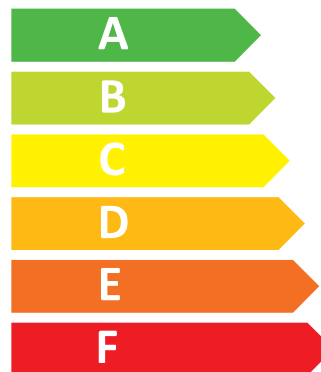


SUNSYSTEM

DUAL-COIL SOLAR WATER HEATERS



Floor installation. For direct / indirect heating and the possibility of connecting to a solar and heating system. Optionally, an electric heater can be added.



Energy efficiency
Directive 2010/30/EU,
Regulation 812/2013:Class C

Insulation	High efficiency insulation (DIN 4753-8): rigid PU, thickness 50 mm (up to 500 Liters) or removable insulation of fleece, with thickness of 100 mm (over 500 Liters). Outer lining of PVC with RAL 9006 color.
Water tank	Water tank of low-carbon steel S235JR. Complex corrosion protection realized by means of titanium enamel (DIN 4753-3) and anode protection (DIN 4753-6). Convenient inspection opening. Operating pressure: 10 bar Test pressure: 15 bar Maximum temperature: 95°C
Inlets/ Outlets	Connections for temperature sensor. All threads are internal.
One or two heat-exchanger coils (models SN/ SON / H-SN /H-SON)	Enables the tank to utilize an external sources of renewable energy. Operating pressure: 16 bar Test pressure: 25 bar Maximum temperature: 110°C
Base equipment	Thermometer. Sensor bushing. Safety valve, 8 bar. Adjustable foot for models up to 500 L. (See p. 72).
Optional equipment	Kit for electric heating (Electric heating element and Thermostat with integrated thermal protection) with an optional power (See p. 72).



SEL - without coil

Vertical models.

	Model	Code
150	SEL 150	09030106205001
200	SEL 200	09030106205002
300	SEL 300	09030106205004
400	SEL 400	09030106205005
500	SEL 500	09030106205006
750	SEL 750	09030106205007
1000	SEL 1000	09030106205008
1500	SEL 1500	09030106205009
2000	SEL 2000	09030106205010

H SEL - without coil

Horizontal models.

	Model	Code
200	H SEL 200	01035106205002
300	H SEL 300	01035106205004
500	H SEL 500	01035106205006
1000	H SEL 1000	01035106205008
1500	H SEL 1500	01035106205009



SN - with one coil

Vertical models.

	Model	Code
150	SN 150	09030106202001
200	SN 200	09030106202002
300	SN 300	09030106202004
400	SN 400	09030106202005
500	SN 500	09030106202006
750	SN 750	09030106202007
1000	SN 1000	09030106202008
1500	SN 1500	09030106202009
2000	SN 2000	09030106202010

H SN - with one coil

Horizontal models.

	Model	Code
200	H SN 200	01035106202002
300	H SN 300	01035106202004
500	H SN 500	01035106202006
1000	H SN 1000	01035106202008
1500	H SN 1500	01035106202009



