

Hot water storage tanks

Storatherm Aqua hot water storage tank with one heating coil



AF 150/1M_A – 500/1M_A



AF 100/1 – 3,000/1

Technical Features

- upright tank for all heating systems
- enamelling according to DIN 4753-3 T3, with magnesium anode, thermometer and mounts, maintenance opening
- storage tank up to 500 litres (AF.../1M) with additional RP 1 1/2" coupling for electric heater
- ≤ 2.000 l insulation factory fitted
- max. permissible operating overpressure:
 - heating water 16 bar
 - potable water 10 bar
- max. permissible operating temperature:
 - heating water 110 °C
 - potable water 95 °C

Type overview

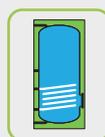


AF.../1M (≤ 500 litres)

hot water storage tank with one heating coil and additional coupling for electric heating

insulation

rECOflex® insulation with foil jacket, not removable



AF.../1 (> 500 litres)

hot water storage tank with one heating coil

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

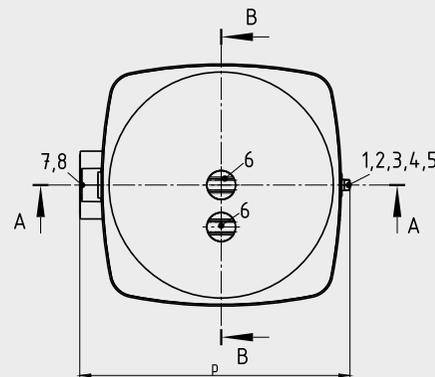
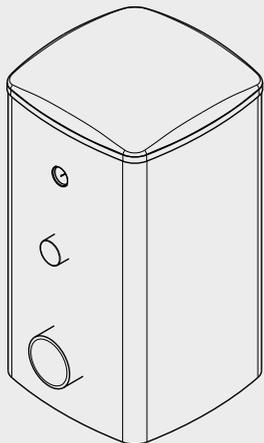
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Type	Art. No.		EEC ¹	Volume	Nenninhalt HE above	Cont. output top	Cont. output top	NL coefficient	Heating surface	Max. Installation-length EEHR	Max. Installation-length EEHR	Tilted dimension	Weight
	silver	white											
Storatherm Aqua AF .../1M_A rECOflex® insulation with foil jacket, not removable													
AF 150/1M_A	–	7355100	A	155	6	615	25	2,4	0,83	548	391	1303	56,00
AF 200/1M_A	–	7355200	A	193	7	760	31	4,2	0,95	538	409	1466	62,00
AF 300/1M_A	–	7355300	A	298	9	1170	48	8,4	1,28	647	485	1572	89,00
AF 400/1M_A	–	7355400	A	374	15	1395	57	15,2	1,75	658	494	1847	112,00
AF 500/1M_A	–	7355500	A	463	13	1590	65	19,1	1,88	667	494	2134	129,00
Storatherm Aqua AF .../1M rECOflex® insulation with foil jacket, not removable													
AF 150/1M_B	7861100	7861600	B	152	5	606	24	3,0	0,70	473	313	1267	47,20
AF 200/1M_B	7861200	7861700	B	191	6	739	30	4,8	0,89	503	342	1531	79,00
AF 200/1M_C	–	7847600	C	191	6	739	30	4,8	0,89	473	314	1515	56,10
AF 300/1M_B	7861300	7861800	B	296	9	1123	46	11,1	1,28	629	466	1452	82,80
AF 400/1M_B	7861400	7861900	B	374	12	1383	56	14,0	1,76	659	499	1740	137,00
AF 400/1M_C	–	7847800	C	374	12	1383	56	14,0	1,76	629	474	1719	105,00
AF 500/1M_B	7861500	7862000	B	463	13	1390	56	18,0	1,90	659	500	2043	189,00
AF 500/1M_C	–	7847900	C	463	13	1390	56	18,0	1,90	629	475	2025	116,50
Storatherm Aqua AF .../1 fleece insulation with foil jacket													
AF 750/1_C	7838000	7848000	C	712	32	2440	99	30,5	3,70	0	–	2105	259,00
AF 1000/1_C	7838100	7848100	C	931	39	2715	110	38,8	4,50	–	–	2159	322,00
AF 1500/1_C	–	7848200	C	1404	48	3684	156	48,0	5,94	–	931	2365	480,00
AF 2000/1_C	–	7848300	C	1924	58	4827	196	57,0	7,14	–	1115	2350	650,00
AF 3000/1	–	7848400	–	2695	77	6260	254	66,0	9,42	–	1111	3026	790,00

