temperature hot drinking water side	[°C]	95	95	95
Max. operating temperature solar side	[°C]	95	95	95
Surface HE corrugated pipe	[m ²]	6	6	9.8
Surface HE bottom	[m ²]	2.4	2.4	3.9
Insulation thickness	[mm]	110	110	110
Max. installation length EHP	[mm]	800	800	1000
Max. output EHP	[kW]	9	9	9
On-demand heat overhead	[kWh/d]	2.6	3	3.3
Holding losses	[W]	124	135	171
Energy efficiency class	[-]	C	C	C
Insulation material	[-]	PU rigid foam shell ($\lambda=0.024$ W/mK)		
Corrosion protection	[-]	stainless steel		

Connections and dimensions HRWP 850 - 1500

Connections		Unit	HRWP 850	HRWP 1000	HRWP 1500
VENT	Ventilation	[mm]	1880 1¼" IT	2030 1¼" IT	2160 1¼" IT
BS	Boiler supply	[mm]	1740 1½" IT	1890 1½" IT	1955 1½" IT
BR	Boiler return	[mm]	240 1½" IT	240 1½" IT	305 1½" IT
HPS	Heat pump supply	[mm]	940 1½" IT	1090 1½" IT	1105 1½" IT
HES	Heating supply	[mm]	940 1½" IT	1090 1½" IT	1105 1½" IT
HPR 1	Heat pump return 1	[mm]	1255 1½" IT	1405 1½" IT	1440 1½" IT
HPR 2	Heat pump return 2	[mm]	565 1½" IT	690 ½" IT	720 1½" IT
SLS	Solar supply	[mm]	595 1" IT	660 1" IT	735 1" IT
SLR	Solar return	[mm]	320 1" IT	300 1" IT	385 1" IT
DRN	Draining	[mm]	140 1½" IT	140 1½" IT	205 1½" IT
HW	Hot water	[mm]	1640 1" OT	1790 1" OT	1855 1" OT
EHC 1	Electric heating cartridge 1	[mm]	1145 1½" IT	1295 1½" IT	1250 1½" IT
EHC 2	Electric heating cartridge 2	[mm]	735 1½" IT	870 1½" IT	910 1½" IT
CW	Cold water	[mm]	240 1" OT	240 1" OT	305 1" OT
HER1	Heating return 1	[mm]	565 1½" IT	690 1½" IT	720 1½" IT
HER2	Heating return 2	[mm]	240 1½" IT	240 1½" IT	305 1½" IT
S/TH	Sensor/Thermometer	[mm]	1555 Ø 17.2 mm	1705 Ø 17.2 mm	1770 Ø 17.2 mm
HPS	Hot water post-heating sensor	[mm]	1305 Ø 17.2 mm	1455 Ø 17.2 mm	1500 Ø 17.2 mm
SHP	Heating sensor post-heating	[mm]	665 Ø 17.2 mm	800 Ø 17.2 mm	840 Ø 17.2 mm
SS	Solar sensor	[mm]	458 Ø 17.2 mm	480 Ø 17.2 mm	520 Ø 17.2 mm

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