

Buffer tanks

Storatherm Heat buffer storage tank for heating and cooling systems



H 300/1 – 5,000/1



HF 300/1 – 2,000/1

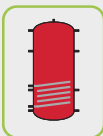


HF 500/2 – 1,500/2

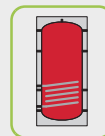
Technical Features

- high-grade S235JRG2 (St 37-2) for heating and cooling applications
- with heating coil for the connection of an additional heating source such as a solar system
- tank not treated inside, plastic-coated outside
- max. permissible operating overpressure:
 - tank 3 bar (1,500l 6 bar)
 - heating water 10 bar
- max. permissible operating temperature:
 - tank 95 °C

Type overview



H.../1
buffer tank with one bare-tube heat exchanger without insulation for cooling applications. Suitable diffusion-tight thermal insulation must be provided on-site. For sizes 3,000 - 5,000 litres, the insulation for heating water applications may be ordered separately.
without insulation



HF.../1
buffer tank with one heating coil and insulation
insulation
up to 1,000 l: 100 mm fleece insulation with foil jacket, removable
from 1,500 l: 120 mm fleece insulation with foil jacket, removable

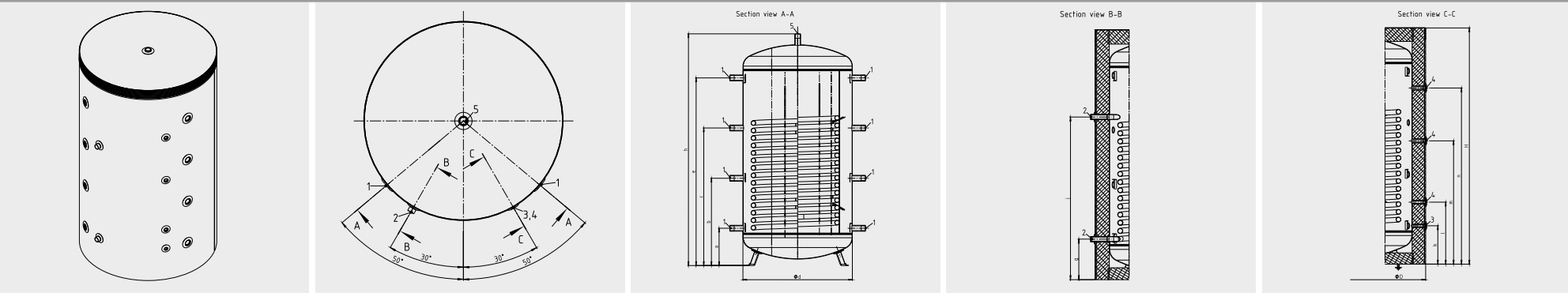
Storatherm Heat buffer storage tank for heating and cooling systems

Type	Art. No.		EEC ¹	Nenninhalt Pufferspeicher [l]	Nenninhalt HE above [l]	Heating surface [m ²]	Max. Installation- length EEHR [mm]	Tilted dimension [mm]	Weight [kg]
	silver	white							
Storatherm Heat H .../R buffer tank with one heating coil without insulation									
H 300/1	7783700	–	–	291	9	1,34	670	1381	74,00
H 500/1	7783900	–	–	461	13	1,87	670	1991	95,00
H 800/1	7784115	–	–	749	26	3,66	–	1902	190,00
H 1000/1	7784315	–	–	885	31	4,27	–	2181	216,00
H 1500/1	7784500	–	–	1374	41	4,48	–	2222	265,00
H 2000/1	7784700	–	–	1997	39	4,47	–	2281	351,00
H 3000/1	7788300	–	–	2901	41	5,04	–	2314	637,00
H 4000/1	7788600	–	–	3890	49	6,04	–	2841	754,00
H 5000/1	7788900	–	–	4792	75	7,05	–	3348	871,00
Storatherm Heat HF .../1 buffer tank with one heating coil and insulation									
HF 300/1_C	7843200	7843800	C	291	0	1,34	670	1381	82,00
HF 500/1_C	7843300	7843900	C	461	16	1,87	670	1991	100,00
HF 800/1_C	7843400	7844000	C	749	26	3,66	–	1902	197,00
HF 1000/1_C	7843500	7844100	C	885	30	4,27	–	2181	225,00
HF 1500/1_C	7843600	7844200	C	1365	41	4,48	–	2222	272,00
HF 2000/1_C	7843700	7844300	C	1984	39	4,47	–	2281	352,00

