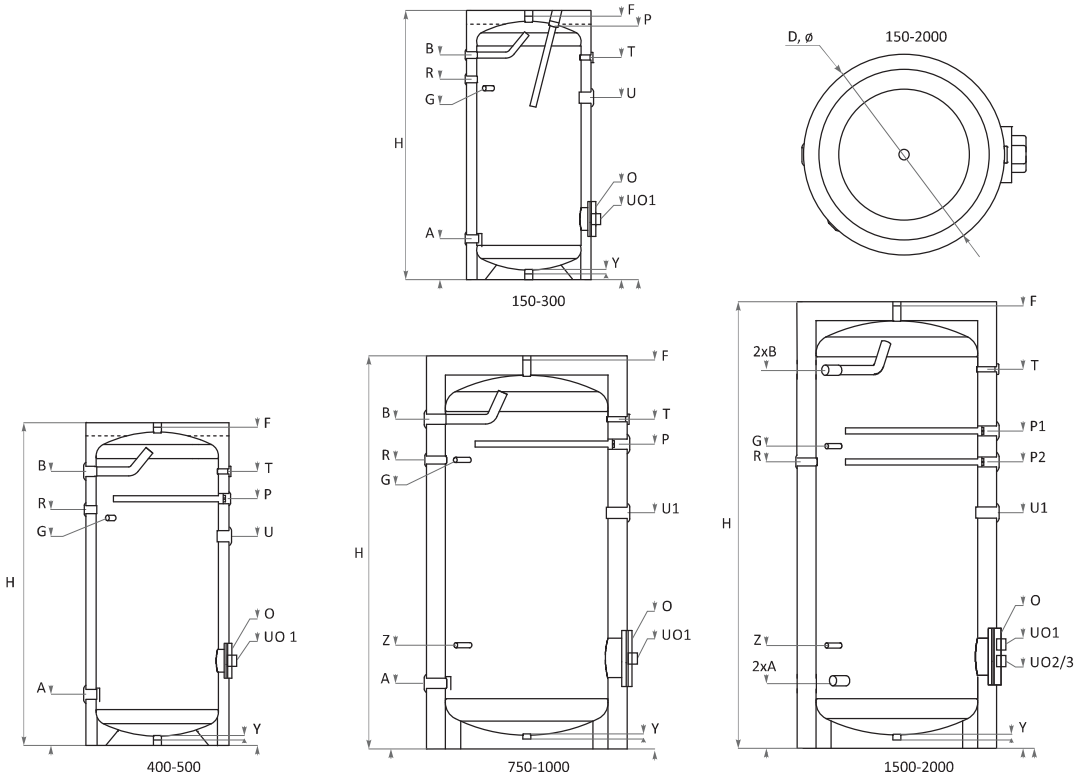
4. TECHNICAL PARAMETERS - VERTICAL MODIFICATIONS

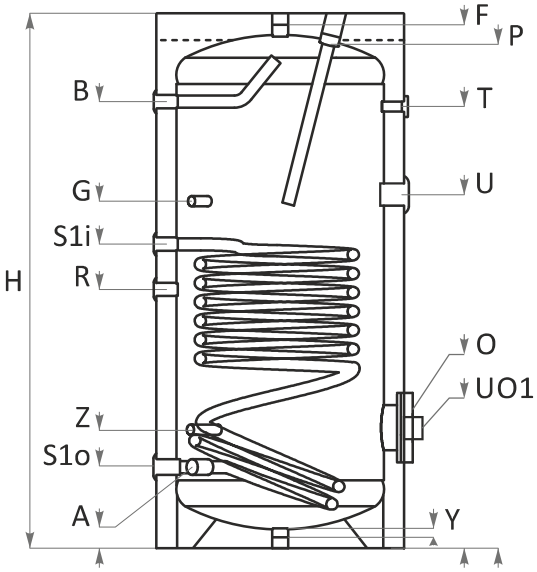
4.1.SOLE BL-0 - withhout coil.

