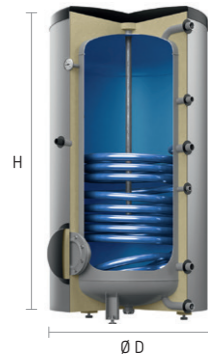


Potable water storage tanks

rECOflex®

Storatherm Aqua potable water storage tank with one heating coil



Technical features

- For all heating systems with one heating coil
- Enamelling in accordance with DIN 4753-3, with magnesium anode, thermometer, adjustable feet and maintenance opening
- Up to 500 litres with additional Rp 1½" sleeve for electric heater
- Up to 2,000 litres insulated delivery
- Maximum operating overpressure: heating water 16 bar, potable water 10 bar
- Maximum operating temperature: heating water 110 °C, potable water 95 °C

AB/AF 100/1–3000/1

Type overview

AF ... /1M (≤ 500 litres)
Potable water storage tank with one heating coil and additional sleeve for electric heater

Insulation
rECOflex® insulation system with foil jacket, non-removable

AF ... /1 (> 500 litres)
Potable 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

AB ... /1 (≤ 500 litres)
Potable water storage tank with one heating coil

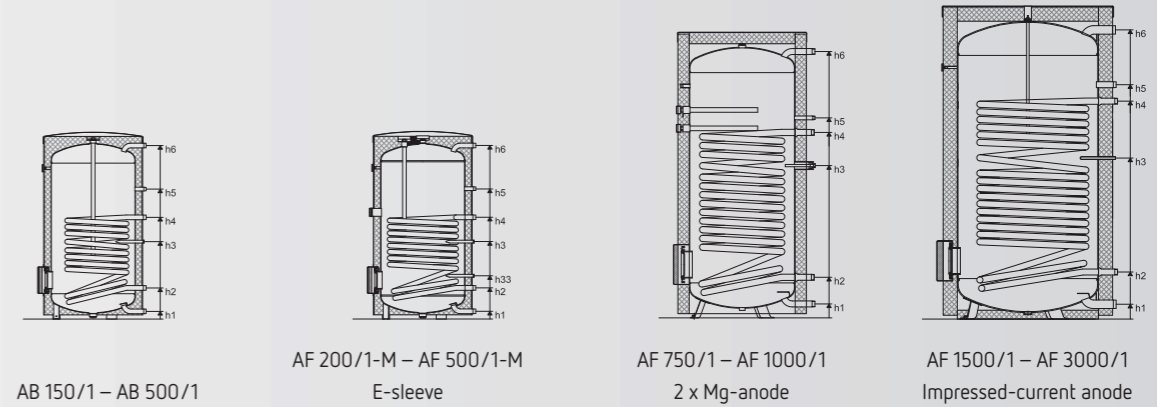
Insulation
rECOflex® insulation system with sheet steel cladding, non-removable