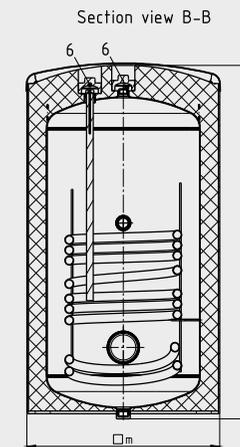
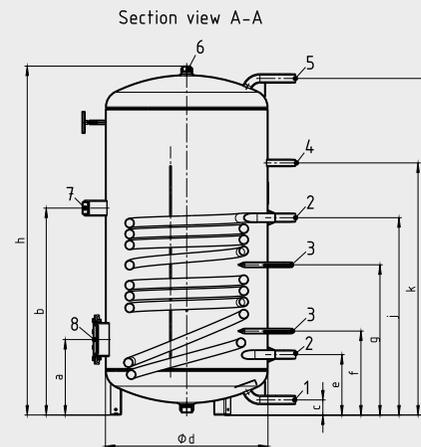
¹ Energy efficiency class

Storatherm Aqua hot water storage tank with one heating coil

Geometric data



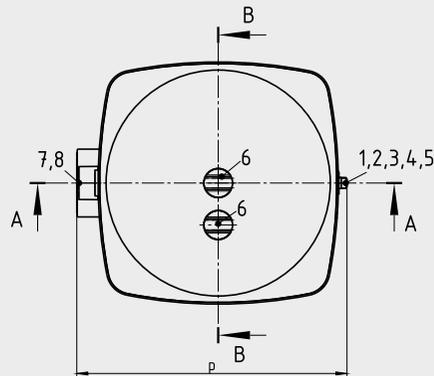
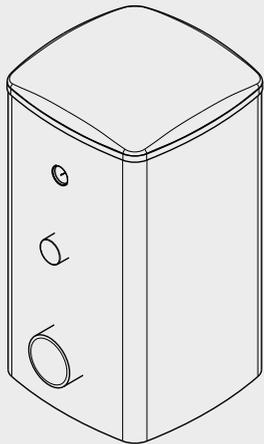
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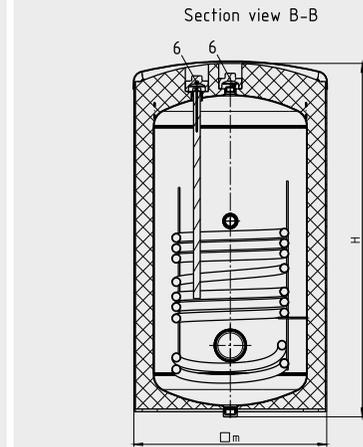
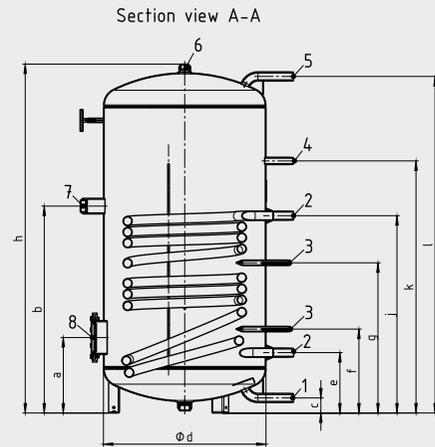
Type	Depth p [mm]	Diameter without insulation d [mm]	Height connection								Height without insulation h [mm]	Max. height H [mm]	Width m [mm]	
			EEHR b [mm]	EFHR 1 a [mm]	HRL e [mm]	HVL j [mm]	circulation k [mm]	cold water c [mm]	hot water l [mm]	sensor 1 f [mm]				sensor 2 g [mm]
Storatherm Aqua AF .../1M_A rECOflex® insulation with foil jacket, not removable														
AF 150/1M_A	747	500	687	325	255	637	737	90	994	339	511	1022	1141	650
AF 200/1M_A	747	500	787	325	255	737	868	90	1194	339	585	1222	1333	650
AF 300/1M_A	844	598	756	276	221	721	921	55	1229	307	549	1266	1377	750
AF 400/1M_A	844	598	958	276	221	909	1112	55	1526	369	684	1563	1678	790
AF 500/1M_A	844	598	1041	276	221	966	1265	55	1856	389	696	1893	2001	790