		SOLE BL-0 150	SOLE BL-0 200	SOLE BL-0 300	SOLE BL-0 400	SOLE BL-0 500
Capacity	L	150	200	300	400	500
Height / Min. vertical clearance	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 PPU				
Oper. pressure / max. temperature	bar/°C	10/95	10/95	10/95	10/95	10/95
Test pressure of tank	bar	15	15	15	15	15
Electric heating element (optional)	kW	2 x (3÷6)	2 x (3÷6)	2 x (3÷6)	2 x (3÷7.5)	1 x (3÷7.5)
Weight	kg	50	68	86	123	140
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"/1112	Rp"/1182	Rp1$^{1/4"}$/1204	Rp1$^{1/2"}$/1453
Recirculation	R, mm	Rp$^{3/4"}$/788	Rp$^{3/4"}$/987	Rp$^{3/4"}$/1055	Rp1"/1005	Rp1"/1250
Sensor sleeve for thermostat	G, mm, Rp$^{1/2"}$	788	900	1008	950	1208
Air vent sleeve	F, mm, Rp"	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
Drain sleeve	Y, mm, Rp"	20	20	20	20	20
Thermometer	T, mm, Rp$^{1/2"}$	895	1138	1170	1204	1453
Anode	P, mm, Rp$^{1/4"}$	1070	1340	1410	1079	1340
Sleeve for Electric element on water tank body	U, mm,	Rp1$^{1/2"}$/630	Rp1$^{1/2"}$/750	Rp1$^{1/2"}$/850	Rp1$^{1/2"}$/900	Rp1$^{1/2"}$/1010
Sleeve for Electric element on inspection opening flange	Uo, mm,	Rp1$^{1/2"}$/309	Rp1$^{1/2"}$/309	Rp1$^{1/2"}$/320	Rp1$^{1/2"}$/450	Rp1$^{1/2"}$/450
Additional sensor sleeve	Z, mm	-	-	-	-	-

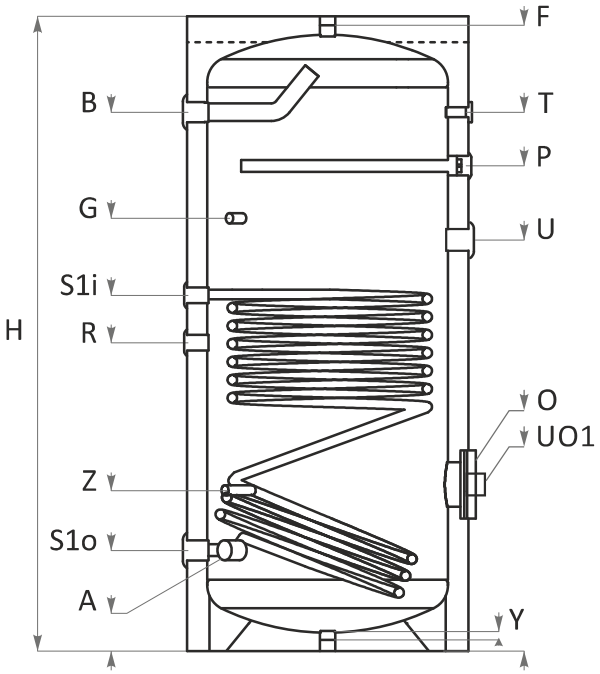


		SOLE BL-0 750	SOLE BL-0 1000	SOLE BL-0 1500	SOLE BL-0 2000
Capacity	L	750	1000	1500	2000
Height / Min. vertical clearance	H, mm	2000/2030	2050/2080	2310/2370	2310/2370
Diameter	D, mm	Ø 950	Ø 1050	Ø 1050	Ø 1350
Insulation		100 mm soft PPU, removable			
Oper. pressure / max. temperature	bar/^{0}C	10/95	10/95	10/95	10/95
Test pressure of tank	bar	15	15	15	15
Electric heating element (optional)	kW	2 x (3÷7.5)	3 x (3÷7.5)	4 x (3÷7.5)	5 x (3÷7.5)
Weight	kg	210	245	342	645
Cold water inlet	A, mm	Rp1$^{1/2"}$/300	Rp1$^{1/2"}$/320	2 x Rp1$^{1/2"}$/320	2 x Rp1$^{1/2"}$/385
Hot water outlet	B, mm	Rp1$^{1/2"}$/1630	Rp1$^{1/2"}$/1700	2 x Rp1$^{1/2"}$/1975	2 x Rp1$^{1/2"}$/1885
Recirculation	R, mm	Rp1”/1405	Rp1”/1487	Rp1”/1487	Rp1”/1635
Sensor sleeve for thermostat	G, mm, Rp$^{1/2"}$	1435	1570	1487	1685
Air vent sleeve	F, mm, Rp1”	1945	2020	2320	2311
Inspection opening/Flange	O, mm Ø, mm	280/450 Ø 200	280/460 Ø 200	280/460 Ø 200	560/555 Ø 400
Drain sleeve	Y, mm, Rp1”	20	40	40	30
Thermometer	T, mm, Rp$^{1/2"}$	1630	1700	1975	1835
Anode	P, mm, Rp1$^{1/4"}$	1435	1570	2 x 1570/1650	2 x 1625/1705
Sleeve for Electric element on water tank body	U, mm,	Rp1$^{1/2"}$ /1040	Rp1$^{1/2"}$/1140	Rp1$^{1/2"}$ /1220	2 x Rp1$^{1/2"}$ /1330
Sleeve for Electric element on inspection opening flange	Uo, mm,	Rp1$^{1/2"}$ /450	2 x Rp1$^{1/2"}$ /460	3 x Rp1$^{1/2"}$/460	3 x Rp1$^{1/2"}$ /555
Additional sensor sleeve	Z, mm, Rp$^{1/2"}$	535	520	520	745