SON - with two coils

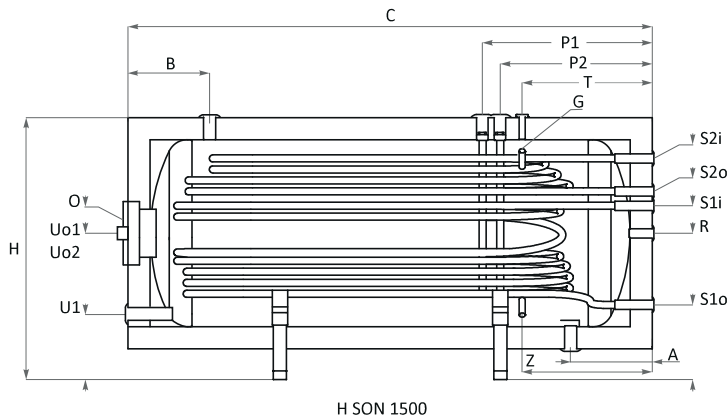
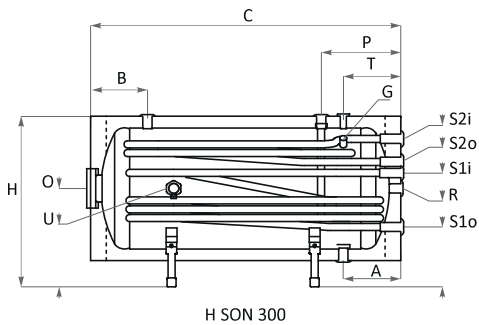
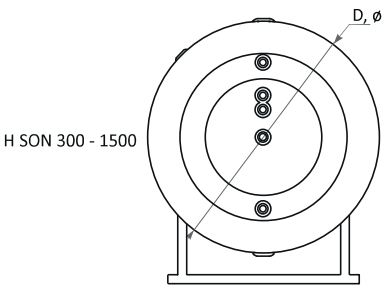
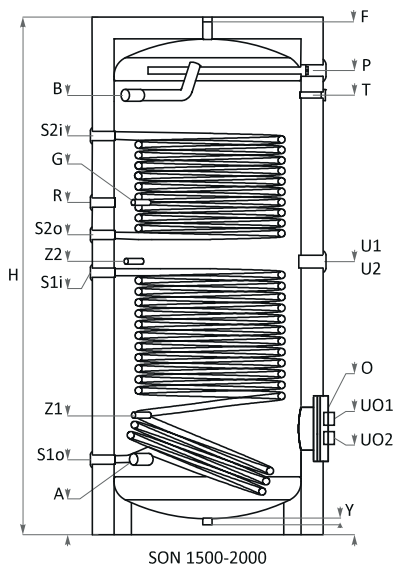
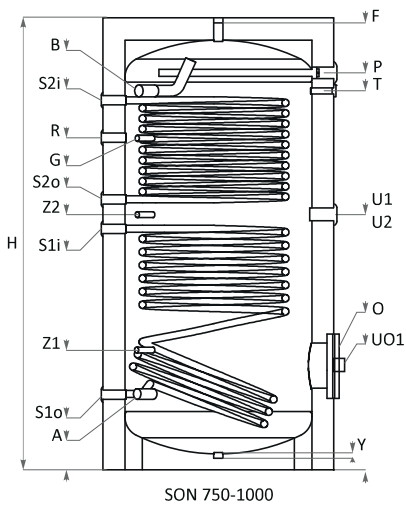
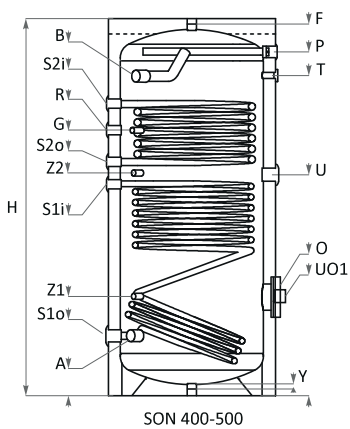
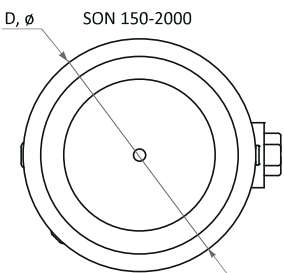
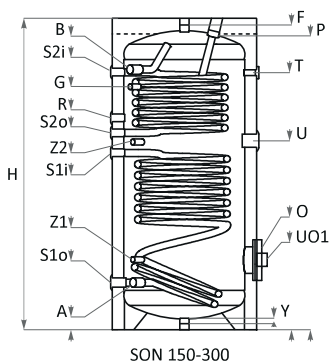
Vertical models.

	Model	Code
150	SON 150	09030106203001
200	SON 200	09030106203002
300	SON 300	01030106203004
400	SON 400	01030106203005
500	SON 500	01030106203006
750	SON 750	01030106203007
1000	SON 1000	01030106203008
1500	SON 1500	01030106203009
2000	SON 2000	09030106203010

H SON - with two coils

Horizontal models.

	Model	Code
300	H SON 300	01035106203004
500	H SON 500	01035106203006
1000	H SON 1000	01035106203008
1500	H SON 1500	01035106203009



SON - with two coils

H SON - with two coils

General parameters				Heat-exchanger coils				Vertical models SON			
	H mm	D mm Ø	kg		S1/S2 m²	S1/S2 L	S1/S2 kW (m³/h)	S1/S2 NL 60°C	S1/S2 Δp, mbar	S1i/S1o mm Rp1"	S2i/S2o mm Rp1"
150	1070	ø560	65		0.74/0.4	4.56/2.47	25(0.61)/15(0.37)	2.5/1	65/48	592/202	874/674
200	1340	ø560	82		0.9/0.6	5.55/3.70	29(0.71)/18(0.44)	4.5/1.5	75/55	692/202	1112/812
300	1420	ø660	118		1.2/0.9	7.40/5.55	53(1.30)/21(0.52)	11/2	120/70	805/215	1170/894
400	1470	ø750	160		1.5/1	9.25/6.17	62(1.52)/27(0.66)	13/2.2	180/80	850/270	1210/952
500	1720	ø750	185		1.8/1.2	11.10/7.40	72(1.77)/34(0.84)	18/2.8	210/90	960/270	1350/1062
750	2000	ø950	263		2.1/1.4	12.95/8.63	80(1.97)/50(1.23)	32/10	210/150	970/300	1560/1160
1000	2050	ø1050	315		2.7/1.9	16.65/11.72	105(2.58)/62(1.52)	42/28	260/210	1080/320	1660/1220
1500	2310	ø1050	423		3/2.5	18.50/15.42	131(3.22)/74(1.82)	64/34	310/260	1180/320	1790/1350
2000	2310	ø1350	761		4.1/3	25.28/18.50	180(4.42)/110(2.70)	80/55	420/300	1635/385	1885/1420