Storatherm Aqua hot water storage tank with one heating coil

Geometric data



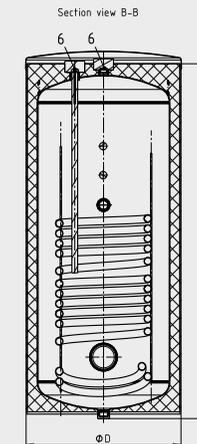
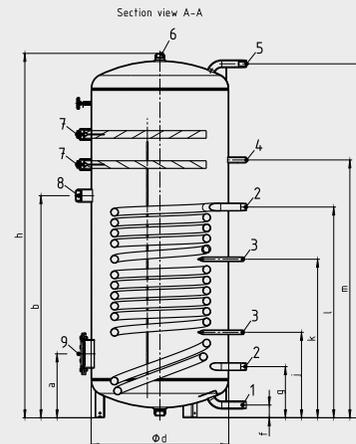
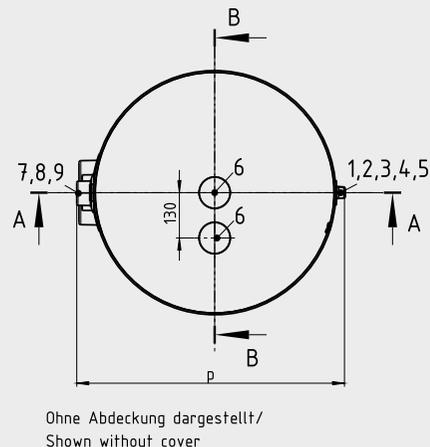
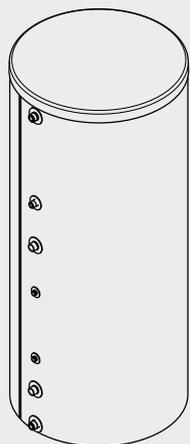
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Type	Circulation connection	Cold water connection	Connection flange EFHR	Connection heating surface(s)	Connection hot water	Connection socket EEHR	Connection socket/flange	Connection temperature sensor
	4	1	8	2	5	7	6	3
Storatherm Aqua AF .../1M_A rECOflex® insulation with foil jacket, not removable								
AF 150/1M_A	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	G 1 1/2"	16 mm
AF 200/1M_A	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	G 1 1/2"	16 mm
AF 300/1M_A	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	G 1 1/2"	16 mm
AF 400/1M_A	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	G 1 1/2"	16 mm
AF 500/1M_A	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	G 1 1/2"	16 mm

