

# Storatherm Aqua Solar

EN

## Potable water storage tank with two heating coils

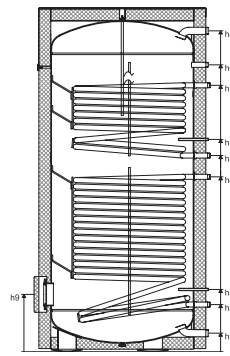
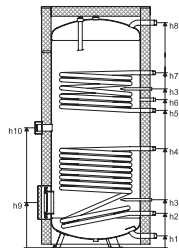
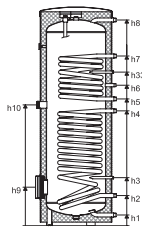
- Standing storage tank with additional heating coil for the use of solar energy
- Enamelling in accordance with DIN 4753 T3 with magnesium anode (From 1500 l with maintenance-free active anode)
- With additional Rp 1½" coupling for optional installation of supplementary electric heating above the heater coil
- With cleaning and inspection aperture for the optional installation of supplementary electric heating or a finned tube heat exchanger
- Thermometer and adjustable feet included
- Insulation CFC-free
- Operating conditions:  
Potable water max. 95 °C / 10 bar, heating water max. 110 °C / 16 bar



Potable water storage tank with two heating coils				Nominal volume	Diameter with insulation	Height with insulation	Diagonal height	Insulation thickness	Continuous output				Performance rating		Standby heat loss	Energy efficiency class		
Insulation: CFC-free PU rigid foam with foil cladding									t <sub>HV</sub> =80 °C; t <sub>HR</sub> =60 °C; t <sub>KW</sub> =10 °C; t <sub>WW</sub> =45 °C		t <sub>HV</sub> =80 °C; t <sub>HR</sub> =60 °C; t <sub>KW</sub> =10 °C; t <sub>WW</sub> =45 °C; t <sub>SP</sub> =60 °C		Top	Bottom			Top	Bottom
Type	Article no.		l						mm	mm	mm	mm						
	AF 200/2	7743400	-	192	540	1473	1530	45	24	550	31	760	1,1	4,2	2,3	n.a.		
	AF 300/2	7741500	7740800	295	600	1834	1892	50	26	630	48	1170	2,2	8,4	2,6	n.a.		
	AF 300/2	7753300	-	295	700	1334	1472	50	26	630	48	1170	2,2	8,4	2,6	n.a.		
	AF 400/2	7741300	7740900	380	700	1631	1738	50	31	740	57	1395	3,4	15,2	2,9	n.a.		
	AF 500/2	7441400	7741000	470	700	1961	2044	50	40	970	65	1590	5,9	19,1	3,2	n.a.		

Potable water storage with two heating coils				Nominal volume	Diameter without/with insulation	Height without/with insulation	Diagonal height without insulation	Insulation thickness	Continuous output				Performance rating		Standby heat loss	Energy efficiency class		
Insulation: CFC-free PU flexible foam with foil cladding, removable insulation									t <sub>HV</sub> =80 °C; t <sub>HR</sub> =60 °C; t <sub>KW</sub> =10 °C; t <sub>WW</sub> =45 °C		t <sub>HV</sub> =80 °C; t <sub>HR</sub> =60 °C; t <sub>KW</sub> =10 °C; t <sub>WW</sub> =45 °C; t <sub>SP</sub> =60 °C		Top	Bottom			Top	Bottom
Type	Article no.		l						mm	mm	mm	mm						
	AF 750/2	7743200	-	750	750/910	1932/2023	1990	80	33	815	60	1460	6,2	21	3,7	n.a.		
	AF 1000/2	7743300	-	995	850/1010	1989/2050	2025	80	32	780	76	1870	7,1	26	4,8	n.a.		
	AF 1500/2	7800750	-	1500	1000/1200	2109/2216	2250	100	57	1390	99	1430	11,4	29	5,36	n.a.		
	AF 2000/2	7800850	-	2000	1200/1400	2019/2126	2200	100	72	1760	112	2449	14,4	32,3	5,83	n.a.		
	AF 3000/2	7800950	-	2800	1200/1400	2784/2875	3300	100	91	2245	166	4098	18,2	44,2	5,9	n.a.		

Potable water storage with two heating coils				Nominal volume	Diameter with insulation	Height with insulation	Diagonal height	Insulation thickness	Continuous output				Performance rating		Standby heat loss	Energy efficiency class		
Insulation: CFC-free PU flexible foam with steel plate front shell									t <sub>HV</sub> =80 °C; t <sub>HR</sub> =60 °C; t <sub>KW</sub> =10 °C; t <sub>WW</sub> =45 °C		t <sub>HV</sub> =80 °C; t <sub>HR</sub> =60 °C; t <sub>KW</sub> =10 °C; t <sub>WW</sub> =45 °C; t <sub>SP</sub> =60 °C		Top	Bottom			Top	Bottom
Type	Article no.		l						mm	mm	mm	mm						
	AB 300/2	7742200	7741600	295	600	1834	1892	50	26	630	48	1170	2,2	8,4	2,6	n.a.		
	AB 400/2	7742400	7742300	380	700	1631	1738	50	31	740	57	1395	3,4	15,2	2,9	n.a.		
	AB 500/2	7707500	7741700	470	700	1961	2044	50	40	970	65	1590	5,9	19,1	3,2	n.a.		



