SUNSYSTEM®

Energy from the sun

SOLAR WATER HEATERS

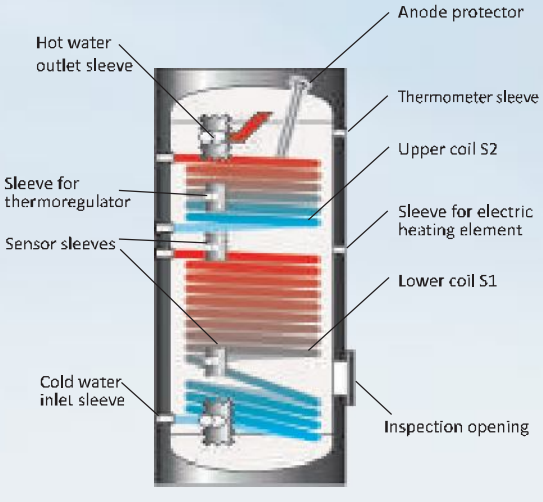
A variety of water storage tanks from the solar systems expert.

Product Features

- Aesthetic outer casing in RAL 9006 and black plastic parts
- Storage tank made of low-carbon steel with titanium enamel in accordance with DIN 4753-3,or stainless steel
- Magnesium anode for cathodic corrosion protection in all enameled models
- 1½" sleeve for fitting of an optional electric heating element
- Inspection opening Ø180 x 120 in models of volume up to 500 l and Ø280 x 220 in models of volume above 750 l
- All threads are internal
- Large-sized (1") sleeves of heat exchangers to facilitate flow
- Large surface of heat exchangers for maximum efficiency
- Compressive strength
  Tank: 10 bar; Heat exchangers: 16 bar
- Thermometer gauge
- Thermoregulator, heating element and a safety valve with 8 bar setting are available as an option

Electric water heater

Single-coil water heater



Double-coil water heater

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Technical specifications:

Electric model / Single coil model / Double coil model

Model		150	200	300	400	500	750	1000	1500
Volume	l	150	200	300	400	500	750	1000	1500
Height /vertical modification/	mm	1070	1340	1410	1460	1710	2000	2050	2310
Height /horizontal modification/	mm	(695)	(695)	790	890	890	1090	1190	1190
Min. room vertical clearance	mm	1210	1460	1580	1670	1890	2030	2070	2370
Diameter D	mm	Ø560	Ø560	Ø650	Ø750	Ø750	Ø950	Ø1050	Ø1050
Operating pressure / max. temperature	bar/°C	10/95	10/95	10/95	10/95	10/95	10/95	10/95	10/95
Orientation (horizont./vertical)		(h)/v	(h)/v	h/v	h/v	h/v	h/v	h/v	h/v
Insulation		50 mm hard PU	50 mm hard PU	50 mm hard PU	50 mm hard PU	50 mm hard PU	100 mm soft PU	100 mm soft PU	100 mm soft PU
Tank material		CrNi/En	CrNi/En	CrNi/En	CrNi/En	CrNi/En	CrNi/En	CrNi/En	CrNi/En
Anode protector	mm	300	300	450	600	600	700	700	700
Heating element wattage	kW	3	3	4.5	6	7.5	7.5	2x7.5	3x7.5
Thermometer		✓	✓	✓	✓	✓	✓	✓	✓
Lower coil S1									
Heat exchanging surface	m²	0.74	0.9	1.2	1.5	1.8	2.1	2.7	3
Volume of heat exchanger	l	4.56	5.55	7.4	9.25	11.1	12.95	16.65	18.5
Prolonged power according to DIN 4708; 80/60/45°C	kW m³/h	25 0.61	29 0.71	53 1.30	62 1.52	72 1.77	80 1.97	105 2.58	131 3.22
NL – power coefficient at 60°C		2.5	4.5	11	13	18	32	42	64
Pressure drop Δp	mbar	65	75	120	180	210	210	260	310
Upper coil S2									
Heat exchanging surface	m²	0.4	0.6	0.9	1	1.2	1.4	1.9	2.5
Volume of heat exchanger	l	2.47	3.7	5.55	6.17	7.4	8.63	11.72	15.42
Prolonged power according to DIN 4708; 80/60/45°C	kW m³/h	15 0.37	18 0.44	21 0.52	27 0.66	34 0.84	50 1.23	62 1.52	74 1.82
NL – power coefficient at 60°C		1	1.5	2	2.2	2.8	10	28	34
Pressure drop Δp	mbar	48	55	70	80	90	150	210	260
Operating pressure / max operating temperature of coils	bar/°C	16/110	16/110	16/110	16/110	16/110	16/110	16/110	16/110
Additional sensor sleeves	pcs.	2	2	2	2	2	2	2	2

* The data in parenthesis does not apply for double-coil models.

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