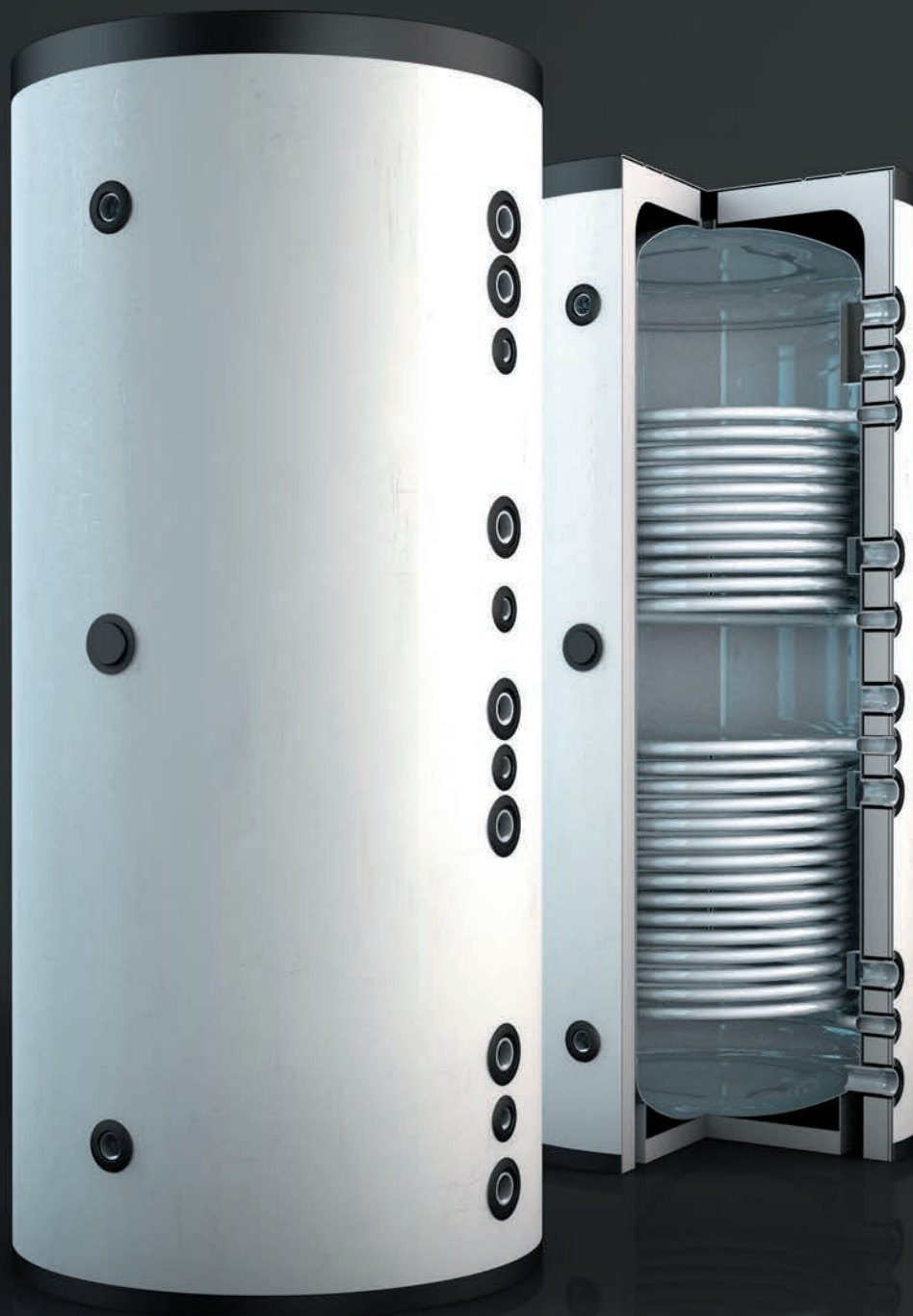


PRR 500 - 2000



Buffer storage tank solar PRR 500 - 2000

Application

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

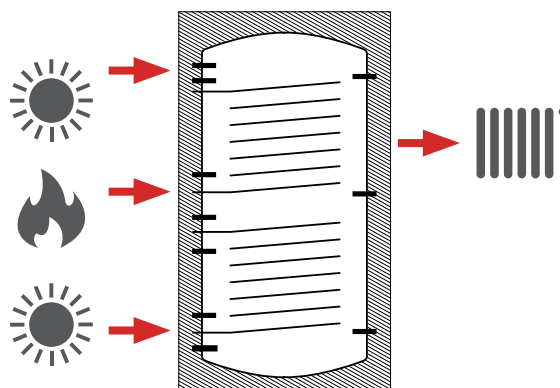
External corrosion protection

Powder-coated up to 2000 l, primed >2,500 l

Heat insulation

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

Type 1500-2000: 110 mm PU rigid foam half-shell with soft sleeve



Model overview PRR 500 - 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]	[m²]	[-]
PRR 500	STD0500PRR	497	1750	1740	650	198	1,2 / 1,8	C
PRR 800	STD0800PRR	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.02	1526	2240	2240	1000	308	3,2 / 3,5	C
PRR 2000	STD02000PRR.02	1998	2420	2430	1100	369	3,5 / 3,8	C