Storatherm Aqua hot water storage tank with one heating coil

Geometric data



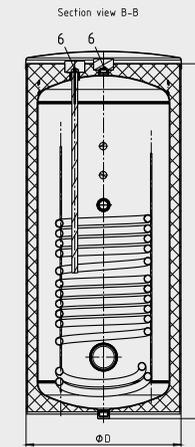
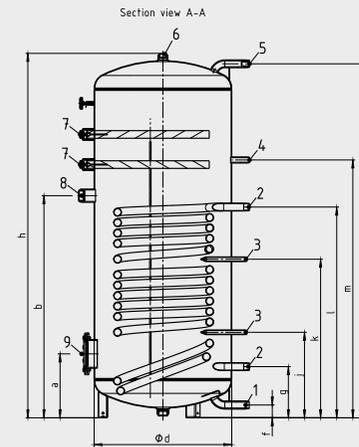
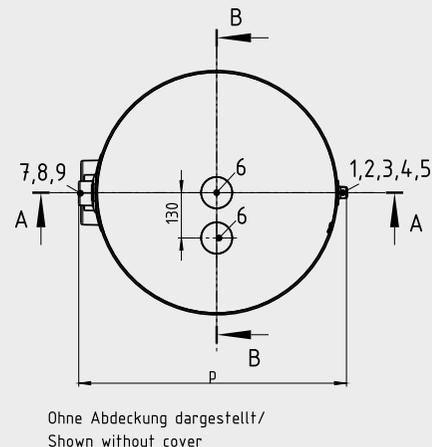
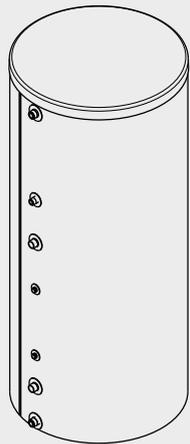
Type	Depth p [mm]	Diameter D [mm]	Diameter without insulation d [mm]	Height connection									Height without insulation h [mm]	Max. height H [mm]
				EEHR b [mm]	EFHR 1 a [mm]	HRL g [mm]	HVL l [mm]	circulation m [mm]	cold water f [mm]	hot water n [mm]	sensor 1 j [mm]	sensor 2 k [mm]		
Storatherm Aqua AF .../1M rECOflex® insulation with foil jacket, not removable														
AF 150/1M_B	614	540	–	649	249	194	599	735	55	1113	283	464	–	1172
AF 200/1M_B	669	600	–	746	249	194	689	902	55	1373	283	509	–	1435
AF 200/1M_C	609	540	–	746	249	194	689	902	55	1373	283	509	–	1435
AF 300/1M_B	779	700	–	756	276	221	721	921	55	1229	307	549	–	1294
AF 400/1M_B	831	750	–	958	276	221	909	1112	55	1526	369	684	–	1591
AF 400/1M_C	759	700	–	958	276	221	909	1112	55	1526	369	684	–	1631

Storatherm Aqua hot water storage tank with one heating coil

Type	Depth	Diameter	Diameter without insulation	Height connection									Height without insulation	Max. height
	p [mm]	D [mm]	d [mm]	EEHR b [mm]	EFHR 1 a [mm]	HRL g [mm]	HVL l [mm]	circulation m [mm]	cold water f [mm]	hot water n [mm]	sensor 1 j [mm]	sensor 2 k [mm]	h [mm]	H [mm]
AF 500/1M_B	831	750	–	1041	276	221	966	1265	55	1856	389	696	–	1921
AF 500/1M_C	768	700	–	1041	276	221	966	1265	55	1856	389	696	–	1921
Storatherm Aqua AF .../1 fleece insulation with foil jacket														
AF 750/1_C	1066	960	750	–	383	293	1319	1422	105	1891	1084	–	1937	2037
AF 1000/1_C	1152	1065	850	–	391	301	1327	1494	106	1905	1092	–	1962	2058
AF 1500/1_C	1315	1240	1000	–	442	333	1543	1660	105	2049	1140	–	2128	2230
AF 2000/1_C	1515	1440	1200	–	473	358	1568	1670	118	1933	1175	–	2039	2140
AF 3000/1	1515	1440	1200	–	481	396	1930	2406	156	2691	1470	–	2797	2875