¹ Energy efficiency class

Storatherm Heat buffer storage tank for heating and cooling systems

Geometric data



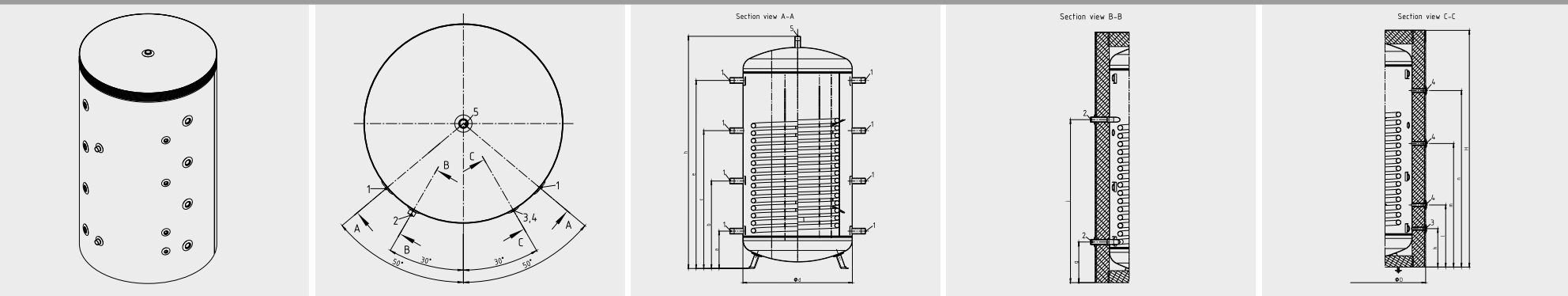
Type	Diameter D [mm]	Diameter without insulation d [mm]	Height connection				Height connection				Height without insulation h [mm]	Max. height			
			cold water g [mm]	hot water j [mm]	sensor 1 k [mm]	sensor 2 l [mm]	sensor 3 m [mm]	sensor 4 n [mm]	socket / flange 1 a [mm]	socket / flange 2 b [mm]		socket / flange 3 c [mm]	socket / flange 4 e [mm]	H [mm]	h [mm]
Storatherm Heat H .../R buffer tank with one heating coil without insulation															
H 300/1	–	597	210	710	210	380	670	960	225	490	760	1033	–	–	1321
H 500/1	–	597	210	955	210	375	945	1515	225	701	1181	1655	–	–	1950
H 800/1	–	790	236	1160	221	386	896	1446	236	656	1076	1496	–	–	1825
H 1000/1	–	790	296	1322	296	461	1011	1581	310	768	1228	1681	–	–	2115
H 1500/1	–	1000	341	1367	341	551	1096	1566	341	798	1258	1716	–	–	2119
H 2000/1	–	1200	366	1392	365	575	1100	1630	365	805	1245	1680	–	–	2142
H 3000/1	–	1500	495	1095	495	845	1247	1597	495	845	1247	1597	–	–	2101
H 4000/1	–	1500	495	1215	495	1090	1577	2171	495	1090	1577	2171	–	–	2676
H 5000/1	–	1500	520	1360	520	1305	1895	2682	520	1305	1895	2682	–	–	3211

Storatherm Heat buffer storage tank for heating and cooling systems

Type	Diameter D [mm]	Diameter without insulation d [mm]	cold water g [mm]	hot water j [mm]	sensor 1 k [mm]	sensor 2 l [mm]	Height connection				socket / flange 4 e [mm]	Height without insulation h [mm]	Max. height		
							sensor 3 m [mm]	sensor 4 n [mm]	socket / flange 1 a [mm]	socket / flange 2 b [mm]			socket / flange 3 c [mm]	H [mm]	h [mm]
Storatherm Heat HF .../1 buffer tank with one heating coil and insulation															
HF 300/1_C	783	597	210	710	210	380	670	960	225	490	760	1033	1321	1342	–
HF 500/1_C	797	597	210	955	210	375	945	1515	225	701	1181	1655	1950	1940	–
HF 800/1_C	980	790	236	1160	221	386	896	1446	236	656	1076	1496	1825	1828	–
HF 1000/1_C	980	790	296	1322	296	461	1011	1581	310	768	1228	1681	2115	2117	–
HF 1500/1_C	1240	1000	341	1367	341	551	1096	1566	341	798	1258	1716	2119	2100	–
HF 2000/1_C	1442	1200	366	1392	365	575	1100	1630	365	805	1245	1680	2142	2173	–

Storatherm Heat buffer storage tank for heating and cooling systems

Geometric data



Type	Connection drainage 3	Connection heating surface(s) 2	Connection socket EEHR 5	Connection socket / flange 1	Connection temperature sensor 4
Storatherm Heat H .../R buffer tank with one heating coil without insulation					
H 300/1	G 1/2"	R 1"	G 1 1/2"	G 1 1/2"	G 3/4"
H 500/1	G 1/2"	R 1"	G 1 1/2"	G 1 1/2"	G 3/4"
H 800/1	G 1/2"	R 1"	G 1 1/2"	G 1 1/2"	G 3/4"
H 1000/1	G 1/2"	R 1"	G 1 1/2"	G 1 1/2"	G 3/4"
H 1500/1	G 1/2"	R 1 1/4"	G 1 1/2"	G 1 1/2"	G 3/4"
H 2000/1	Rp 1/2"	R 1 1/4"	Rp 1 1/2"	Rp 1 1/2"	Rp 3/4"
H 3000/1	Rp 1/2"	R 1 1/4"	Rp 2"	Rp 2"	Rp 3/4"
H 4000/1	Rp 1/2"	R 1 1/4"	Rp 2"	Rp 2"	Rp 3/4"
H 5000/1	Rp 1/2"	R 1 1/4"	Rp 2"	Rp 2"	Rp 3/4"
Storatherm Heat HF .../1 buffer tank with one heating coil and insulation					
HF 300/1_C	G 1/2"	R 1"	G 1 1/2"	G 1 1/2"	G 3/4"
HF 500/1_C	G 1/2"	R 1"	G 1 1/2"	G 1 1/2"	G 3/4"

Storatherm Heat buffer storage tank for heating and cooling systems

Type	Connection drainage 3	Connection heating surface(s) 2	Connection socket EEHR 5	Connection socket/flange 1	Connection temperature sensor 4
HF 800/1_C	G ½"	R 1"	G 1 ½"	G 1 ½"	G ¾"
HF 1000/1_C	G ½"	R 1"	G 1 ½"	G 1 ½"	G ¾"
HF 1500/1_C	G ½"	R 1 ¼"	G 1 ½"	G 1 ½"	G ¾"
HF 2000/1_C	Rp ½"	R 1 ¼"	Rp 1 ½"	Rp 1 ½"	Rp ¾"