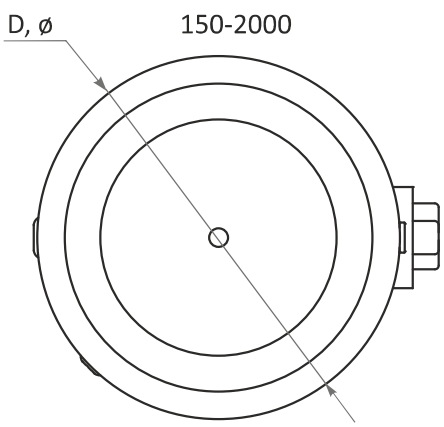
4.2. SOLE BL-1 - with one coil



150-300

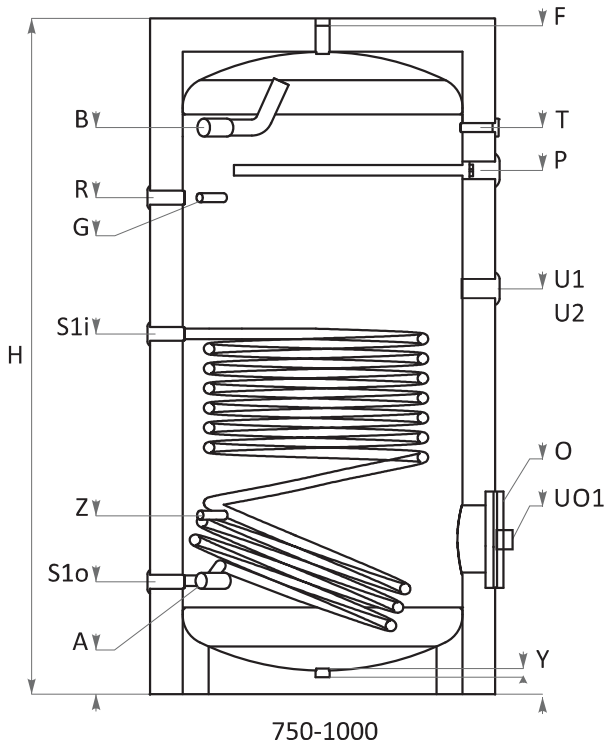


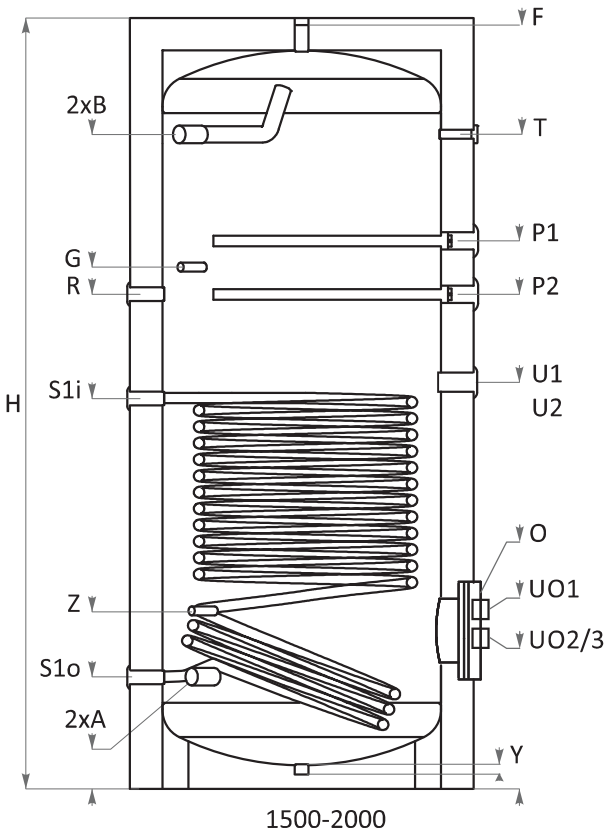
400-500

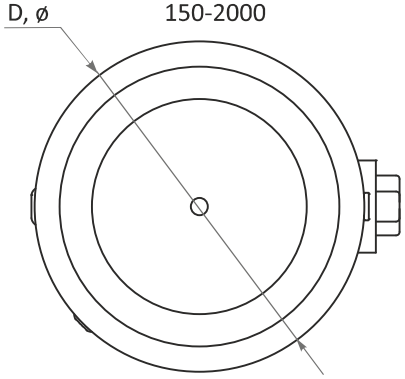


		SOLE BL-1 150	SOLE BL-1 200	SOLE BL-1 300	SOLE BL-1 400	SOLE BL-1 500
Capacity	L	150	200	300	400	500
Height / Min. vertical clearance	H, mm	1070/1210	1340/1460	1420/1580	1490/1670	1720/1890
Diameter	D, mm	Ø 560	Ø 560	Ø 660	Ø 750	Ø 750
Insulation		50 mm rigid PPU				
Oper. pressure / max. temperature	bar/^{0}C	10/95	10/95	10/95	10/95	10/95
Test pressure of tank	bar	15	15	15	15	15
Electric heating element (optional)	kW	2 x (3÷6)	2 x (3÷6)	2 x (3÷6)	2 x (3÷7.5)	2 x (3÷7.5)
Weight	kg	59	73	104	145	167
Cold water inlet	A, mm	Rp1”/202	Rp1”/202	Rp1”/215	Rp$^{1/4''}$/270	Rp$^{1/2''}$/270
Hot water outlet	B, mm	Rp1”/868	Rp1”/1140	Rp1”/1170	Rp$^{1/4''}$/1204	Rp$^{1/2''}$/1453
Recirculation	R, mm	Rp$^{3/4''}$/450	Rp$^{3/4''}$/500	Rp$^{3/4''}$/663	Rp1”/673	Rp1”/831
Oper. pressure / max. Coil temp.S1	bar/^{0}C	16/110	16/110	16/110	16/110	16/110