Storatherm Aqua hot water storage tank with one heating coil

Geometric data



Type	Circulation connection 4	Cold water connection 1	Connection flange EFHR 9	Connection heating surface(s) 2	Connection hot water 5	Connection socket EEHR 8	Connection temperature sensor 3
Storatherm Aqua AF .../1M rECOflex® insulation with foil jacket, not removable							
AF 150/1M_B	R 3/4"	R 3/4"	DN110	R 1"	R 3/4"	G 1 1/2"	16 mm
AF 200/1M_B	R 3/4"	R 3/4"	DN110	R 1"	R 3/4"	G 1 1/2"	16 mm
AF 200/1M_C	R 3/4"	R 3/4"	DN110	R 1"	R 3/4"	G 1 1/2"	16 mm
AF 300/1M_B	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	16 mm
AF 400/1M_B	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	16 mm
AF 400/1M_C	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	16 mm
AF 500/1M_B	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	16 mm
AF 500/1M_C	R 3/4"	R 1"	DN110	R 1"	R 1"	G 1 1/2"	16 mm

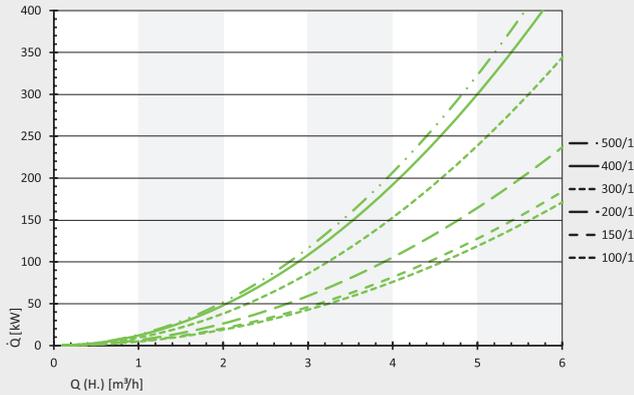
Storatherm Aqua hot water storage tank with one heating coil

Type	Circulation connection 4	Cold water connection 1	Connection flange EFHR 9	Connection heating surface(s) 2	Connection hot water 5	Connection socket EEHR 8	Connection temperature sensor 3
Storatherm Aqua AF .../1 fleece insulation with foil jacket							
AF 750/1_C	R ¾"	R 1 ¼"	DN180	R 1 ¼"	R 1 ¼"	–	16 mm
AF 1000/1_C	R ¾"	R 1 ¼"	DN180	R 1 ¼"	R 1 ¼"	–	16 mm
AF 1500/1_C	R 1 ¼"	R 2"	DN180	R 1 ¼"	R 2"	–	15 mm
AF 2000/1_C	R 1 ¼"	R 2"	DN180	R 1 ¼"	R 2"	–	15 mm
AF 3000/1	R 2"	R 2"	DN180	R 1 ¼"	R 2"	–	15 mm

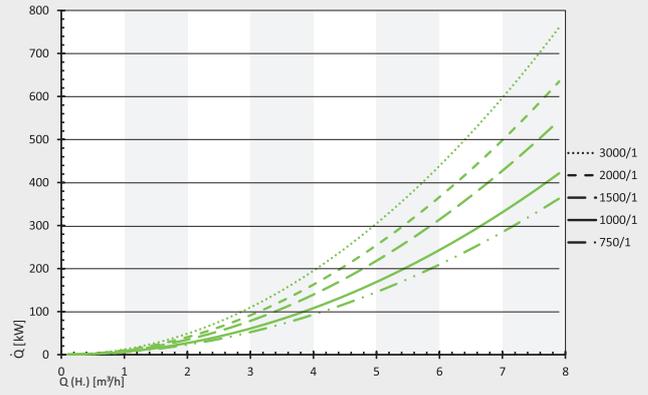
Storatherm Aqua hot water storage tank with one heating coil

