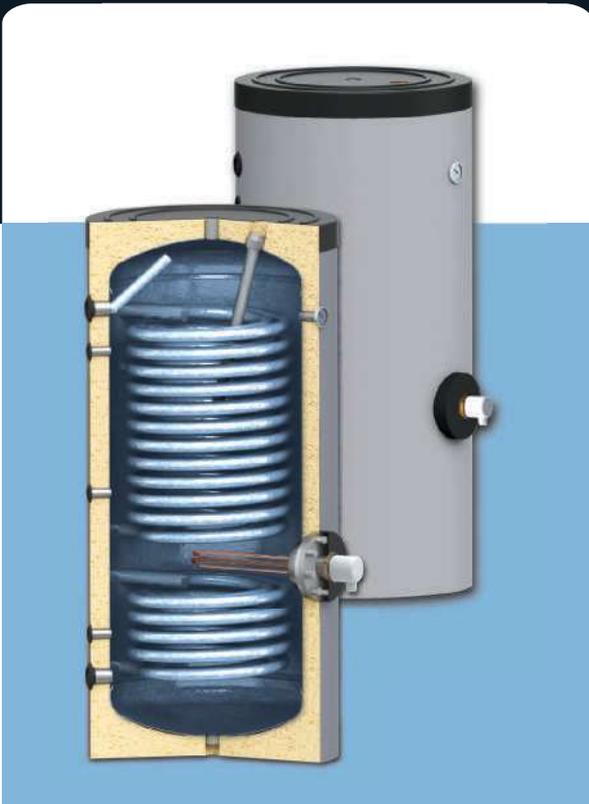
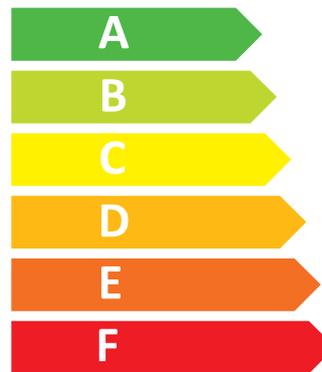


SUNSYSTEM WATER HEATER for heat pump systems



With extra-sized heat exchanger surface. Suitable for solar water heating, space-heating, and heat pump systems with large number of consumers.



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

Insulation	High efficiency insulation (DIN 4753-8): rigid PU, thickness 50 mm. 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. Inlet/Outlet arrangement on 45 angle degrees.
One or two heat-exchanger coils (models SWPN / SWPN-L/ SWP2N)	The height of SWPN-L model is compensated by its smaller diameter, heat exchanger coil with increased surface. Operating pressure: 16 bar Test pressure: 25 bar Maximum temperature: 110°C
Base equipment	Thermometer. Sensor bushing. Safety valve, 8 bar. Adjustable foot. (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).



**SWPN-L
with one coil**

Vertical models.



	Model	Code
300	SWPN-L 300	01030107202014
400	SWPN-L 400	01030107202015
500	SWPN-L 500	01030107202016



**SWPN
with one coil**

Vertical models.



	Model	Code
150	SWPN 150	01030107202001
200	SWPN 200	01030107202002
300	SWPN 300	01030107202004
400	SWPN 400	01030107202005
500	SWPN 500	01030107202006



**SWP2N
with two coils**

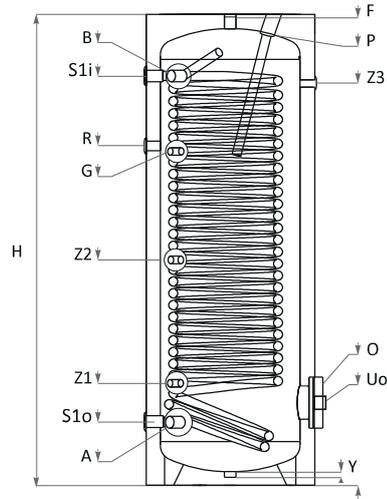
Vertical models.



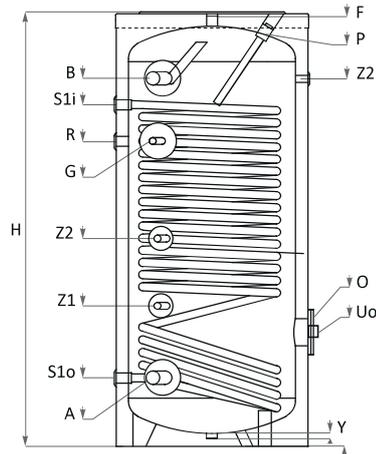
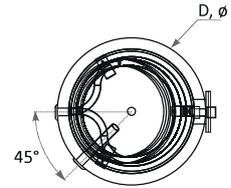
	Model	Code
300	SWP2N 300	01030107203004
400	SWP2N 400	01030107203005
500	SWP2N 500	01030107203006

SERIES SWP

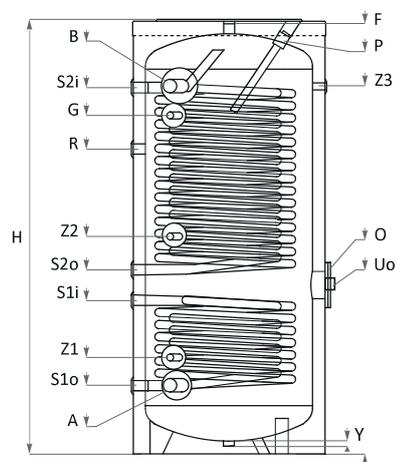
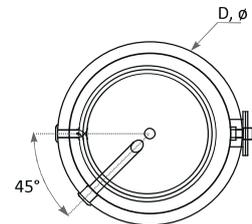
TECHNICAL PARAMETERS