Test pressure S1	bar	25	25	25	25	25
Coil capacity S1	L	4.56	5.55	7.40	9.25	11.10
Heat exchange surface S1	m²	0.74	0.9	1.2	1.5	1.8
Coil inlet	S1i, mm, Rp1”	592	692	805	850	960
Coil outlet	S1o, mm, Rp1”	202	202	215	270	270
Prolonged power acc. to DIN 4708; 80°C/60°C/45°C, S1	kW (m3/h)	25(0.61)	29(0.71)	53(1.30)	62(1.52)	72(1.77)
NL – power coefficient at 60°C, S1	NL 60°C	2.5	4.5	11	13	18
Pressure drop Δp, S1	Δp, mbar	65	75	120	180	210
Sensor sleeve for thermostat	G, mm, Rp$^{1/2''}$	738	892	995	950	1168
Air vent sleeve	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
Drain sleeve	Y, mm, Rp1”	20	20	20	20	20
Thermometer	T, mm, Rp$^{1/2''}$	868	1138	1170	1204	1453
Anode	P, mm, Rp$^{1/4''}$	1070	1340	1410	1079	1340
Sleeve for Electric element on water tank body	U, mm,	Rp$^{1/2''}$/680	Rp$^{1/2''}$/850	Rp$^{1/2''}$/850	Rp$^{1/2''}$/900	Rp$^{1/2''}$/1130
Sleeve for Electric element on inspection opening flange	Uo, mm,	Rp$^{1/2''}$/309	Rp$^{1/2''}$/309	Rp$^{1/2''}$/320	Rp$^{1/2''}$/450	Rp$^{1/2''}$/450

