

# BUFFERS, NON-ENAMELLED VESSELS WITH ONE OR TWO SPIRAL COILS - TYPE SG(B)

Technical specification - SG(B) with one spiral coil

specification	unit	SG(B) with one spiral coil							
		200	300	400	500	800	1000	1500	2000
storage capacity <sup>1</sup>	l	212	311	372	444	702	853	1444	1985
ErP  polyurethane foam	-	B	B	C	C	-	-	-	-
ErP  Neodul®	-	-	-	-	-	C	C	C	C
tank's maximum working pressure	MPa	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3
coil's maximum working pressure	MPa	0,6	0,6	0,6	0,6	0,6	0,6	0,6	0,6
tank's maximum working temperature	°C	95	95	95	95	95	95	95	95
coil's maximum working temperature	°C	110	110	110	110	110	110	110	110
coil's surface	m <sup>2</sup>	1,4	1,4	1,8	2,5	3	3,5	4	4,5
coil's capacity	l	9,8	9,8	12,6	17,5	20,9	24,4	28,0	31,5
h1 - CH boiler water inflow (int. thread)	"/ mm	6/4/220	6/4/220	6/4/250	6/4/250	6/4/250	6/4/250	6/4/330	6/4/385
h2 - CH water outflow (int. thread)	"/ mm	1/220	1/220	1/250	1/250	1/250	1/250	1/330	1/385
h3 - CH boiler water inflow (int. thread)	"/ mm	6/4/220	6/4/220	6/4/250	6/4/250	6/4/250	6/4/250	6/4/330	6/4/385
h4 - CH boiler water inflow (int. thread)	"/ mm	-	6/4/410	6/4/445	6/4/485	6/4/435	6/4/500	6/4/705	6/4/660
h5 - sleeve for the sensor cover I (Ø)	"/ mm	1/2/315	1/2/500	1/2/565	1/2/645	1/2/570	1/2/570	1/2/915	1/2/800
h6 - CH boiler water inflow (int. thread)	"/ mm	6/4/485	6/4/600	6/4/635	6/4/715	6/4/620	6/4/740	6/4/1015	6/4/930
h7 - CH boiler water inflow (int. thread)	"/ mm	6/4/555	6/4/785	6/4/825	6/4/945	6/4/820	6/4/980	6/4/1325	6/4/1205
h8 - CH hot water inflow (int. thread)	"/ mm	1/690	1/690	1/850	1/1050	1/900	1/1100	1/1230	1/1285
h9 - sleeve for the sensor cover II (Ø, 200 l) or CH boiler water inflow (int. thread, 300-2000 l)	"/ mm	1/2/605	6/4/975	6/4/1015	6/4/1180	6/4/1020	6/4/1240	6/4/1640	6/4/1480
h10 - sleeve for the sensor cover II (Ø)	"/ mm	-	1/2/975	1/2/1015	1/2/1180	1/2/1020	1/2/1240	1/2/1640	1/2/1480
h11 - CH boiler water inflow (int. thread)	"/ mm	6/4/785	6/4/1165	6/4/1210	6/4/1410	6/4/1215	6/4/1485	6/4/1950	6/4/1755
h12 - CH boiler water inflow (int. thread)	"/ mm	6/4/885	6/4/1355	6/4/1400	6/4/1640	6/4/1410	6/4/1730	6/4/2260	6/4/2025
h13 - sleeve for the sensor cover III (Ø)	"/ mm	1/2/885	1/2/1355	1/2/1400	1/2/1640	1/2/1410	1/2/1730	1/2/2260	1/2/2025
d - internal diameter	mm	550	550	600	600	790	790	900	1100
D - external diameter	mm	670	670	700	700	950	950	1100	1300
L - height	mm	1140	1615	1660	1925	1730	2050	2700	2500
height when tilted	mm	-	-	-	-	1995	2270	2920	2820
net weight (without insulation, with one spiral coil)	kg	78	97	131	149	167	208	242	302