AF 200/2 – AF 500/2  
AB 300/2 – AB 500/2

AF 750/2 – AF 1000/2

AF 1500/2 – AF 3000/2

Type			AF 200/2	AF 300/2 AB 300/2	AF 300/2	AF 400/2 AB 400/2	AF 500/2 AB 500/2	AF 7500/2	AF 1000/2	AF 1500/2	AF 2000/2	AF 3000/2
Technical Data												
Weight	kg		84	123	123	149	179	249	320	495	670	820
Warm water	R		¾	1	1	1	1 ¼	1 ¼	1 ¼	2	2	2
	h6	mm	1370	1725	1226	1523	1856	1887	1905	2048	1937	2691
Cold water	R		¾	1	1	1	1 ¼	1 ¼	1 ¼	2	2	2
	h1	mm	55	90	55	55	55	99	103	105	118	156
Circulation	R		¾	¾	¾	¾	¾	¾	¾	1 ¼	1 ¼	1 ¼
	h5	mm	901	1178	625	1111	1264	1242	1243	1746	1695	2406
Heating flow	R		1	1	1	1	1	1	1	1 ¼	1 ¼	1 ¼
	h4	mm	1148	1423	1048	1354	1604	1467	1423	1692	1613	2235
Heating return	R		1	1	1	1	1	1	1	1 ¼	1 ¼	1 ¼
	h2	mm	788	1063	790	1006	1114	1151	1153	1229	1224	1645
Solar flow	R		1	1	1	1	1	1	1	1 ¼	1 ¼	1 ¼
	h4	mm	688	964	715	909	965	830	884	1065	1080	1466
Solar return	R		1	1	1	1	1	1	1	1 ¼	1 ¼	1 ¼
	h2	mm	193	254	220	220	220	288	297	333	360	396
Sensor flange	Ø i x mm		16x200	16x200	16x200	16x200	16x200	16x200	16x250	16x250	16x250	16x250
	h3	mm	1013	1288	920	1223	1409	1332	1333	1350	1344	1780
	h33	mm	282	403	306	369	380	402	411	451	510	522
Blind flange	DN / LK		110/150	110/150	110/150	110/150	110/150	180/225	180/225	180/225	180/225	180/225
	h7	mm	248	324	275	275	275	378	387	412	443	481
Socket E-heating G 1 ½	h8	mm	238	1013	755	957	1040	1005	1025	-	-	-
Anode			1 x Mg	1 x Mg	1 x Mg	1 x Mg	1 x Mg	1 x Mg	1 x Mg	FSA	FSA	FSA
Heating surface on top	m²		0,7	1	0,85	1,05	1,3	1,17	1,17	1,9	2,25	3,4
Content heat exchanger on top	l		6,4	6	5,8	7	8,9	8,2	7,9	17,5	21,8	32,2
Heating surface bottom	m²		0,95	2	1,45	1,8	1,9	1,93	2,45	3,9	4,2	6,8
Content heat exchanger bottom	l		4,9	11	10,1	12,6	13,3	13,5	17,1	35	43,6	62,2
Max. thread depth of EFHR	mm		460	510	510	510	510	610	740	740	740	740
Max. thread depth of EEHR	mm		320	400	610	610	610	750	850	850	850	850
Pressure loss at 0,25 m³/h	mbar		0,3	0,4	0,4	0,4	0,6	0,5	0,4	0,2	0,2	2
	at 0,50 m³/h	mbar	1,3	1,4	1,4	1,7	2,2	1,3	1,8	0,7	0,8	1,4
	at 1 m³/h	mbar	5,1	5,7	5,7	6,9	8,8	7,5	7,1	2,9	3,2	8,6
	at 2 m³/h	mbar	20,5	22,7	22,7	27,4	35,1	25,9	28,3	11,4	13	15
	at 4 m³/h	mbar	82,2	90,9	90,9	109,6	140,3	119,5	113	45,6	51,8	62
Pressure loss solar at 0,25 m³/h	mbar		0,4	0,6	0,6	0,8	0,8	0,8	0,9	0,4	0,4	0,4
	at 0,50 m³/h	mbar	1,6	2,4	2,4	3	3,2	3,1	3,8	1,4	1,5	3
	at 1 m³/h	mbar	6,6	9,6	9,6	12	12,9	12,4	15,1	5,5	5,9	7
	at 2 m³/h	mbar	26,3	38,2	38,2	48	51,7	49,5	60,2	22,1	23,6	28
	at 4 m³/h	mbar	105,2	152,8	152,8	192,1	206,8	197,8	240,8	88,4	94,5	113