pressure loss

Storatherm Aqua
AF/AB 100/1 – AF/AB 500/1

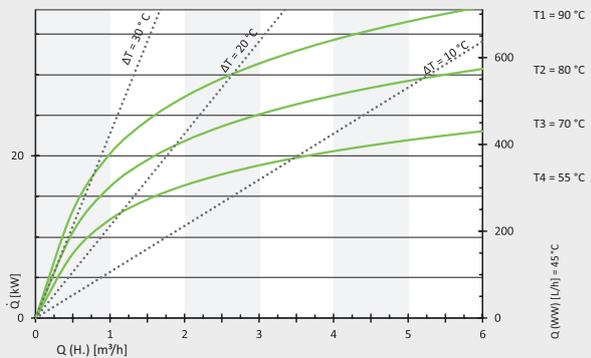


Storatherm Aqua
AF 750/1 – AF 3000/1

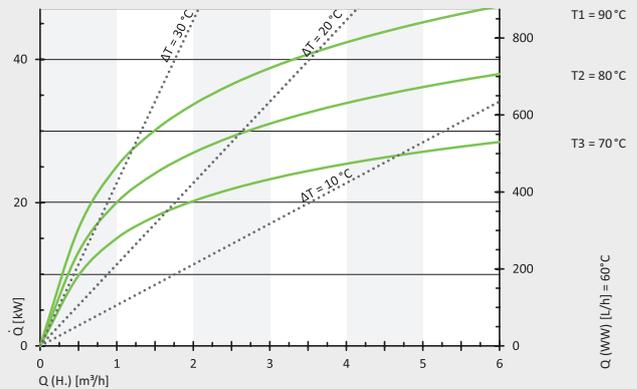


Performance diagrams

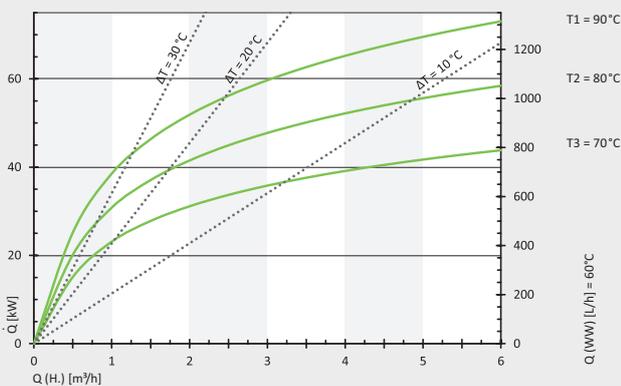
Storatherm Aqua 150/1
at a draw-off temperature of 60 °C



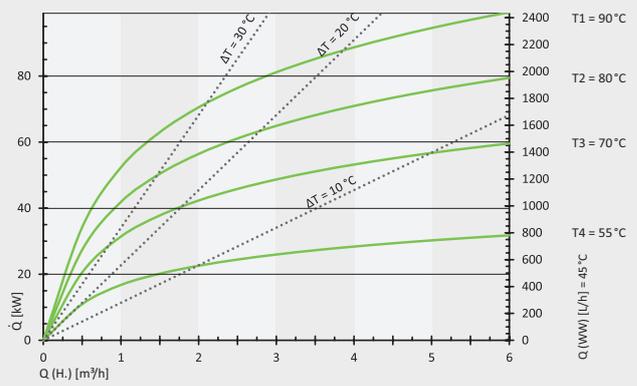
Storatherm Aqua 200/1
at a draw-off temperature of 60 °C



Storatherm Aqua 300/1
at a draw-off temperature of 60 °C



Storatherm Aqua 400/1
at a draw-off temperature of 60 °C



Storatherm Aqua hot water storage tank with one heating coil

Performance diagrams