Type	Prod. no.		Content [l]	Ø D without/with ins. [mm]	Height H without/with ins. [mm]	Tilted dimension [mm]	Output				Standing losses W	EEC
	white	silver					N _t ¹⁾	kW	l/h	V40		
Storatherm Aqua AF ... /1M rECOflex® insulation system with foil jacket												
AF 150/1M_B	7861600	7861100	156	540	1,219	1,270	3	24	606	–	56	B
AF 200/1M_B	7861700	7861200	197	600	1,475	1,525	4.8	30	739	–	52	B
AF 200/1M_C	7847600	7847100	197	540	1,475	1,525	4.8	30	739	–	71	C
AF 300/1M_B	7861800	7861300	303	700	1,334	1,441	11.1	46	1,123	–	70	B
AF 400/1M_B	7861900	7861400	384	750	1,631	1,719	14	56	1,383	–	68	B
AF 400/1M_C	7847800	7847300	384	700	1,631	1,719	14	56	1,383	–	86	C
AF 500/1M_B	7862000	7861500	476	750	1,961	2,029	18.0	56	1,390	–	78	B
AF 500/1M_C	7847900	7847400	476	700	1,961	2,029	18.0	56	1,390	–	100	C
Storatherm Aqua AF ... /1 fleece insulation with foil jacket												
AF 750/1_C	7848000	7838000	750	750/950	1,932/2,023	2,104	30.5	99	2,440	–	–	C
AF 1000/1_C	7848100	7838100	976	850/1,050	1,959/2,050	2,158	38.8	110	2,715	–	–	C
AF 1500/1_C	7848200	–	1,500	1,000/1,240	2,109/2,216	2,371	48	156	3,864	–	–	C
AF 2000/1_C	7848300	–	2,000	1,200/1,440	2,019/2,126	2,226	57	196	4,827	–	–	C
AF 3000/1	7848400	–	2,800	1,200/1,440	2,784/2,878	3,040	66	254	6,260	–	–	–
Storatherm Aqua AB ... /1 rECOflex® insulation system with sheet steel cladding												
AB 100/1_C	7895500	7846400	100	512	849	960	1.3	19	480	–	–	C
AB 150/1_B	7895600	7846500	156	540	1,219	1,270	3	24	606	240	56	B
AB 200/1_C	7895700	7846600	197	540	1,475	1,525	4.8	30	739	314	68	C
AB 300/1_B	7895800	7846700	303	700	1,334	1,441	11.1	46	1,123	415	69	B
AB 400/1_C	7895900	7846800	384	700	1,657	1,719	14	56	1,383	572	84	C
AB 500/1_C	7896100	7846900	476	700	1,961	2,029	18	56	1,390	739	99	C

Information on output subject to heating water supply temperature and heating water flow rate. Continuous output at: heating water flow rate = 3 m³, t_{flow} = 80 °C, t_{cool} = 10 °C, t_{ww} = 45 °C

¹⁾ Performance index N_t in accordance with DIN 4708 for storage heating t_s to 60 °C:
 t_s = 60 °C → 1.00 x N_t t_s = 50 °C → 0.55 x N_t
 t_s = 55 °C → 0.75 x N_t t_s = 45 °C → 0.30 x N_t

Geometric data: Storatherm Aqua



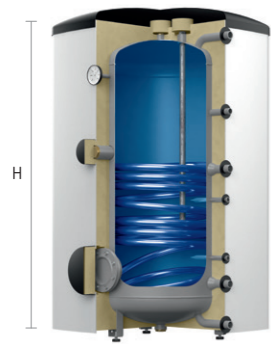
Type		AB 100/1	AF 150/1	AB 150/1	AB 200/1	AF 200/1M	AB 300/1	AF 300/1M	AB 400/1	AF 400/1M	AB 500/1	AF 500/1M	AF 750/1	AF 1000/1	AF 1500/1	AF 2000/1	AF 3000/1
Weight	/1M_B	kg	38	43	56	78	99	128	259	322	480	650	790				
	/1M_C		38	47	56	–	102	117	–	–	–	–	–	–	–	–	–
	AB		38	47	67	102	123	144	–	–	–	–	–	–	–	–	–
Hot water, WW	R		¾	¾	¾	1	1	1	1¼	1¼	2	2	2				
	h6	mm	740	1,113	1,373	1,229	1,526	1,856	1,886	1,900	2,048	1,937	2,691				
Cold water, KW	R		¾	¾	¾	1	1	1	1¼	1¼	2	2	2				
	h1	mm	55	55	55	55	55	55	99	103	105	118	156				
Circulation, Z	R		¾	¾	¾	¾	¾	¾	¾	¾	1¼	1¼	2				
	h5	mm	605	735	902	921	1,112	1,265	1,417	1,489	1,660	1,670	2,406				
Heating flow, HV	R		1	1	1	1	1	1	1¼	1¼	1¼	1¼	1¼				
	h4	mm	523	599	689	721	909	966	1,314	1,324	1,543	1,568	1,930				
Heating return flow, HR	R		1	1	1	1	1	1	1¼	1¼	1¼	1¼	1¼				
	h2	mm	193	194	194	221	221	221	288	296	333	360	396				
Sensor tube	Ø i x mm		16x200	16x200	16x200	16x200	16x200	16x200	16x200	16x200	16x250	16x250	16x250				
	h3	mm	428	464	509	549	684	696	1,079	1,087	1,140	1,175	1,470				
	h33	mm	–	283	282	307	369	389	–	–	–	–	–				
Blind flange	DN		Rp 1½	110	110	110	110	110	180	80	180	180	180				
	LK		–	150	150	150	150	150	225	225	225	225	225				
Anode			1 x Mg	1 x Mg	1 x Mg	1 x Mg	1 x Mg	1 x Mg	2 x Mg	2 x Mg	FSA	FSA	FSA				
Heating surface	m²		0.61	0.75	0.95	1.40	1.8	1.9	3.7	4.5	6.0	7	9.5				
Content, heat exchanger	l		4.1	4.9	6.2	10.1	12.6	13.3	33.7	40.6	55.2	64.5	86.7				
Insulation thickness	/1M_B	mm	50	50	50	50	75	75	–	–	–	–	–				
	/1		50	50	50	50	50	50	100	100	120	120	120				
Max. installation length, EFHR	mm		–	320	320	495	510	510	610	740	740	740	740				
Max. installation length, EEHR	/1M	mm	–	–	–	–	–	–	–	–	–	–	–				
	/1				460	550	610	610									