* optional positioning of an electric heater


F
B
T
P
R
G
U1
U2
S1i
H
O
UO1
Z
S1o
A
Y
750-1000

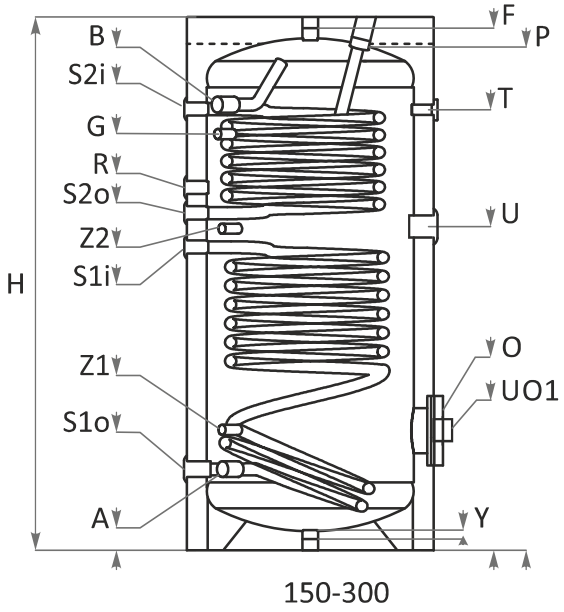

F
2xB
T
P1
G
R
P2
U1
U2
S1i
H
O
UO1
UO2/3
Z
S1o
2xA
Y
1500-2000


D, ø
150-2000

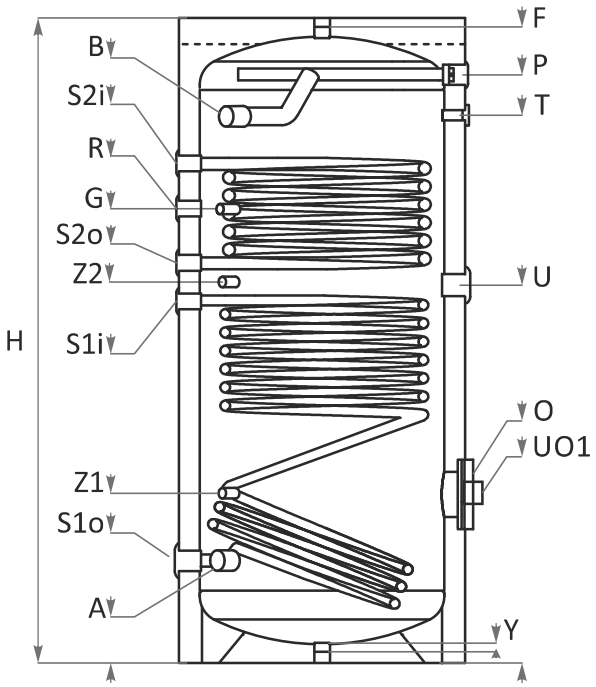
		SOLE BL-1 750	SOLE BL-1 1000	SOLE BL-1 1500	SOLE BL-1 2000
Capacity	L	750	1000	1500	2000
Height / Min. vertical clearance	H, mm	2000/2030	2050/2080	2310/2370	2310/2370
Diameter	D, mm	Ø 950	Ø 1050	Ø 1050	Ø 1350
Insulation		100 mm soft PPU, removable			
Oper. pressure / max. temperature	bar/^{0}C	10/95	10/95	10/95	10/95
Test pressure of tank	bar	15	15	15	15
Electric heating element (optional)	kW	2 x (3÷7.5)	4 x (3÷7.5)	5 x (3÷7.5)	5 x (3÷7.5)
Weight	kg	242	286	392	712
Cold water inlet	A, mm	Rp1$^{1/2''}$/300	Rp1$^{1/2''}$/320	2 x Rp1$^{1/2''}$/320	2 x Rp1$^{1/2''}$/385
Hot water outlet	B, mm	Rp1$^{1/2''}$/1630	Rp1$^{1/2''}$/1700	2 x Rp1$^{1/2''}$/1975	2 x Rp1$^{1/2''}$/1885
Recirculation	R, mm	Rp1”/1405	Rp1”/1487	Rp1”/1487	Rp1”/1635
Oper. pressure / max. Coil temp.S1	bar/^{0}C	16/110	16/110	16/110	16/110
Test pressure S1	bar	25	25	25	25
Coil capacity S1	L	12.95	16.65	18.50	25.28
Heat exchange surface S1	m²	2.1	2.7	3	4.1
Coil inlet	S1i, mm, Rp1”	970	1070	1170	1265
Coil outlet	S1o, mm, Rp1”	300	320	320	385
Prolonged power acc. to DIN 4708; 80°C/60°C/45°C, S1	kW (m3/h)	80(1.97)	105(2.58)	131(3.22)	180(4.42)
NL – power coefficient at 60°C, S1	NL 60°C	32	42	64	80
Pressure drop Δp, S1	Δp, mbar	210	260	310	420
Sensor sleeve for thermostat	G, mm, Rp$^{1/2''}$	1435	1487	1487	1685
Air vent sleeve	F, mm, Rp1”	1950	2020	2320	2311
Inspection opening/Flange	O, mm, Ø, mm	280/450 Ø 200	280/460 Ø 200	280/460 Ø 200	560/555 Ø 400
Drain sleeve	Y, mm, Rp1”	20	40	40	30
Thermometer	T, mm, Rp$^{1/2''}$	1630	1700	1975	1835
Anode	P, mm, Rp1$^{1/4''}$	1435	1570	2 x 1570/1650	2 x 1625/1705
Sleeve for Electric element on water tank body	U, mm,	Rp1$^{1/2''}$/1040	2 x Rp1$^{1/2''}$/1145	2 x Rp1$^{1/2''}$/1220	2 x Rp1$^{1/2''}$/1330
Sleeve for Electric element on inspection opening flange	Uo, mm,	Rp1$^{1/2''}$/450	2 x Rp1$^{1/2''}$/460	3 x Rp1$^{1/2''}$/460	3 x Rp1$^{1/2''}$/555

