

Energy buffer storage tank EPS



Material: Steel S235JR (raw inside, primed outside)

Insulation: 75 mm up to type 500 = firmly foamed PU or HVI insulation and removable foil jacket in RAL 9006 silver (pre-assembled); from type 600 with removable 120 mm GREEN LINE insulation with foil jacket in RAL 9006 silver (applied to 100 mm) and 100 mm cover insulation

Test pressure: 6 bar

Operating pressure: max. 3 bar

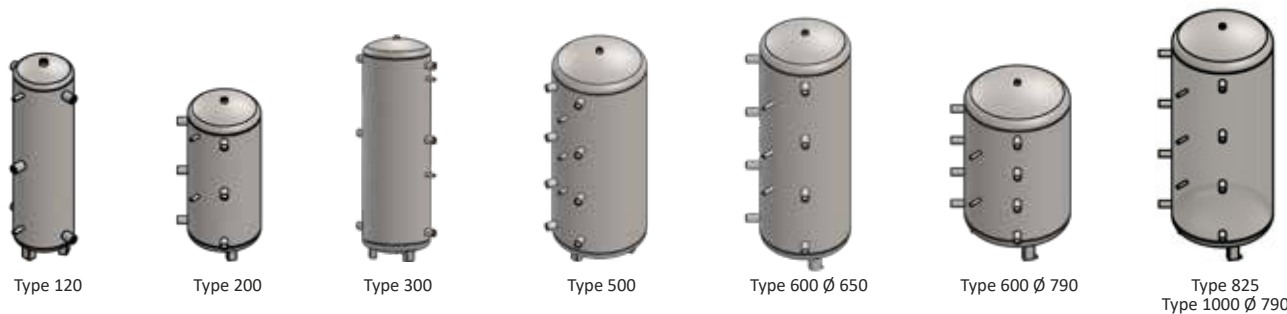
Operating temperature: max. 110 °C

Equipment: Buffer storage tanks with Green Line insulation have a feeler strip under the zip.

EPS		120	200	300		500		600 Ø 650	600 Ø 790	825	1000 Ø 790	1000 Ø 850	1150	1500	2000	2500	3000	5000
Nominal volume	Litres	120	199	291	291	493	493	597	597	810	901	901	1098	1484	1908	2411	2852	4860
Useful volume	Litres	120	199	291	291	493	493	597	597	810	901	901	1098	1484	1908	2411	2852	4860
Energy efficiency class*		A	A	A	B	A	B	C	C	C	C	C	C	C	C	-	-	-
Heat retention loss *1	W	37	44	49	69	58	83	120	120	135	143	143	153	170	187	204	227	305
	kWh/d	0,89	1,06	1,18	1,66	1,39	1,99	2,88	2,88	3,24	3,43	3,43	3,67	4,08	4,48	-	-	-
Diameter without insulation	mm	-	-	-	-	-	-	650	790	790	790	850	850	990	1100	1200	1250	1600
Diameter with insulation	mm	510	660	660	660	810	810	850	990	990	990	1050	1050	1190	1300	1400	1450	1800
Height without insulation	mm	-	-	-	-	-	-	1891	1405	1706	2005	1716	1972	2164	2162	2309	2590	2709
Height with insulation	mm	1400	1280	1730	1730	1680	1680	1966	1480	1781	2080	1791	2047	2239	2237	2384	2665	2784
Tilt dimension	mm	1490	1440	1852	1852	1865	1865	1920	1498	1776	2086	1788	2061	2238	2235	2475	2780	2970
Item no.		339250	330799	330800	330802	330801	330805	600100	600187	600101	600102	600173	600103	600104	600105	100514	100515	330023

* Classification according to regulation (EU) 812/2013; regulation (EU) 811/2013 in efficiency classes

*1 in accordance with DIN EN 12897: 2016 (partial test based on)



Heating



Gas calorific value



Oil calorific value



Wood / pellets / solid fuels



Heat pump



District heat



Heating inserts

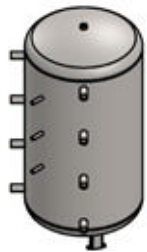
Connections:

EPS	120	200	300	500	600	600 Ø 790	825	1000 Ø 790	1000 Ø 850	1150	1500	2000	2500	3000	5000
Connection	Connection height in mm														
EL 1¼" IT	1338	1210	1675	1665	1891	1405	1706	2005	1716	1972	2164	2162	2309	2590	2709
A 1½" IT	183	196	211	268	252	281	281	296	280	295	350	366	386	377	455
B 1½" IT	-	613	912	627	719	572	671	776	670	762	847	846	899	987	1065
C 1½" IT	-	-	-	1018	1185	681	1061	1256	1060	1228	1343	1326	1412	1607	1675
G 1½" IT	1241	1025	1474	1438	1652	1151	1451	1736	1450	1695	1840	1806	1925	2217	2285
H 1½" IT	682	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1 ½" IT	233	521	647	641	681	513	685	703	684	702	807	823	833	377	455
2 ½" IT	1241	1025	1374	934	1004	946	978	1129	977	1088	1148	1189	1277	987	1065
3 ½" IT	-	-	-	1248	1427	-	1291	1576	1290	1535	1590	1606	1725	1607	1675
4 ½" IT	-	-	-	-	-	-	-	-	-	-	-	-	-	2217	2285

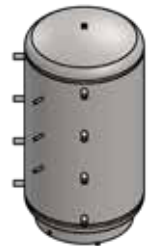
- with type 120 and type 300, all connections are at 180°, type 500 at 45°, type 200 and type 600 up to type 2500 to 90°, for type 3000 and type 5000 to 100°

A communicating buffer connection is possible with all buffer storage tanks of the same size.

EL Vent	A up to	H Sleeves 1½" IT
	1 up to	4 Sleeves ½" IT



Type 1000 Ø 850
Type 1150



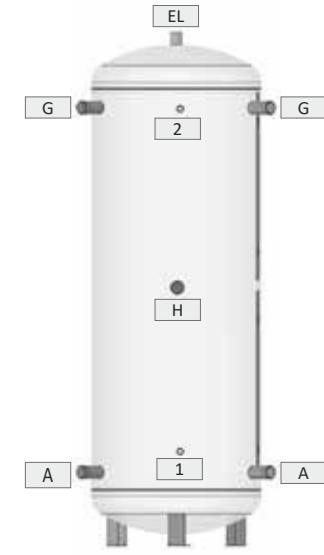
Type 1500 bis
Type 2500



Type 3000



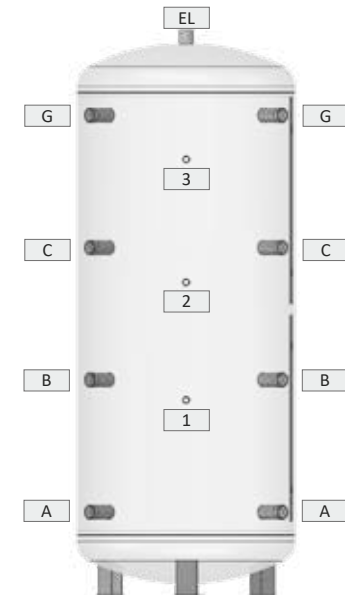
Type 5000



EPS type 120
5 sleeves 1½" IT,
2 sleeves ½" IT



EPS type 3000 and type 5000
4 sleeves ½" IT



EPS type 200 and 300 = 6 sleeves 1½" IT,
from EPS type 500 = 8 sleeves 1½" IT,
3 sleeves ½" IT