Customer drawings for all products available at <http://reflex.cadprofi.com>.

Subject to technical modifications | FSA = impressed-current anode, Mg = magnesium anode, EEHR = electro screw-in heater, EFHR = electro flange heater



Storatherm Aqua A potable water storage tank with one heating coil



Technical features

- For all heating systems with one heating coil
- Enamelling in accordance with DIN 4753-3, with magnesium anode, thermometer, adjustable feet and maintenance opening
- Additional Rp 1½" sleeve
- Maximum operating overpressure: heating water 16 bar, potable water 10 bar
- Maximum operating temperature: heating water 110 °C, potable water 95 °C

AB/AF 100/1-3000/1

Type overview

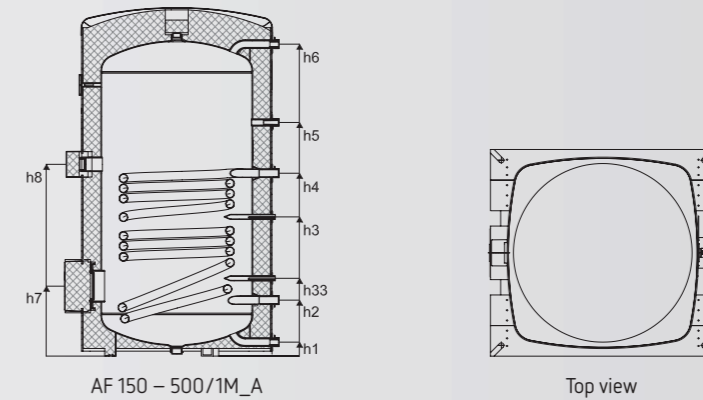


AF ... /1M_A (≤ 500 litres)
Potable water storage tank with one heating coil and additional sleeve for electric heater

Insulation
rECOflex® insulation system with foil jacket, non-removable

Type	Prod. no.		Content [l]	Dimensions [mm]	Height H with ins. [mm]	Tilted dimension [mm]	Output			Standing losses W	EEC	
	white	silver					$N_L^{1)}$	kW	l/h			V40
Storatherm Aqua AF ... /1M_A rECOflex® insulation system with foil jacket												
AF 150/1M_A	7355100	7350100	159	650x650	1,137	1,212	2.4	25	615		36	A
AF 200/1M_A	7355200	7350200	197	650x650	1,329	1,384	4.2	31	760		39	A
AF 300/1M_A	7355300	7350300	302	750x750	1,374	1,451	8.4	48	1,170		49	A
AF 400/1M_A	7355400	7350400	382	790x790	1,671	1,729	15.2	57	1,395		51	A
AF 500/1M_A	7355500	7350500	473	790x790	2,001	2,037	19.1	65	1,590		58	A

