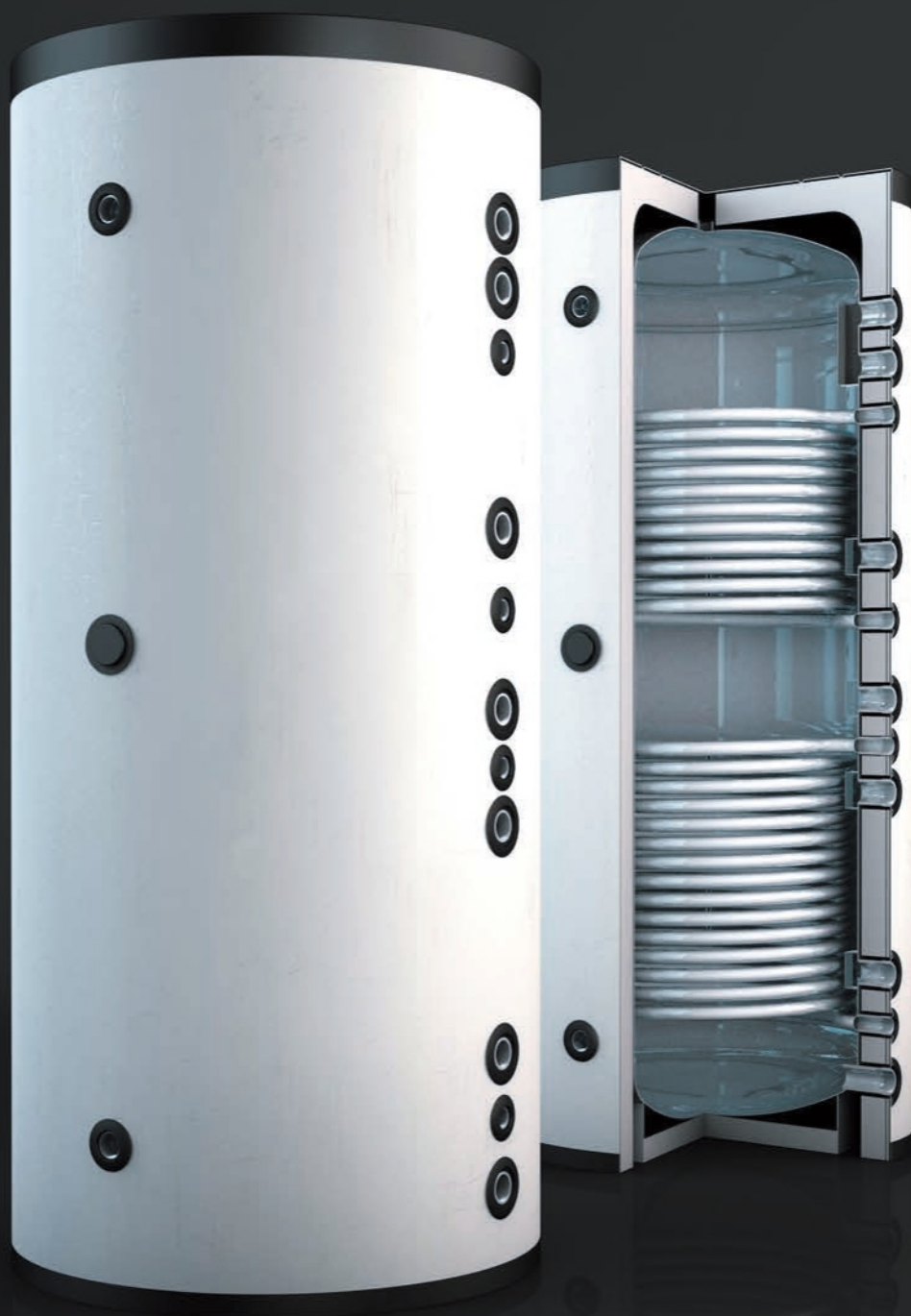


PRR 800 - 2000



Buffer storage tank solar PRR 800 - 2000

Application

Buffer tanks for heating applications with two smooth tube heat exchangers for an additional heating source, e.g., a solar heating system