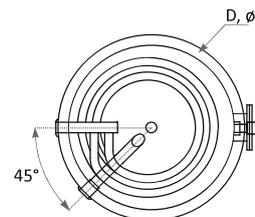
SWPN-L 300-500



SWPN 150-500



SWP2N 300 - 500



SWPN-L / SWPN - with one coil

SWP2N - with two coils

General parameters			Heat-exchanger coil				Vertical models SWPN-L			
	D mm ∅	H mm			S1 m ²	S1 L	S1 kW (m ³ /h)	S1 Δp, mbar	S1i/S1o mm Rp1"	
300	∅610	1695	131		3.3	20.4	90 (2.21)	230	1476/228	
400	∅710	1669	175		3.9	23.6	115 (2.70)	379	1390/260	
500	∅710	1895	196		4.6	28.3	130 (3.19)	569	1626/250	

Inlets / Outlets

	A mm	B mm	G mm Rp½"	F mm Rp1"	O mm	P mm Rp1¼"	R mm	Uo mm Rp1½"	Y mm Rp1"	Z1/ Z2 / Z3 mm Rp½"
300	Rp1"/228	Rp1"/1476	1220	1695	∅110x180/298	1695	Rp¾"/1224	298	30	368/813/1204
400	Rp1¼"/260	Rp1¼"/1420	1176	1669	∅110x180/345	1524	Rp1"/1180	345	30	420/695/1100
500	Rp1½"/250	Rp1½"/1643	1298	1895	∅110x180/345	1750	Rp1"/1392	345	30	433/966/1372

General parameters			Heat-exchanger coil				Vertical models SWPN			
	H mm	D mm ∅			S1 m ²	S1 L	S1 kW (m ³ /h)	S1 NL 60°C	S1 Δp, mbar	S1i/S1o mm Rp1"
150	1070	∅ 560	70		1.4	8.6	40.4 (0.99)	6	120	872/182
200	1340	∅ 560	90		1.9	11.7	51 (1.25)	8	150	1122/182
300	1420	∅ 650	121		2.3	14.8	62 (1.52)	20	400	1155/215
400	1470	∅ 750	165		2.8	17.2	75 (1.84)	27	600	1210/270
500	1720	∅ 750	190		3.3	20	84 (2.06)	34	710	1350/270

Inlets / Outlets

	A mm	B mm	G mm Rp½"	F mm Rp1"	O mm	P mm Rp1¼"	R mm	Uo mm Rp1½"	Y mm Rp1"	Z1/ Z2 / Z3 mm Rp½"
150	Rp1"/182	Rp1"/895	697	1070	∅110x180/309	1070	G¾"/652	309	30	410/ - /868
200	Rp1"/182	Rp1"/1160	967	1340	∅110x180/309	1340	G¾"/922	309	30	410/650/1138
300	Rp1"/215	Rp1"/1182	1054	1410	∅110x180/320	1410	G¾"/1007	320	30	430/700/1170
400	Rp1¼"/270	Rp1¼"/1240	1054	1460	∅110x180/450	1318	G1"/1105	450	30	565/720/1204
500	Rp1½"/270	Rp1½"/1453	1206	1710	∅110x180/450	1568	G1"/1206	450	30	560/800/1453

General parameters			Heat-exchanger coils				Vertical models SWP2N				
	H mm	D mm ∅			S1/S2 m ²	S1/S2 L	S1 kW (m ³ /h)	S1 NL 60°C	S1 Δp, mbar	S1i/S1o mm Rp1"	S2i/S2o mm Rp1"
300	1420	∅660	145		1.2/2.7	6.5/16.1	53(1.30) / 75(1.84)	11/17	55/70	456/215	1155/578
400	1470	∅750	198		1.5/3.2	10/18.9	62(1.52) / 82(2.01)	14/22	70/85	562/270	1210/678
500	1720	∅750	236		1.8/4.36	11.8/26	72(1.77) / 94(2.31)	18/29	90/120	606/270	1446/726

Inlets / Outlets

	A mm	B mm	G mm Rp½"	F mm Rp1"	O mm	P mm Rp1¼"	R mm	Uo mm Rp1½"	Y mm Rp1"	Z1/ Z2 / Z3 mm Rp½"
300	Rp1"/215	Rp1"/1182	1170	1410	∅110x180/516	1410	Rp¾"/1007	516	30	697/1070/325
400	Rp1¼"/270	Rp1¼"/1240	1152	1460	∅110x180/618	1318	Rp1"/1105	618	30	755/1130/380
500	Rp1½"/270	Rp1½"/1475	1453	1710	∅110x180/666	1568	Rp1"/1206	666	30	858/1336/380

General parameters	Inlets / Outlets	Heat-exchanger coils
L Capacity	A, mm Cold water inlet	S1 Lower coil
H, mm Height	B, mm Hot water outlet	S2 Upper coil
∅D, mm Diameter	G, mm Sensor sleeve for thermostat	S1/S2 m ² Heat exchange surface S1/S2
kg Weight	F, mm Air vent sleeve	S1/S2 L Coil capacity S1/S2
	O, mm Inspection opening / flange	S1/S2 kW (m ³ /h) Prolonged power acc. to DIN 4708; 80°C/60°C/45°C, S1/S2
	P, mm Anode	S1/S2 NL 60°C NL- power coefficient at 60°C, S1/S2
	R, mm Recirculation	S1/S2 Δp, mbar Pressure drop Δp, S1/S2
	Uo, mm Sleeve for Electric element on inspection opening flange	S1i/S1o mm Inlet/Outlet Lower coil S1
	Y, mm Drain sleeve	S2i/S2o mm Inlet/Outlet Upper coil S2
	Z, mm Additional sensor sleeve	