Geometric data: Storatherm Aqua A



Type		AF 150/1M_A	AF 200/1M_A	AF 300/1M_A	AF 400/1M_A	AF 500/1M_A
Technical data						
Weight	kg	52	60	86	108	126
Hot water, WW	R	1	1	1	1	1
	h6 mm	994	1,194	1,229	1,526	1,856
Cold water, KW	R	1	1	1	1	1
	h1 mm	90	90	55	55	55
Circulation, Z	R	¾	¾	¾	¾	¾
	h5 mm	737	868	921	1,112	1,265
Heating flow, HV	R	1	1	1	1	1
	h4 mm	637	737	721	909	966
Heating return flow, HR	R	1	1	1	1	1
	h2 mm	255	255	221	221	221
Sensor tube	Ø i x mm	16x200	16x200	16x200	16x200	16x200
	h3 mm	511	585	549	684	696
	h33 mm	339	339	307	369	389
Blind flange	DN	110	110	110	110	110
	LK	150	150	150	150	150
Anode		1 x Mg	1 x Mg	1 x Mg	1 x Mg	1 x Mg
Heating surface	m²	0.83	0.95	1.28	1.75	1.88
Content, heat exchanger	l	6	6.6	8.6	12.2	12.8
Insulation thickness	mm	50	75	50	75	75
Max. installation length, EFHR	mm	365	365	462	462	462
Max. installation length, EEHR	mm	500	500	597	597	597

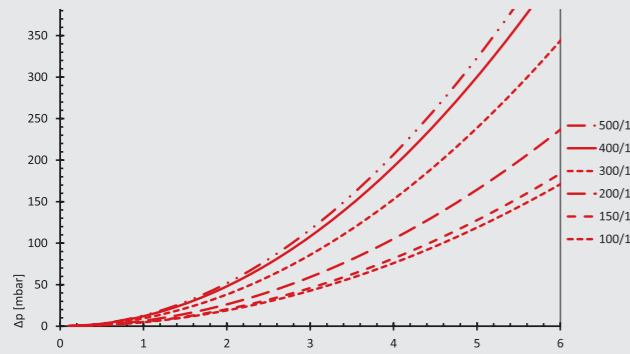
Subject to technical modifications | FSA = impressed-current anode, Mg = magnesium anode, EEHR = electro screw-in heater, EFHR = electro flange heater

Information on output subject to heating water supply temperature and heating water flow rate. Continuous output at:
heating water flow rate = 3 m³, $t_{flow} = 80^\circ\text{C}$, $t_{cold} = 10^\circ\text{C}$, $t_{ww} = 45^\circ\text{C}$

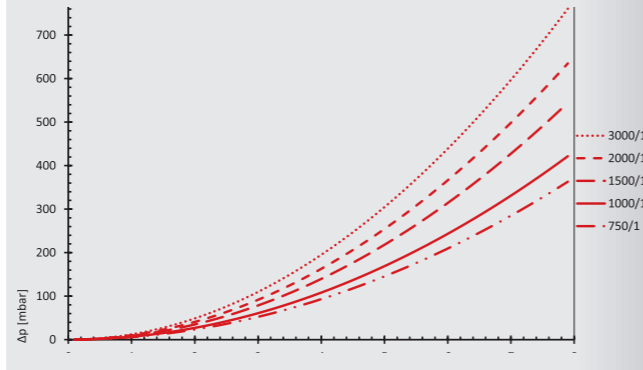
¹⁾ Performance index N_L in accordance with DIN 4708 for storage heating t_s to 60°C :
 $t_s = 60^\circ\text{C} \rightarrow 1.00 \times N_L$ $t_s = 50^\circ\text{C} \rightarrow 0.55 \times N_L$
 $t_s = 55^\circ\text{C} \rightarrow 0.75 \times N_L$ $t_s = 45^\circ\text{C} \rightarrow 0.30 \times N_L$