Technical specifications PRR 500 - 2000

Type	Unit	PRR 500	PRR 800	PRR 1000	PRR 1500	PRR 2000
Article no.	[-]	STD0500PRR	STD0800PRR	STD01000PRR	STD01500PRR.02	STD02000PRR.02
Volume	[l]	497	772	902	1526	1998
Content heating side	[l]	451	747.7	875.2	1483	1971.5
Content heat exchanger top	[l]	7	12.8	14	20.5	22.5
Content heat exchanger bottom	[l]	11	11.5	12.8	22.5	24
Height with insulation	[mm]	1750	1970	2120	2240	2420
Diameter with insulation	[mm]	810	910	950	1250	1350
Diameter without insulation	[mm]	650	750	790	1000	1100
Tilt height	[mm]	1740	1950	2100	2240	2430
Installation diameter	[mm]	650	750	790	1000	1100
Weight (empty)	[kg]	198	185	192	308	369
Max. operating pressure heating side	[bar]	3	3	3	3	3
Test pressure heating side	[bar]	4.5	4.5	4.5	4.5	4.5
Max. operating pressure solar side	[bar]	10	10	10	10	10
Test pressure solar side	[bar]	15	15	15	15	15
Max. operating temperature heating side	[°C]	95	95	95	95	95
Max. operating temperature solar side	[°C]	110	95	95	95	95
Surface heat exchanger top	[m²]	1.2	2	2.3	3.2	3.5
Surface heat exchanger bottom	[m²]	1.8	2.4	3.1	3.5	3.8
Insulation thickness	[mm]	70	70	70	110	110
Max. installation length EHP	[mm]	500	750	800	1000	1100
Max. output EHP	[kW]	-	7.5	9	9	9
On-demand heat overhead	[kWh/d]	2.5	3.2	3.4	4.1	4.5
Holding losses	[W]	104	133	144	171	185
Efficiency class	[-]	C	C	C	C	C
Insulation material	[-]	PU rigid foam shell				

Connections and dimensions PRR 500 - 2000

Connections		Unit	PRR 500	PRR 800	PRR 1000	PRR 1500	PRR 2000
KV1	Boiler supply 1	[mm]	1470 1½" IT	1670 1½" IT	1820 1½" IT	1835 1½" IT	2000 1½" IT
KV2	Boiler supply 2	[mm]	1360 1½" IT	1560 1½" IT	1710 1½" IT	1725 1½" IT	1890 1½" IT
HZV1	Heating supply 1	[mm]	1050 1½" IT	1150 1½" IT	1300 1½" IT	1285 1½" IT	1380 1½" IT
KR1	Boiler return 1	[mm]	820 1½" IT	870 1½" IT	990 1½" IT	975 1½" IT	1030 1½" IT
SVL1	Solar supply 1	[mm]	720 1" IT	770 1" IT	890 1" IT	875 1" IT	930 1" IT
SVL2	Solar supply 2	[mm]	1250 1" IT	1450 1" IT	1600 1" IT	1585 1" IT	1790 1" IT
HZR1	Heating return 1	[mm]	620 1½" IT	670 1½" IT	790 1½" IT	775 1½" IT	830 1½" IT
KR2	Boiler return 2	[mm]	390 1½" IT	400 1½" IT	400 1½" IT	465 1½" IT	480 1½" IT
SRL1	Solar return 1	[mm]	280 1" IT	290 1" IT	290 1" IT	355 1" IT	370 1" IT
SRL2	Solar return 2	[mm]	950 1" IT	1050 1" IT	1160 1" IT	1105 1" IT	1270 1" IT
HZR2	Heating return 2	[mm]	150 1½" IT	170 1½" IT	170 1½" IT	235 1½" IT	250 1½" IT
FWV	Fresh water supply	[mm]	1410 1" OT	1670 1¼" IT	1820 1¼" IT	1835 1¼" OT	2000 1¼" IT
EHP	Electric heating cartridge	[mm]	900 1½" IT	950 1½" IT	1100 1½" IT	1065 1½" IT	1230 1½" IT
FWR	Fresh water return	[mm]	260 1" OT	270 1¼" IT	270 1¼" IT	335 1¼" OT	350 1¼" IT
ENT	Ventilation	[mm]	1670 1¼" IT	1910 1¼" IT	2060 1¼" IT	2170 1¼" IT	2350 1¼" IT
FKL	Sensor rail	[mm]	x	x	x	x	x

PRR 500 - 2000