Technical specification - SG(B) with two spiral coils

specification	unit	SG(B) with two spiral coils					
		400	500	800	1000	1500	2000
storage capacity <sup>1</sup>	l	361	433	688	835	1421	1960
ErP  polyurethane foam	-	C	C	-	-	-	-
ErP  Neodul®	-	-	-	C	C	C	C
tank's maximum working pressure	MPa	0,3	0,3	0,3	0,3	0,3	0,3
coil's maximum working pressure	MPa	0,6	0,6	0,6	0,6	0,6	0,6
tank's maximum working temperature	°C	95	95	95	95	95	95
coil's maximum working temperature	°C	110	110	110	110	110	110
coil's surface I	m <sup>2</sup>	1,8	2,5	3,0	3,5	4,0	4,5
coil's capacity I	l	12,6	17,5	20,9	24,4	28,0	31,5
coil's surface II	m <sup>2</sup>	1,4	1,4	1,8	2,1	2,5	2,7
coil's capacity II	l	9,8	9,8	12,6	14,7	17,5	18,9
h1 - CH boiler water inflow (int. thread)	"/ mm	6/4/250	6/4/250	6/4/250	6/4/250	6/4/330	6/4/385
h2 - CH water outflow I (int. thread)	"/ mm	1/250	1/250	1/250	1/250	1/330	1/385
h3 - CH boiler water inflow (int. thread)	"/ mm	6/4/250	6/4/250	6/4/250	6/4/250	6/4/330	6/4/385
h4 - CH boiler water inflow (int. thread)	"/ mm	6/4/445	6/4/485	6/4/435	6/4/500	6/4/705	6/4/660
h5 - sleeve for the sensor cover I (Ø)	"/ mm	1/2/565	1/2/645	1/2/570	1/2/570	1/2/915	1/2/800
h6 - CH boiler water inflow (int. thread)	"/ mm	6/4/635	6/4/715	6/4/620	6/4/740	6/4/1015	6/4/930
h7 - CH boiler water inflow (int. thread)	"/ mm	6/4/825	6/4/945	6/4/820	6/4/980	6/4/1325	6/4/1205
h8 - CH hot water inflow I (int. thread)	"/ mm	1/850	1/1050	1/900	1/1100	1/1230	1/1285
h9 - CH water outflow II (int. thread)	"/ mm	1/1010	1/1150	1/1000	1/1200	1/1565	1/1415
h10 - CH boiler water inflow (int. thread)	"/ mm	6/4/1015	6/4/1180	6/4/1020	6/4/1240	6/4/1640	6/4/1480
h11 - sleeve for the sensor cover II (Ø)	"/ mm	1/2/1150	1/2/1300	1/2/1150	1/2/1350	1/2/1715	1/2/1565
h12 - CH boiler water inflow (int. thread)	"/ mm	6/4/1210	6/4/1410	6/4/1215	6/4/1485	6/4/1950	6/4/1755
h13 - sleeve for the sensor cover III (Ø)	"/ mm	1/2/1410	1/2/1550	1/2/1320	1/2/1640	1/2/2110	1/2/1885
h14 - CH boiler water inflow (int. thread)	"/ mm	6/4/1410	6/4/1640	6/4/1410	6/4/1730	6/4/2260	6/4/2025
h15 - CH hot water inflow II (int. thread)	"/ mm	1/1420	1/1650	1/1420	1/1740	1/2260	1/2035
d - internal diameter	mm	600	600	790	790	900	1100
D - external diameter	mm	700	700	950	950	1100	1300
L - height	mm	1685	1925	1730	2050	2700	2500
height when tilted	mm	-	-	1995	2270	2920	2820
net weight (without insulation, with two spiral coils)	kg	145	177	200	238	275	350

Buffer types 200-500 are equipped with adjustable feet; all types above 800 are placed on a ring.

<sup>1</sup> For type 2000 water drain 5/4".  
<sup>2</sup> According to the (EU) 812/2013, 814/2013.  
<sup>3</sup> Included with the device for self-assembly.

