

P 500 - 5000



Buffer storage tank

P 500 - 5000

Application

Buffer tank for heating applications

External corrosion protection

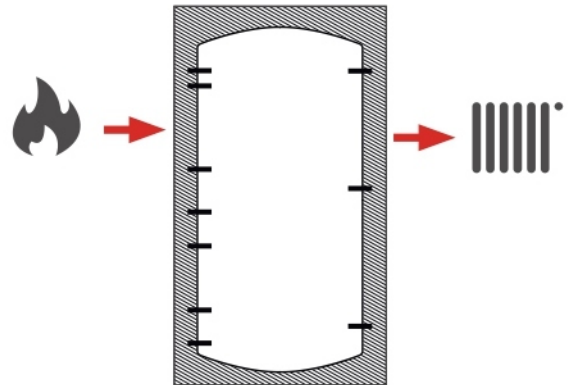
Powder coating up to 2,000 l, primed >2,500 l

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

Type 2500-5000: 100 mm soft foam insulation with soft sleeve



Model overview P 500 - 5000

Type	Article no.	Volume	Height with insulation	Tilt height	Installation diameter	Weight (empty)	Efficiency class
Unit	[-]	[l]	[mm]	[mm]	[mm]	[kg]	[-]
P 500	STD0500P	497	1750	1740	650	95	C
P 800	STD0800P	772	1970	1950	750	145	C
P 1000	STD01000P	902	2120	2100	790	154	C
P 1250	STD01250P	1283	2080	2080	950	190	C
P 1500	STD01500P	1526	2220	2220	1000	231	C
P 2000	STD02000P	1998	2420	2410	1100	276	C
P 2500	STD02500P	2347	2280	2366	1250	293	-
P 3000	STD03000P	2899	2715	2768	1250	340	-
P 4000	STD04000P	3821	2835	2893	1400	440	-
P 5000	STD05000P	5057	2870	2957	1600	523	-

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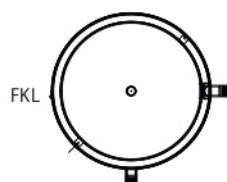
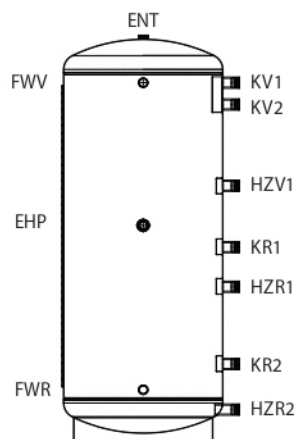
Technical specifications P 500 - 5000

Type	Unit	P 500	P 800	P 1000	P 1250	P 1500	P 2000	P 2500	P 3000	P 4000	P 5000	
Article no.	[-]	STD0500P	STD0800P	STD01000P	STD01250P	STD01500P	STD02000P	STD02500P	STD03000P	STD04000P	STD05000P	
Volume	[l]	497	772	902	1283	1526	1998	2347	2899	3821	5057	
Height with insulation	[mm]	1750	1970	2120	2080	2220	2420	2280	2715	2835	2870	
Diameter with insulation	[mm]	810	910	950	1150	1200	1300	1450	1450	1600	1800	
Diameter without insulation	[mm]	650	750	790	950	1000	1100	1250	1250	1400	1600	
Tilt height	[mm]	1740	1950	2100	2080	2220	2410	2366	2768	2893	2957	
Installation diameter	[mm]	650	750	790	950	1000	1100	1250	1250	1400	1600	
Weight (empty)	[kg]	95	145	154	190	231	276	293	340	440	523	
Max. operating pressure heating side	[bar]	3	3	3	3	3	3	3	3	3	3	
Test pressure heating side	[bar]	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
Max. operating temperature heating side	[°C]	95	95	95	95	95	95	95	95	95	95	
Insulation thickness	[mm]	70	70	70	85	85	85	100	100	100	100	
Max. installation length EHP	[mm]	650	750	800	800	1000	1100	1250	1250	1400	1600	
Max. output EHP	[kW]	6	7.5	9	9	9	9	9	9	9	9	
On-demand heat overhead	[kWh/d]	2.50	3.10	3.40	3.90	4.10	4.50	-	-	-	-	
Holding losses	[W]	104	129	141	163	171	185	-	-	-	-	
Efficiency class	[-]	C	C	C	C	C	C	-	-	-	-	
Insulation material	[-]	PU rigid foam shell ($\lambda=0.024$ W/mK)						Soft foam ($\lambda=0.041$ W/mK)				