Inlets / Outlets

	A mm	B mm	G mm Rp½"	F mm Rp1"	O mm	P mm Rp1¼"	R mm	T mm Rp½"	U/Uo mm Rp1½"	Y mm Rp1"	Z1/ Z2 mm Rp½"
150	Rp1"/202	Rp1"/1070	788	1070	ø110x180/309	1070	Rp¾"/788	892	752/309	30	352/631
200	Rp1"/202	Rp1"/1168	1037	1340	ø110x180/309	1340	Rp¾"/987	1138	645/309	30	302/752
300	Rp1"/215	Rp1"/1182	1104	1410	ø110x180/320	1410	Rp¾"/957	1170	852/320	30	320/852
400	Rp1¼"/270	Rp1¼"/1240	1054	1480	ø110x180/450	1337	Rp1"/1105	1152	901/450	30	450/901
500	Rp1½"/270	Rp1½"/1453	1206	1710	ø110x180/450	1568	Rp1"/1206	1453	1011/450	30	450/1011
750	Rp1½"/300	Rp1½"/1630	1435	1950	ø200x280/450	1728	Rp1"/1405	1630	1040/450	30	535/1040
1000	Rp1½"/320	Rp1½"/1700	1487	2020	ø200x280/460	1798	Rp1"/1487	1700	1140/460	30	520/1140
1500	2xRp1½"/320	2xRp1½"/1975	1487	2320	ø200x280/460	2x2090	Rp1"/1487	2089	2x1220/460	30	520/1220
2000	2xRp1½"/385	2xRp1½"/1885	1685	2311	ø400x560/484	2x2003	Rp1"/1265	1835	2x1340/2x484	30	745/1340

General parameters			Heat-exchanger coils					Horizontal models H SON				
	 H mm	 C mm	 D mm Ø	 kg		S1/S2 m²	S1/S2 L	S1/S2 kW (m³/h)	S1/S2 NL 60°C	S1/S2 Δp, mbar	S1i/S1o mm Rp1"	S2i/S2o mm Rp1"
300	790	1410	ø660	118		1.2/0.9	7.40/5.55	53(1.30)/21(0.52)	11/2	120/70	535/290	697/610
500	890	1710	ø750	185		1.8/1.2	11.10/7.40	72(1.77)/34(0.84)	18/2.8	210/90	585/325	785/655
1000	1190	2080	ø1050	315		2.7/1.9	16.65/11.72	105(2.58)/62(1.52)	42/28	260/210	790/340	1005/855
1500	1190	2380	ø1050	423		3/2.5	18.50/15.42	131(3.22)/74(1.82)	64/34	310/260	790/340	1005/855

Inlets / Outlets

	A mm	B mm	G mm Rp½"	O mm	P mm Rp1¼"	R mm Rp1"	T mm Rp½"	U/Uo mm Rp1½"	Z mm Rp½"
300	Rp1"/260	Rp1"/260	260	ø110x180/465	360	465	260	465	
500	Rp1½"/270	Rp1½"/270	270	ø110x180/515	370	515	270	515	
1000	Rp1½"/360	Rp1½"/320	360	ø200x280/665	460	665	360	2x665	360
1500	Rp1½"/360	Rp1½"/320	360	ø200x280/665	2x 690/770	665	580	1x280/2x665	580

General parameters		Inlets / Outlets		Heat-exchanger coils	
L	Capacity	Cold water inlet	S1	Lower coil	
H, mm	Height	Hot water outlet	S2	Upper coil	
C, mm	Length	Sensor sleeve for thermostat	S1/S2 m²	Heat exchange surface S1/S2	
øD, mm	Diameter	Air vent sleeve	S1/S2 L	Coil capacity S1/S2	
kg	Weight	Inspection opening / flange	S1/S2 kW (m³/h)	Prolonged power acc. to DIN 4708; 80°C/60°C/45°C, S1/S2	
		Anode	S1/S2 NL 60°C	NL- power coefficient at 60°C, S1/S2	
		Recirculation	S1/S2 Δp, mbar	Pressure drop Δp, S1/S2	
		Thermometer	S1i/S1o mm	Inlet/Outlet Lower coil S1	
		Sleeve for Electric element on water tank body	S2i/S2o mm	Inlet/Outlet Upper coil S2	
		Sleeve for Electric element on inspection opening flange			
		Drain sleeve			
		Additional sensor sleeve			