> Vertical for solar collectors and CH systems
– type SGW(S)B

capacity 200÷400 l		unit	SGW(S)B 200	SGW(S)B 250	SGW(S)B 300	SGW(S)B 400	SGW(S)B 500
nominal capacity		l	218	263	302	404	480
actual capacity [3]		l	204	249	282	379	453
maximum working pressure		MPa	1.0	1.0	1.0	1.0	1.0
maximum working pressure the spiral coil		MPa	1.6	1.6	1.6	1.6	1.6
maximum tank operating temperature		°C	100	100	100	100	100
maximum coil operating temperature		°C	110	110	110	110	110
surface of the solar collector coil		m²	1.0	1.2	1.4	1.8	2.0
solar collector coil power (70/10/45°C)		kW	24	29	33.6	43	48
heating capacity		l/h	570	635	800	1030	1150
solar collector coil power (80/10/45°C)		kW	32	38.4	44.8	57.6	64
heating capacity		l/h	760	920	1070	1380	1530
surface of the CH coil		m²	0.7	0.7	1.1	1.1	1.1
CH coil power (70/10/45°C)		kW	17	17	26.4	26.4	26.4
heating capacity		l/h	410	410	630	630	630
CH coil power (80/10/45°C)		kW	22	22	35	35.2	35.2
heating capacity		l/h	540	540	840	840	840
demand for heating water from CH boiler		m³/h	2.7	2.85	3.0	3.0	3.0
magnesium anode	upper bottom plug 5/4 [4]	mm	38x400	38x400	38x400	38x400	38x600
	insp. hole, screw M8	mm	38x200	38x200	38x200	38x400	38x200
h1 – cold water inflow – Ø 1"		mm	130	210	210	240	240
h2 – water outflow to solar coil – Ø 1"		mm	210	290	290	320	320
h3 – sensor cover I – Ø 3/8"		mm	355	400	440	570	530
h4 – circulation – Ø 3/4"		mm	450	595	650	770	850
h5 – hot water inflow from solar collectors – Ø 1"		mm	550	695	760	870	970
h6 – CH water outflow – Ø 1"		mm	635	795	845	980	1090
h7 – sensor cover II – Ø 3/8"		mm	765	900	1015	1150	1260
h8 – CH hot water inflow – Ø 1"		mm	895	1005	1190	1330	1440
h9 – domestic hot water outflow – Ø 1"		mm	975	1085	1260	1410	1650
L – height		mm	1140	1300	1450	1660	1890
D – external diameter		mm	670	670	670	700	700
net weight		kg	98	115	133	162	215

> EXTRA GLASS ceramic enamel + magnesium anode.
> Tank insulation – thick layer of rigid polyurethane foam.
> Possibility of installation of electrical set.
> Water exchangers with two coils (so-called bivalent) for heating DHW, both through the central heating boiler, as well as using solar energy.

