



SON 150

SON 200

SON 300

SON 400

SON 500

SON 750

SON 1000

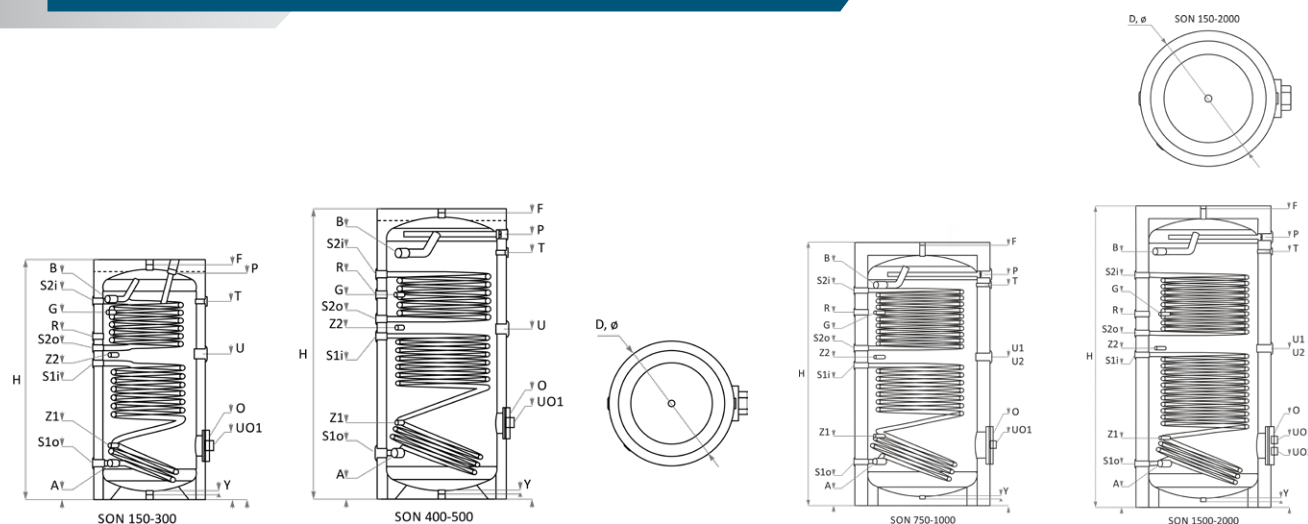
SON 1500



The models are also available
in horizontal version.

Technical specifications

		SON 150	SON 200	SON 300	SON 400	SON 500
Capacity	L	150	200	300	400	500
Height / Mounting height	H, mm	1070/1210	1340/1460	1420/1580	1490/1670	1720/1890
Diameter	D, mm	Ø 560	Ø 560	Ø 660	Ø 750	Ø 750
Insulation		50 mm rigid PU				
Working pressure/Maximum temperature	bar/°C	8/95	8/95	8/95	8/95	8/95
Boiler test pressure	bar	13	13	13	13	13
Electric heater (optional power)	kW	2 x (3÷6)	2x (3÷6)	2 x (3÷6)	2 x (3÷7.5)	2 x (3÷7.5)
Weight	kg	65	82	118	160	185
Cold water inlet	A, mm	Rp1"/202	Rp1"/202	Rp1"/215	Rp1 1/4"/270	Rp1 1/2"/270
Hot water outlet	B, mm	Rp1"/895	Rp1"/1138	Rp1"/1182	Rp1 1/4"/1240	Rp1 1/2"/1455
Recirculation	R, mm	Rp3/4"/788	Rp3/4"/987	Rp3/4"/957	Rp1"/1090	Rp1"/1206
Working pressure/Max. operating temperature S1/S2	bar/°C	16/110	16/110	16/110	16/110	16/110
Pressure testing of S1/S2 coils	bar	25	25	25	25	25
Capacity of coils S1/S2	L	4.56/2.47	5.55/3.70	7.40/5.55	9.25/6.17	11.10/7.40
Heat exchange surface coils	S1/S2, m ²	0.74/0.4	0.9/0.6	1.2/0.9	1.5/1	1.8/1.2
Lower serpentine inlet S1	S1i, mm, Rp1"	592	692	805	850	960
Lower serpentine outlet S1	S1o, mm, Rp1"	202	202	215	270	270
Upper coil inlet S2	S2i, mm, Rp1"	874	1112	1170	1210	1350
Upper coil outlet S2	S2o, mm, Rp1"	674	812	894	952	1062
Continuous power according to DIN 4708; 80°C/60°C/45°C, S1	kW (m ³ /h)	25(0.61)	29(0.71)	53(1.30)	62(1.52)	72(1.77)
Continuous power according to DIN 4708; 80°C/60°C/45°C, S2	kW (m ³ /h)	15(0.37)	18(0.44)	21(0.52)	27(0.66)	34(0.84)
NL – power factor 60°C, S1/S2	NL 60°C	2.5/1	4.5/1.5	11/2	13/2.2	18/2.8
Pressure loss Δp, S1/S2	Δp, mbar	65/48	75/55	120/70	180/80	210/90
Thermostat socket	G, mm, Rp1/2"	741	912	985	1040	1160
Air vent	F, mm, Rp1"	1070	1340	1410	1480	1710
Inspection opening/flange	O, mm, Ø, mm	180/309 Ø 110	180/309 Ø 110	180/320 Ø 110	180/450 Ø 110	180/450 Ø 110
Draining	Y, mm, Rp1"	30	30	30	30	30
Thermometer	T, mm, Rp1/2"	895	1138	1170	1210	1453
Anode protector	P, mm, Rp1 1/4"	1070	1340	1410	1337	1568
Sleeve for electric heater on mantel	U, mm	Rp1 1/2" /645	Rp1 1/2" /752	Rp1 1/2" /852	Rp1 1/2" /901	Rp1 1/2" /1011
Cover plug for inspection opening	Uo, mm	Rp1 1/2" /309	Rp1 1/2" /309	Rp1 1/2" /320	Rp1 1/2" /450	Rp1 1/2" /450
Socket for additional sensor	Z, mm, Rp1/2"	352/631	302/752	320/852	450/901	450/1011