* optional positioning of an electric heater

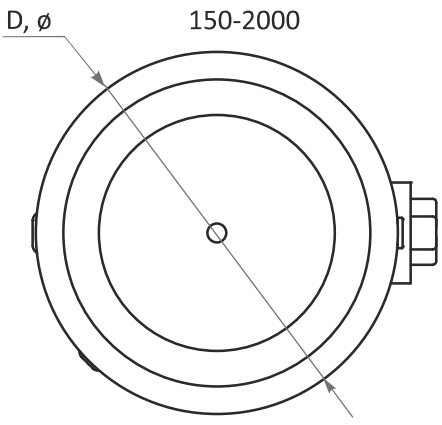
4.3. SOLE BL-2 - with two coils.



150-300

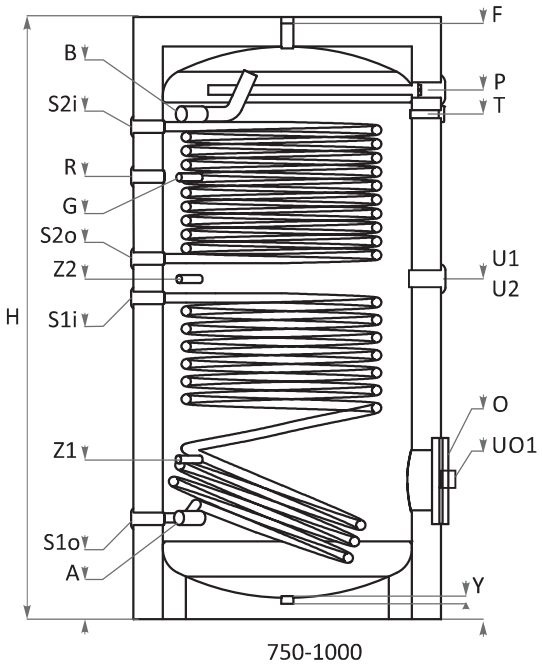


400-500

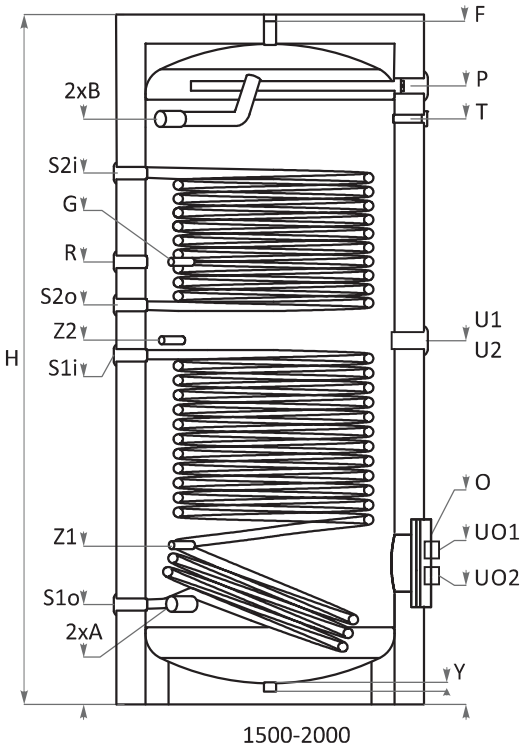


		SOLE BL-2 150	SOLE BL-2 200	SOLE BL-2 300	SOLE BL-2 400	SOLE BL-2 500
Capacity	L	150	200	300	400	500
Height / Min. vertical clearance	H, mm	1070/1210	1340/1460	1420/1580	1470/1670	1720/1890
Diameter	D, mm	Ø 560	Ø 560	Ø 660	Ø 750	Ø 750
Insulation		50 mm rigid PPU				
Oper. pressure / max. temperature	bar/°C	10/95	10/95	10/95	10/95	10/95
Test pressure of tank	bar	15	15	15	15	15
Electric heating element (optional)	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"/1070	Rp1"/1168	Rp1"/1182	Rp1$^{1/4"}$/1240	Rp1$^{1/2"}$/1453
Recirculation	R, mm	Rp$^{3/4"}$/788	Rp$^{3/4"}$/987	Rp$^{3/4"}$/957	Rp1"/1105	Rp1"/1206
Operating pressure / Max.Coils temp. S1/S2	bar/°C	16/110	16/110	16/110	16/110	16/110
Test pressure S1/S2	bar	25	25	25	25	25
Coil capacity S1/S2	L	4.56/2.47	5.55/3.70	7.40/5.55	9.25/6.17	11.10/7.40
THeat exchange surface S1/S2	m²	0.74/0.4	0.9/0.6	1.2/0.9	1.5/1	1.8/1.2