Connections and dimensions P 500 - 5000

Connections		Unit	P 500	P 800	P 1000	P 1250	P 1500	P 2000	P 2500	P 3000	P 4000	P 5000
BS1	Boiler supply 1	[mm]	"1410 1½" IT"	"1670 1½" IT"	"1820 1½" IT"	"1715 1½" IT"	"1835 1½" IT"	"2000 1½" IT"	"1855 1½" IT"	"2330 1½" IT"	"2410 1½" IT"	"2520 1½" IT"
BS2	Boiler supply 2	[mm]	"1300 1½" IT"	"1560 1½" IT"	"1710 1½" IT"	"1605 1½" IT"	"1725 1½" IT"	"1890 1½" IT"	"1855 1½" IT"	"2330 1½" IT"	"2410 1½" IT"	"2520 1½" IT"
HES 1	Heating supply 1	[mm]	"1020 1½" IT"	"1150 1½" IT"	"1300 1½" IT"	"1195 1½" IT"	"1285 1½" IT"	"1380 1½" IT"	"1415 1½" IT"	"1680 1½" IT"	"1860 1½" IT"	"1810 1½" IT"
HES 2	Heating supply 2	[mm]	-	-	-	-	-	-	"1415 1½" IT"	"1680 1½" IT"	"1860 1½" IT"	"1810 1½" IT"
BR1	Boiler return 1	[mm]	"820 1½" IT"	"870 1½" IT"	"990 1½" IT"	"915 1½" IT"	"975 1½" IT"	"1030 1½" IT"	"975 1½" IT"	"1020 1½" IT"	"1110 1½" IT"	"1100 1½" IT"
HER1	Heating return 1	[mm]	"620 1½" IT"	"670 1½" IT"	"790 1½" IT"	"715 1½" IT"	"775 1½" IT"	"830 1½" IT"	"975 1½" IT"	"1020 1½" IT"	"1110 1½" IT"	"1100 1½" IT"
BR2	Boiler return 2	[mm]	"390 1½" IT"	"400 1½" IT"	"400 1½" IT"	"445 1½" IT"	"465 1½" IT"	"480 1½" IT"	"535 1½" IT"	"380 1½" IT"	"505 1½" IT"	"400 1½" IT"
HER 2	Heating return 2	[mm]	"150 1½" IT"	"170 1½" IT"	"170 1½" IT"	"215 1½" IT"	"235 1½" IT"	"250 1½" IT"	"535 1½" IT"	"380 1½" IT"	"505 1½" IT"	"400 1½" IT"
FWS	Fresh water supply	[mm]	"1410 1¼" IT"	"1670 1¼" IT"	"1820 1¼" IT"	"1715 1¼" IT"	"1835 1¼" IT"	"2000 1¼" IT"	-	-	-	-
EHC	Electric heating cartridge	[mm]	"900 1½" IT"	"950 1½" IT"	"1100 1½" IT"	"995 1½" IT"	"1065 1½" IT"	"1230 1½" IT"	-	-	-	-
FWR	Fresh water return	[mm]	"260 1¼" IT"	"270 1¼" IT"	"270 1¼" IT"	"315 1¼" IT"	"335 1¼" IT"	"350 1¼" IT"	-	-	-	-
VENT	Ventilation	[mm]	"1690 1¼" IT"	"1910 1¼" IT"	"2060 1¼" IT"	"2000 1¼" IT"	"2140 1¼" IT"	"2320 1¼" IT"	"2280 1¼" IT"	"2715 1¼" IT"	"2835 1¼" IT"	"2870 1¼" IT"
SR	Sensor rail	[mm]	x	x	x	x	x	x	x	x	x	x
STH 1	Sensor/Thermometer 1	[mm]	-	-	-	-	-	-	"1855 ½" IT"	"2330 ½" IT"	"2410 ½" IT"	"2520 ½" IT"
STH 2	Sensor/Thermometer 2	[mm]	-	-	-	-	-	-	"1415 ½" IT"	"1680 ½" IT"	"1860 ½" IT"	"1810 ½" IT"
STH 3	Sensor/Thermometer 3	[mm]	-	-	-	-	-	-	"975 ½" IT"	"1020 ½" IT"	"1110 ½" IT"	"1100 ½" IT"
STH 4	Sensor/Thermometer 4	[mm]	-	-	-	-	-	-	"535 ½" IT"	"380 ½" IT"	"505 ½" IT"	"400 ½" IT"

P 500 - 2000



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