

PS 50.01 - 500.01



Buffer storage tank

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Application

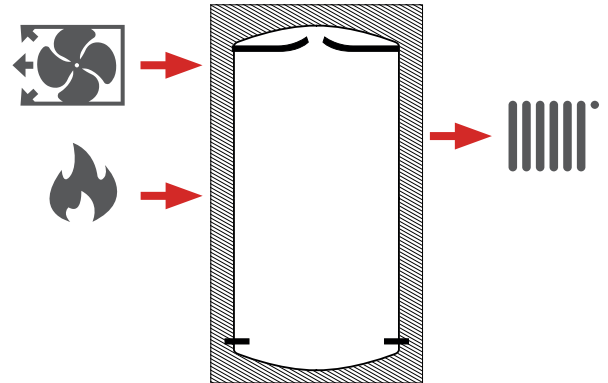
Buffer tank for heating and cooling applications
suitable also for hybrid systems

External corrosion protection

Foam encased

Heat insulation

50/80 mm PU rigid foam insulation with soft sleeve



Model overview PS 50.01 - 500.01

Type	Article no.	Volume	Height with insulation	Tilt height	Installation diameter	Weight (empty)	Energy efficiency class
Unit	[-]	[l]	[mm]	[mm]	[mm]	[kg]	[-]
PS 50.01	STD0050PS.01	51	640	790	460	27	A
PS 80.01	STD0080PS.01	80	980	1085	460	29	A
PS 100.01	STD0100PS.01	98	1170	1260	460	30	B
PS 200.01	STD0200PS.01	214	1280	1425	610	50	B
PS 300.01	STD0300PS.01	284	1740	1870	660	74	B
PS 400.01	STD0400PS.02	379	1630	1800	760	94	B
PS 500.01	STD0500PS.01	470	1930	2080	760	113	B

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Technical specifications PS 50.01 - 500.01

Type	Unit	PS 50.01	PS 80.01	PS 100.01	PS 200.01	PS 300.01	PS 400.01	PS 500.01
Article no.	[-]	STD0050PS.01	STD0080PS.01	STD0100PS.01	STD0200PS.01	STD0300PS.01	STD0400PS.02	STD0500PS.01
Volume	[l]	51	80	98	214	284	379	470
Height with insulation	[mm]	640	980	1170	1280	1740	1630	1930
Diameter with insulation	[mm]	460	460	460	610	660	760	760
Tilt height	[mm]	790	1085	1260	1425	1870	1800	2080
Installation diameter	[mm]	460	460	460	610	660	760	760
Weight (empty)	[kg]	27	29	30	50	74	94	113
Max. operating pressure heating side	[bar]	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
Max. operating temperature heating side	[°C]	95	95	95	95	95	95	95
Insulation thickness	[mm]	50	50	50	50	80	80	80
Max. installation length EHP	[mm]	400	400	400	500	500	600	600
Max. output EHP	[kW]	3	3	3	4,5	4,5	6	6
On-demand heat overhead	[kWh/d]	0,638	0,792	1,062	1,438	1,464	1,584	1,728
Holding losses	[W]	27	33	44	60	61	66	72
Energy efficiency class	[-]	A	A	B	B	B	B	B
Insulation material	[-]	PU rigid foam ($\lambda=0.024$ W/mK)						

Connections and dimensions PS 50.01 - 500.01

Connections		Unit	PS 50.01	PS 80.01	PS 100.01	PS 200.01	PS 300.01	PS 400.01	PS 500.01
ENT	Ventilation	[mm]	640 1¼" IT	980 1¼" IT	1170 1¼" IT	1280 1¼" IT	1740 1¼" IT	1630 1¼" IT	1928 1¼" IT
WPV/ HZV	Heat pump/heating supply	[mm]	460 1¼" IT	800 1¼" IT	990 1¼" IT	1055 1½" IT	1485 1½" IT	1360 1½" IT	1650 2" IT
KV	Boiler supply	[mm]	360 1¼" IT	670 1¼" IT	860 1¼" IT	925 1½" IT	1355 1½" IT	1230 1½" IT	1520 1½" IT
F/TH	Sensor/Thermometer	[mm]	360 ½" IT	670 ½" IT	860 ½" IT	925 ½" IT	1355 ½" IT	1230 ½" IT	1520 ½" IT
EHP1	Electric heating cartridge 1	[mm]	385 1½" IT	620 1½" IT	810 1½" IT	875 1½" IT	1305 1½" IT	1180 1½" IT	1470 1½" IT
F2	Sensor 2	[mm]	260 ½" IT	480 ½" IT	575 ½" IT	640 ½" IT	870 ½" IT	800 ½" IT	965 ½" IT
KR	Boiler return	[mm]	260 1¼" IT	480 1¼" IT	575 1¼" IT	640 1½" IT	870 1½" IT	800 1½" IT	965 1½" IT
EHP2	Electric heating cartridge 2	[mm]	-	290 1½" IT	290 1½" IT	355 1½" IT	385 1½" IT	400 1½" IT	410 1½" IT
F3	Sensor 3	[mm]	-	290 ½" IT	290 ½" IT	355 ½" IT	385 ½" IT	400 ½" IT	410 ½" IT
WPR/ HZR	Heat pump/heating return	[mm]	160 1¼" IT	160 1¼" IT	160 1¼" IT	225 1½" IT	255 1½" IT	270 1½" IT	280 2" IT
ENL	Draining	[mm]	140 ½" IT	140 ½" IT	140 ½" IT	125 ½" IT	155 ½" IT	170 1" IT	170 1" IT

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