Pressure losses

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

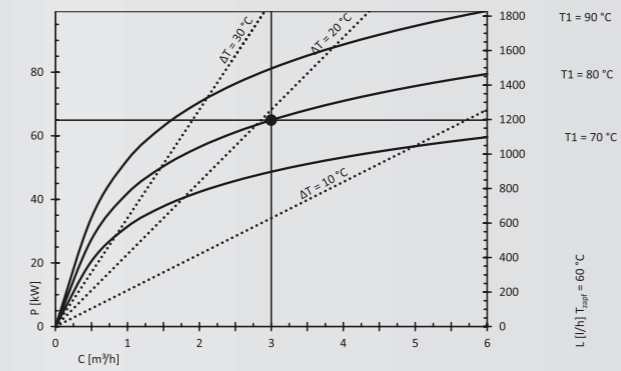


Storatherm Aqua
AF 750/1 – AF 3000/1

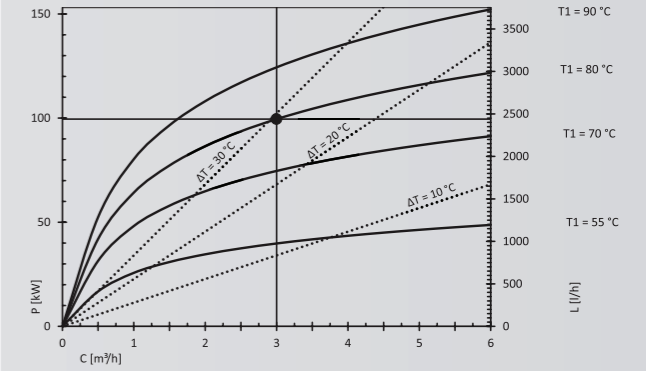


Performance charts

Storatherm Aqua 500/1
Temperature at tapping point: 60 °C

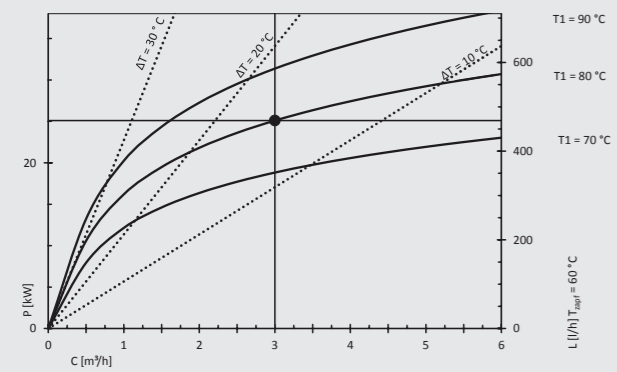


Storatherm Aqua 750/1
Temperature at tapping point: 45 °C

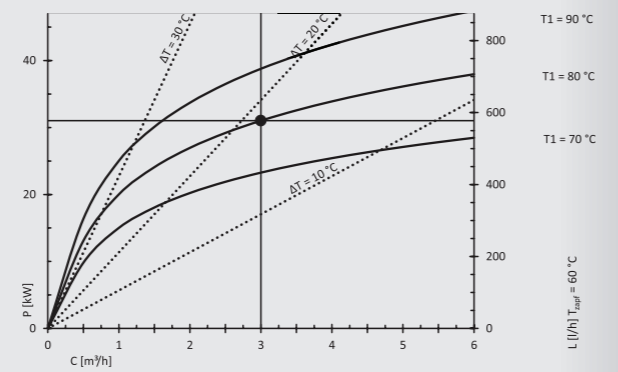


Performance charts

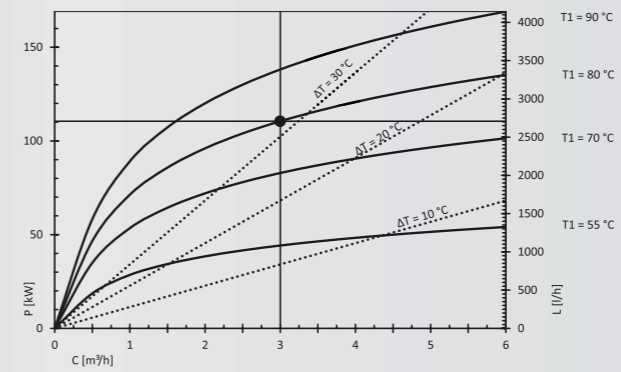
Storatherm Aqua 150/1
Temperature at tapping point: 60 °C



