

P 500 - 5000



Buffer storage tank

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Application

Buffer tank for heating applications

External corrosion protection

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

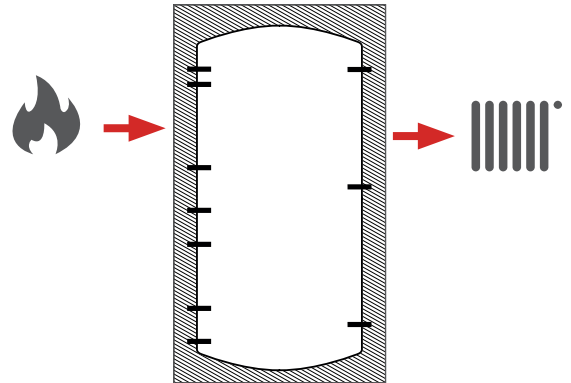
Heat insulation

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

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

Type 1500-2000: 110 mm half-shell made of EPS with ABS sleeve

Type 2500-5000: 110 mm polyester fiber fleece with external PVC



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	2240	2240	1000	231	C
P 2000	STD02000P	1998	2420	2430	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	2240	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	2240	2430	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	110	110	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				EPS		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
KV1	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
KV2	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
HZV1	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
HZV2	Heating supply 2	[mm]	-	-	-	-	-	-	1415 1½" IT	1680 1½" IT	1860 1½" IT	1810 1½" IT
KR1	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
HZR1	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
KR2	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
HZR2	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
FWW	Fresh water supply	[mm]	1410 1¼" IT	1670 1¼" IT	1820 1¼" IT	1715 1¼" IT	1835 1¼" IT	2000 1¼" IT	-	-	-	-
EHP	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	-	-	-	-
ENT	Ventilation	[mm]	1690 1¼" IT	1910 1¼" IT	2060 1¼" IT	2000 1¼" IT	2170 1¼" IT	2350 1¼" IT	2280 1¼" IT	2715 1¼" IT	2835 1¼" IT	2870 1¼" IT
FKL	Sensor rail	[mm]	x	x	x	x	x	x	x	x	x	x
FTH 1	Sensor/Thermometer 1	[mm]	-	-	-	-	-	-	1855 ½" IT	2330 ½" IT	2410 ½" IT	2520 ½" IT
FTH 2	Sensor/Thermometer 2	[mm]	-	-	-	-	-	-	1415 ½" IT	1680 ½" IT	1860 ½" IT	1810 ½" IT
FTH 3	Sensor/Thermometer 3	[mm]	-	-	-	-	-	-	975 ½" IT	1020 ½" IT	1110 ½" IT	1100 ½" IT
FTH 4	Sensor/Thermometer 4	[mm]	-	-	-	-	-	-	535 ½" IT	380 ½" IT	505 ½" IT	400 ½" IT