Lower coil inlet S1	S1i, mm, Rp1"	592	692	805	850	960
Lower coil 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
Prolonged power acc. to DIN 4708; 80°C/60°C/45°C S1	kW (m3/h)	25(0.61)	29(0.71)	53(1.30)	62(1.52)	72(1.77)
Prolonged power acc. to DIN 4708; 80°C/60°C/45°C, S2	kW (m3/h)	15(0.37)	18(0.44)	21(0.52)	27(0.66)	34(0.84)
NL – power coefficient at 60°C, S1/S2	NL 60°C	2.5/1	4.5/1.5	11/2	13/2.2	18/2.8
Pressure drop Δp, S1/S2	Δp, mbar	65/48	75/55	120/70	180/80	210/90
Sensor sleeve for thermostat	G, mm, Rp$^{1/2"}$	788	1037	1104	1054	1206
Air vent sleeve	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
Drain sleeve	Y, mm, Rp1"	30	30	30	30	30
Thermometer	T, mm, Rp$^{1/2"}$	892	1138	1170	1152	1453
Anode	P, mm, Rp1$^{1/4"}$	1070	1340	1410	1337	1568
Sleeve for Electric element on water tank body	U, mm,	Rp1$^{1/2"}$/752	Rp1$^{1/2"}$/645	Rp1$^{1/2"}$/852	Rp1$^{1/2"}$/901	Rp1$^{1/2"}$/1111
Sleeve for Electric element on inspection opening flange	Uo, mm,	Rp1$^{1/2"}$/309	Rp1$^{1/2"}$/309	Rp1$^{1/2"}$/320	Rp1$^{1/2"}$/450	Rp1$^{1/2"}$/450
Additional sensor sleeve	Z, mm, Rp$^{1/2"}$	352/631	302/752	320/852	450/901	450/1011