Technical specifications

		SON 750	SON 1000	SON 1500
Capacity	L	750	1000	1500
Height / Mounting height	H, mm	2000/2030	2050/2080	2310/2370
Diameter	D, mm	Ø 950	Ø 1050	Ø 1050
Insulation		100 mm soft PU, removable cover		
Working pressure/Maximum temperature	bar/°C	8/95	8/95	8/95
Boiler test pressure	bar	13	13	13
Electric heater (optional power)	kW	2 x (3÷7.5)	2 x (3÷7.5)	3 x (3÷7.5)
Weight	kg	263	315	423
Cold water inlet	A, mm	Rp11/2"/300	Rp11/2"/320	2xRp11/2"/320
Hot water outlet	B, mm	Rp11/2"/1630	Rp11/2"/1700	2xRp11/2"/1975
Recirculation	R, mm	Rp1"/1405	Rp1"/1487	Rp1"/1487
Working pressure/Max. operating temperature S1/S2	bar/°C	16/110	16/110	16/110
Pressure testing of S1/S2 coils	bar	25	25	25
Capacity of coils S1/S2	L	12.95/8.63	16.65/11.72	18.50/11.72
Heat exchange surface coils	S1/S2, m ²	2.1/1.4	2.7/1.9	3/2.5
Lower serpentine inlet S1	S1i, mm, Rp1"	970	1070	1170
Lower serpentine outlet S1	S1o, mm, Rp1"	300	320	320
Upper coil inlet S2	S2i, mm, Rp1"	1560	1660	1800
Upper coil outlet S2	S2o, mm, Rp1"	1160	1210	1350
Continuous power according to DIN 4708; 80°C/60°C/45°C, S1	kW (m ³ /h)	80(1.97)	105(2.58)	131(3.22)
Continuous power according to DIN 4708; 80°C/60°C/45°C, S2	kW (m ³ /h)	50(1.23)	62(1.52)	74(1.82)
NL – power factor 60°C, S1/S2	NL 60°C	32/10	42/28	64/34
Pressure loss Δp, S1/S2	Δp, mbar	210/150	260/110	310/260
Thermostat socket	G, mm, Rp1/2"	1288	1360	1487
Air vent	F, mm, Rp1"	1950	2020	2320
Inspection opening/flange	O, mm, Ø, mm	280/450 Ø 200	280/460 Ø 200	280/460 Ø 200
Draining	Y, mm, Rp1"	30	30	30
Thermometer	T, mm, Rp1/2"	1630	1700	1975
Anode protector	P, mm, Rp11/4"	1728	1785	2 x 2090
Sleeve for electric heater on mantel	U, mm	Rp11/2" /1040	Rp11/2" /1140	2 x Rp11/2" /1220
Cover plug for inspection opening	Uo, mm	Rp11/2" /450	Rp11/2" /460	Rp11/2" /460
Socket for additional sensor	Z, mm, Rp1/2"	535/1040	520/1140	520/1220