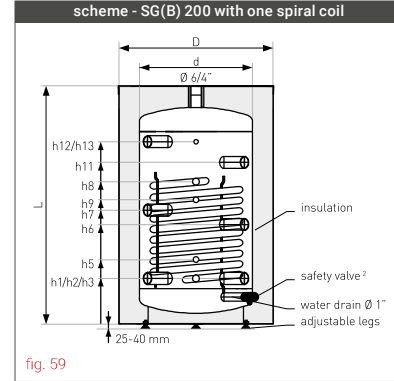


fig. 59

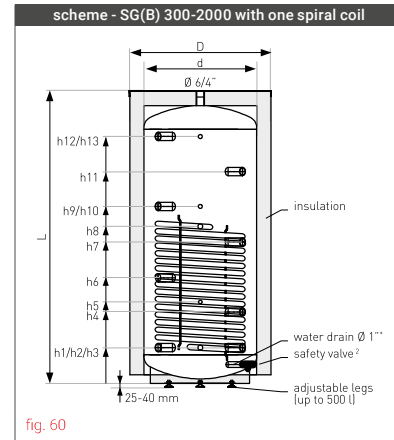


fig. 60

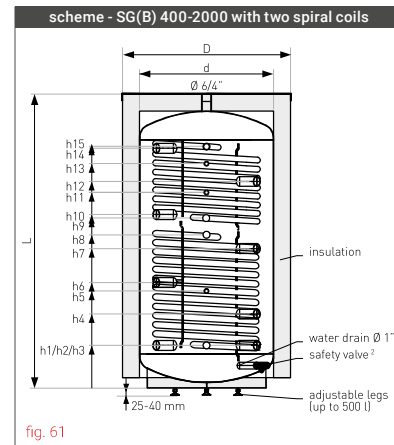


fig. 61

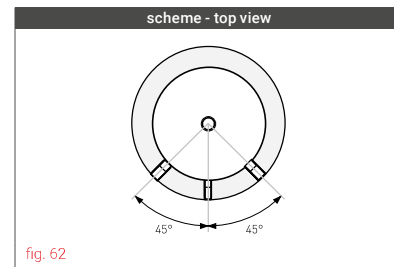
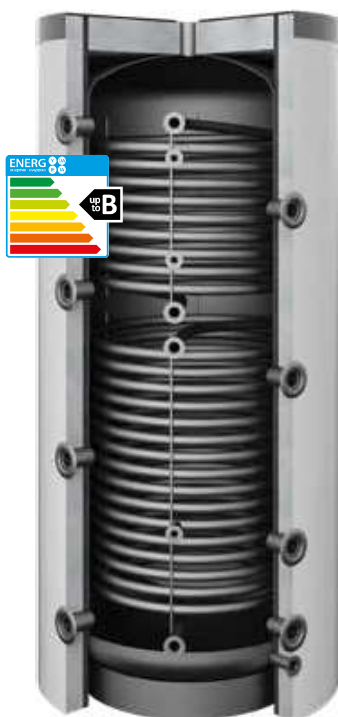


fig. 62



pic. 42  
SG(B) 1000 with two spiral coils  
in Neodul® insulation



pic. 43  
installation of the detachable  
Neodul® insulation

## SG(B)

cat. no.	type	description	EAN code
71-200000	200		5901224707605
71-300000N	300		5901224316715
71-400000	400	spiral coil, polyurethane foam, artificial leather, non-enamelled	5901224708602
71-500000	500		5901224709388
71-800600	800		5901224716072
71-100600	1000	spiral coil, detachable Neodul® insulation, artificial leather, non-enamelled	5901224710148
71-150600	1500		5901224716539
81-200600	2000		5901224711831
72-400000	400	two spiral coils, polyurethane foam, artificial leather, non-enamelled	5901224719462
72-500000	500		5901224721779
72-800600	800		5901224721595
72-100600	1000	two spiral coils, detachable Neodul® insulation, artificial leather, non-enamelled	5901224718557
72-150600	1500		5901224725111
82-200600	2000		5901224723124

## Advantages of the SG(B)

- ▶ Water tank (buffer) for de-mineralised boiler water or glycol solution.
- ▶ Heat supply from several independent sources of heat (f.ex. CH boiler, heat pump, fireplace).
- ▶ Buffer tanks are insulated with:
  - hard polyurethane foam (type 200-500) or
  - detachable Neodul® insulation (type 800-2000) or
  - without insulation secured only with corrosion protection paint (basic version).
- ▶ Tanks made to individual order - in case of a different configuration all the technical details (capacity, number, position and diameter of connections, etc.) are agreed upon with the technical department when a quote for the tank is being prepared.
- ▶ Tank's maximum working pressure - 0,3 MPa (0,6 MPa on special order); 0,6 MPa for the spiral coil
- ▶ All connections are located on the front of the tank.

### It is possible to order the SG(B) buffers:

- **with a storage capacity of 1000 l** (spiral coil, detachable Neodul® insulation, artificial leather, non-enamelled, height approx. 2300 mm, int./ext. diameter 990/790 mm), cat. no. 71-100600N.
- **without insulation 200-2000** (spiral coil, non-enamelled).



We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 52.

\* Details in the warranty card.

In case of 1000 (only Slim and SG(K) Multi-Inox versions), 1500 and 2000 tanks the Neodul® insulation is delivered in separate packaging together with the tank. In other cases, the insulation is mounted directly on the tank.