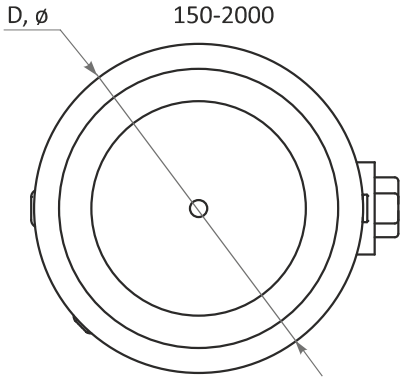
*optional positioning of an electric heater



750-1000



1500-2000



		SOLE BL-2 750	SOLE BL-2 1000	SOLE BL-2 1500	SOLE BL-2 2000
Capacity	L	750	1000	1500	2000
Height / Min. vertical clearance	H, mm	2000/2030	2050/2080	2310/2370	2310/2370
Diameter	D, mm	Ø 950	Ø 1050	Ø 1050	Ø 1350
Insulation		100 mm soft PPU, removable			
Oper. pressure / max. temperature	bar/°C	10/95	10/95	10/95	10/95
Test pressure of tank	bar	15	15	15	15
Electric heating element (optional)	kW	2 x (3÷7.5)	2 x (3÷7.5)	3 x (3÷7.5)	4 x (3÷7.5)
Weight	kg	263	315	423	761
Cold water inlet	A, mm	Rp1$^{1/2"}$/300	Rp1$^{1/2"}$/320	2x Rp1$^{1/2"}$/320	2x Rp1$^{1/2"}$/385
Hot water outlet	B, mm	Rp1$^{1/2"}$/1630	Rp1$^{1/2"}$/1700	2xRp1$^{1/2"}$/1975	2x Rp1$^{1/2"}$/1885
Recirculation	R, mm	Rp1"/1405	Rp1"/1487	Rp1"/1487	Rp1"/1265
Operating pressure / Max.Coils temp. S1/S2	bar/°C	16/110	16/110	16/110	16/110
Test pressure S1/S2	bar	25	25	25	25
Coil capacity S1/S2	L	12.95/8.63	16.65/11.72	18.50/15.42	25.28/18.50
THeat exchange surface S1/S2	m²	2.1/1.4	2.7/1.9	3/2.5	4.1/3
Lower coil inlet S1	S1i, mm, Rp1"	970	1080	1180	1635
Lower coil outlet S1	S1o, mm, Rp1"	300	320	320	385
Upper coil inlet S2	S2i, mm, Rp1"	1560	1660	1790	1885
Upper coil outlet S2	S2o, mm, Rp1"	1160	1220	1350	1420
Prolonged power acc. to DIN 4708; 80°C/60°C/45°C, S1	kW (m3/h)	80(1.97)	105(2.58)	131(3.22)	180(4.42)
Prolonged power acc. to DIN 4708; 80°C/60°C/45°C, S2	kW (m3/h)	50(1.23)	62(1.52)	74(1.82)	110(2.70)
NL – power coefficient at 60°C, S1/S2	NL 60°C	32/10	42/28	64/34	80/55
Pressure drop Δp, S1/S2	Δp, mbar	210/150	260/110	310/260	420/300
Sensor sleeve for thermostat	G, mm, Rp$^{1/2"}$	1435	1487	1487	1685
Air vent sleeve	F, mm, Rp1"	1950	2020	2320	2311
Inspection opening/Flange	O, mm, Ø, mm	280/450 Ø 200	280/460 Ø 200	280/460 Ø 200	560/484 Ø 400
Drain sleeve	Y, mm, Rp1"	30	30	30	30
Thermometer	T, mm, Rp$^{1/2"}$	1630	1700	2089	1835
Anode	P, mm, Rp1$^{1/4"}$	1728	1798	2 x 2090	2 x 2003
Sleeve for Electric element on water tank body	U, mm,	Rp1$^{1/2"}$/1040	Rp1$^{1/2"}$ /1140	2 x Rp1$^{1/2"}$ /1220	2 x Rp1$^{1/2"}$ /1340
Sleeve for Electric element on inspection opening flange	Uo, mm,	Rp1$^{1/2"}$ /450	Rp1$^{1/2"}$ /460	Rp1$^{1/2"}$ /460	2 x Rp1$^{1/2"}$/ 484
Additional sensor sleeve	Z, mm, Rp$^{1/2"}$	535/1040	520/1140	520/1220	745/1340

* optional positioning of an electric heater