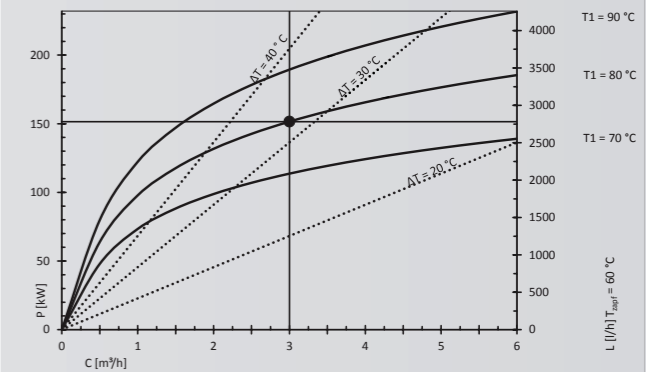
Storatherm Aqua 200/1
Temperature at tapping point: 60 °C



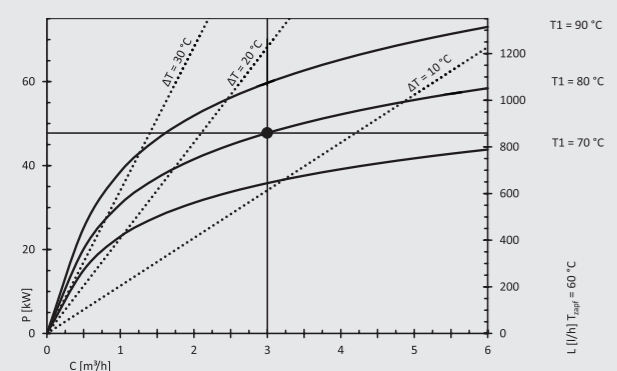
Storatherm Aqua 1000/1
Temperature at tapping point: 45 °C



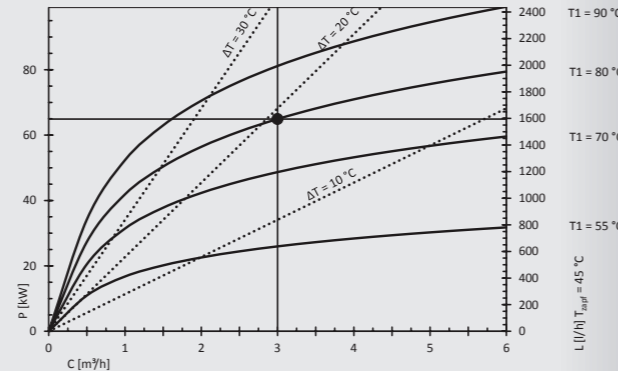
Storatherm Aqua 1500/1
Temperature at tapping point: 60 °C



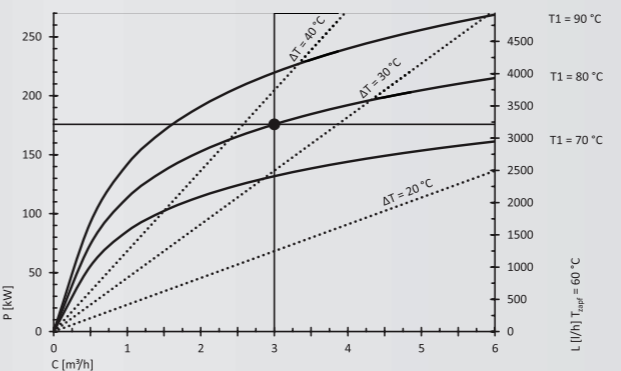
Storatherm Aqua 300/1
Temperature at tapping point: 60 °C



Storatherm Aqua 400/1
Temperature at tapping point: 60 °C



Storatherm Aqua 2000/1
Temperature at tapping point: 60 °C



Storatherm Aqua 3000/1
Temperature at tapping point: 60 °C