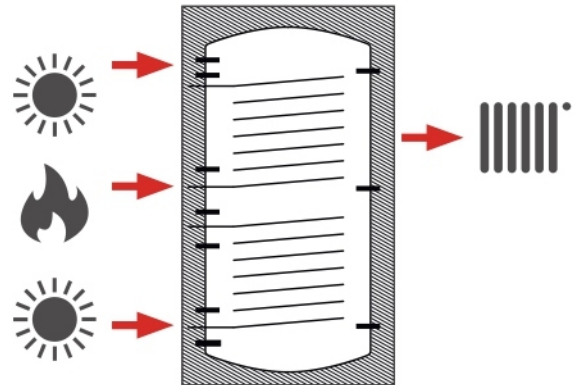
External corrosion protection

Powder coating up to 2000 l, primed >2,500 l

Heat insulation

Type 500-1000: 70 mm PU rigid foam half-shell with soft sleeve

Type 1250-2000: 85 mm PU rigid foam half-shell with soft sleeve



Model overview PRR 800 - 2000

Type	Article no.	Volume	Height with insulation	Tilt height	Installation diameter	Weight (empty)	Surface HE top / bottom	Efficiency class
Unit	[-]	[l]	[mm]	[mm]	[mm]	[kg]	[m ²]	[-]
PRR 800	STD08000PRR	772	1970	1950	750	185	2 / 2.4	C
PRR 1000	STD01000PRR	926	2120	2100	790	192	2.3 / 3.1	C
PRR 1500	STD01500PRR	1526	2220	2220	1000	308	3.2 / 3.5	C
PRR 2000	STD02000PRR	1998	2420	2410	1100	369	3.5 / 3.8	C

Buffer storage tank

Technical specifications PRR 800 - 2000

Type	Unit	PRR 800	PRR 1000	PRR 1500	PRR 2000
Article no.	[-]	STD0800PRR	STD01000PRR	STD01500PRR	STD02000PRR
Volume	[l]	772	902	1526	1998
Content heating side	[l]	747.7	875.2	1494.8	1959.5
Content HE top	[l]	12.8	14	14.8	16
Content HE bottom	[l]	11.5	12.8	16.4	22.5
Height with insulation	[mm]	1970	2120	2220	2420
Diameter with insulation	[mm]	910	950	1200	1300
Diameter without insulation	[mm]	750	790	1000	1100
Tilt height	[mm]	1950	2100	2220	2410
Installation diameter	[mm]	750	790	1000	1100
Weight (empty)	[kg]	185	192	308	369
Max. operating pressure heating side	[bar]	3	3	3	3
Test pressure heating side	[bar]	4.5	4.5	4.5	4.5
Max. operating pressure solar side	[bar]	10	10	10	10
Test pressure solar side	[bar]	15	15	15	15
Max. operating temperature heating side	[°C]	95	95	95	95
Max. operating temperature solar side	[°C]	95	95	95	95
Surface HE top	[m ²]	2	2.3	3.2	3.5
Surface HE bottom	[m ²]	2.4	3.1	3.5	3.8
Insulation thickness	[mm]	70	70	85	85
Max. installation length EHP	[mm]	750	800	1000	1100
Max. output EHP	[kW]	7.5	9	9	9
On-demand heat overhead	[kWh/d]	3.2	3.4	4.1	4.5
Holding losses	[W]	133	144	171	185
Efficiency class	[-]	C	C	C	C
Insulation material	[-]	PU rigid foam shell ($\lambda=0.024$ W/mK)			

Connections and dimensions PRR 800 - 2000

Connections		Unit	PRR 800	PRR 1000	PRR 1500	PRR 2000
BS1	Boiler supply 1	[mm]	1670 1½" IT	1820 1½" IT	1835 1½" IT	2000 1½" IT
BS2	Boiler supply 2	[mm]	1560 1½" IT	1710 1½" IT	1725 1½" IT	1890 1½" IT
HES 1	Heating supply 1	[mm]	1150 1½" IT	1300 1½" IT	1285 1½" IT	1380 1½" IT
BR1	Boiler return 1	[mm]	870 1½" IT	990 1½" IT	975 1½" IT	1030 1½" IT
SLS 1	Solar supply 1	[mm]	770 1" IT	890 1" IT	875 1" IT	930 1" IT
SLS 2	Solar supply 2	[mm]	1450 1" IT	1600 1" IT	1585 1" IT	1790 1" IT
HER1	Heating return 1	[mm]	670 1½" IT	790 1½" IT	775 1½" IT	830 1½" IT
BR2	Boiler return 2	[mm]	400 1½" IT	400 1½" IT	465 1½" IT	480 1½" IT
SLR1	Solar return 1	[mm]	290 1" IT	290 1" IT	355 1" IT	370 1" IT
SLR2	Solar return 2	[mm]	1050 1" IT	1160 1" IT	1105 1" IT	1270 1" IT
HER2	Heating return 2	[mm]	170 1½" IT	170 1½" IT	235 1½" IT	250 1½" IT
FWS	Fresh water supply	[mm]	1670 1¼" IT	1820 1¼" IT	1835 1¼" OT	2000 1¼" IT
EHC	Electric heating cartridge	[mm]	950 1½" IT	1100 1½" IT	1065 1½" IT	1230 1½" IT
FWR	Fresh water return	[mm]	270 1¼" IT	270 1¼" IT	335 1¼" OT	350 1¼" IT
VENT	Ventilation	[mm]	1910 1¼" IT	2060 1¼" IT	2140 1¼" IT	2320 1¼" IT
SR	Sensor rail	[mm]	x	x	x	x

PRR 800 - 2000