diagram of an exchanger 200 l

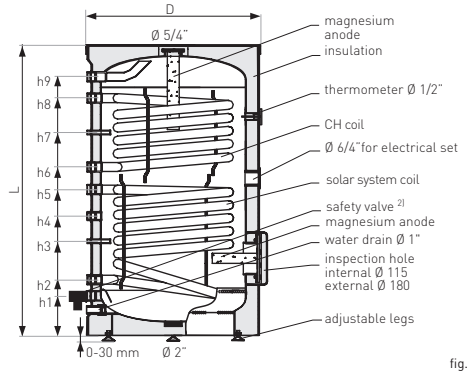

fig. 15

diagram of an exchanger 250÷500 l

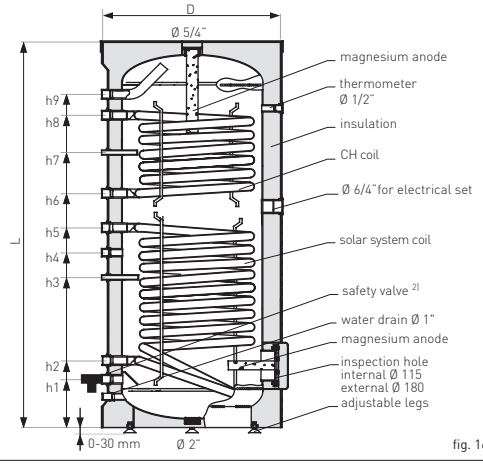

fig. 16

diagram of an exchanger 720÷1500 l

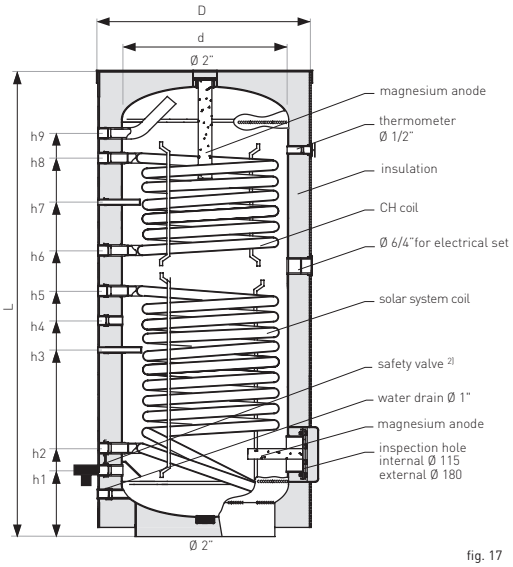

fig. 17

capacity 500÷1500 l		unit	SGW(S)B 720	SGW(S)B 1000	SGW(S)B 1500
nominal capacity		l	712	1028	1456
actual capacity [3]		l	683	992	1420
maximum working pressure		MPa	1.0	1.0	1.0
maximum working pressure the spiral coil		MPa	1.6	1.6	1.6
maximum tank operating temperature		°C	100	100	100
maximum coil operating temperature		°C	110	110	110
surface of the solar collector coil		m²	2.4	2.7	2.7
solar collector coil power (70/10/45°C)		kW	57.6	64.8	64.8
heating capacity		l/h	1380	1580	1580
solar collector coil power (80/10/45°C)		kW	76.8	86.4	86.4
heating capacity		l/h	1840	2110	2110
surface of the CH coil		m²	1.2	1.5	1.5
CH coil power (70/10/45°C)		kW	28.8	36	36
heating capacity		l/h	690	880	880
CH coil power (80/10/45°C)		kW	38.4	48	48
heating capacity		l/h	920	1150	1150
demand for heating water from CH boiler		m³/h	4.0	4.5	4.5
magnesium anode	upper bottom plug 2" [6]	mm	38x600	38x600	38x600
	insp. hole, screw M8	mm	38x400	38x400	38x400
h1 – cold water inflow – Ø 1"		mm	350	370	370
h2 – water outflow to solar coil – Ø 1"		mm	430	450	450
h3 – sensor cover I – Ø 3/8"		mm	650	600	600
h4 – circulation – Ø 3/4"		mm	910	750	750
h5 – hot water inflow from solar collectors – Ø 1"		mm	1030	1000	1000
h6 – CH water outflow – Ø 1"		mm	1180	1100	1100
h7 – sensor cover II – Ø 3/8"		mm	1330	1250	1250
h8 – CH hot water inflow – Ø 1"		mm	1480	1400	1400
h9 – domestic hot water outflow – Ø 1"		mm	1770	1590	2270
L – height		mm	2050/2080 [5]	1960/1990 [5]	2650/2680 [5]
d – internal diameter		mm	700	900	900
D – external diameter		mm	855/900 [5]	1055/1100 [5]	1055/1100 [5]
net weight		kg	296	475	580

[2] Not included in the basic price.
[3] Tank volume without coils.
[4] Since 1 August 2013 the magnesium anode plug has had a size of 5/4". Before that date the magnesium anode plug had a size of 2".
[5] In a detachable soft polyurethane foam 100 mm.
[6] Since 1 August 2013 for 500 l tanks the magnesium anode plug has had a size of 5/4".