



# PRODUCT CATALOGUE

- WATER HEATERS · HEAT PUMPS
- SOLAR SYSTEMS · CH BOILERS
- HYBRID HEATING SYSTEMS

10/2021



# Leader in heating systems production in Poland



Galmet is one of the largest manufacturers of heating systems in Poland and exports its products to over 25 countries worldwide. The company is dynamically developing and consistently building its position since 1982 - from a small one-person workshop founded by the current CEO Stanislaw Galara, to one of the largest companies in the industry, employing over 700 people. Galmet is always at the forefront of innovation, creating Polish, technologically advanced, and eco-friendly heating systems for private households, public buildings, and industrial facilities. Available in multiple configurations, the heating systems guarantee maximum reliability, functionality, and efficiency.

All our products can be configured into highly efficient hybrid heating systems.



# TABLE OF CONTENTS

## WATER HEATERS

|  |    |
|--|----|
| – Indirect water heaters with a spiral coil - type SGW(S) Neptun <sup>2</sup> Kombi 80-140                                   | 6  |
| – Indirect water heaters with a spiral coil - type SGW(S) Mini Tower 100-140, SGW(S) Vulcan Kombi 100-200                    | 8  |
| – Water heaters for gas boilers - type SGW(S) Rondo Premium 120-140, SG(S) Fusion 100  | 10 |
| – Indirect water heaters with a spiral coil - type SGW(S) Tower, SGW(S)B Tower Biwal 200-300 (ErP A)                         | 12 |
| – Indirect water heaters with a spiral coil - type SGW(S) Tower, Big Tower 200-1500  | 14 |
| – Indirect water heaters with a spiral coil - type SGW(S) Tower Slim 200-1000  | 16 |
| – Indirect water heaters with two spiral coils - type SGW(S)B Tower Biwal 200-1500   | 18 |
| – Indirect water heaters with two spiral coils - type SGW(S)B Tower Biwal Slim 200-1000                                      | 20 |
| – Indirect water heaters with large spiral coil for heat pumps - type SGW(S) Tower Grand 160-500                             | 22 |
| – Indirect water heaters with the maximum size spiral coil for heat pumps type SGW(S) Maximus 300, SGW(S) Maxi 250-1000      | 24 |
| – Indirect water heaters with two maximum size spiral coils for heat pumps type SGW(S)B Maxi Plus 300-1000                   | 26 |
| – Indirect water heaters with two and three spiral coils - type SGW(S)B Tower Biwal Max 200-500, SGW(S)M Tower Multi 300-500 | 28 |
| – Combined heat accumulation vessels - type SG(K) Kumulo 300/80-1000/200   | 30 |
| – Combined heat accumulation vessels for heat pumps: indirect water heater + CH buffer - type SG(K) Complete 250/135         | 32 |
| – Hygienic stratification buffer tanks with a spiral coil - type SG(K) Multi-Inox 600-2000                                   | 34 |
| – Buffer tanks for heating and cooling - type SG(B) 40-140 (wall-mounted), SG(B) 100-500                                     | 36 |
| – Buffer tanks for heat pumps with the maximum size spiral coil - type SG(B) 200-500   | 38 |
| – Buffer tanks for heat pumps with the maximum size spiral coil - type SG(B) 800-1000  | 40 |
| – Tinned copper coils for buffer tanks   | 40 |
| – Buffer tanks for heat pumps with two maximum size spiral coils - type SG(B) 800-1000                                       | 42 |
| – Buffers, non-enamelled vessels without spiral coils - type SG(B) 200-5000  | 44 |
| – Buffers, non-enamelled vessels with one or two spiral coils - type SG(B) 200-2000  | 46 |
| – DHW tanks without spiral coils - type SG(S) Tower Acu 100-500  | 48 |
| – DHW tanks without spiral coils - type SG(S) Tower Acu 700-3000   | 50 |
| – Electrical sets  | 52 |
| – Custom-made water heaters; available colours   | 54 |
| – Accessories and spare parts  | 55 |

## HEAT PUMPS

|  |    |
|--|----|
| – Basic 200-270: air-source heat pump water heater for DHW                         | 58 |
| – Maxima Compact 7-12GT: ground-water heat pump with water tank for CH and DHW     | 59 |
| – Maxima 7-16GT: ground-water heat pump for CH and DHW                             | 60 |
| – Maxima 20-42GT: high temperature ground-water heat pump for CH and DHW           | 61 |
| – Airmax <sup>2</sup> 6-15GT: air-water heat pump for CH and DHW                   | 62 |
| – Airmax <sup>2</sup> 16-30GT: high temperature air-water heat pump for CH and DHW | 63 |
| – Accessories and spare parts  | 64 |

## SOLAR SYSTEMS

|   |    |
|---|----|
| – Flat solar collectors - type KSG Premium GT (copper) and KSG GT (aluminium)                 | 68 |
| – Complete solar systems with copper solar collectors and an indirect water heater for DHW    | 69 |
| – Complete solar systems with aluminium solar collectors and an indirect water heater for DHW | 72 |
| – Accessories and spare parts   | 74 |

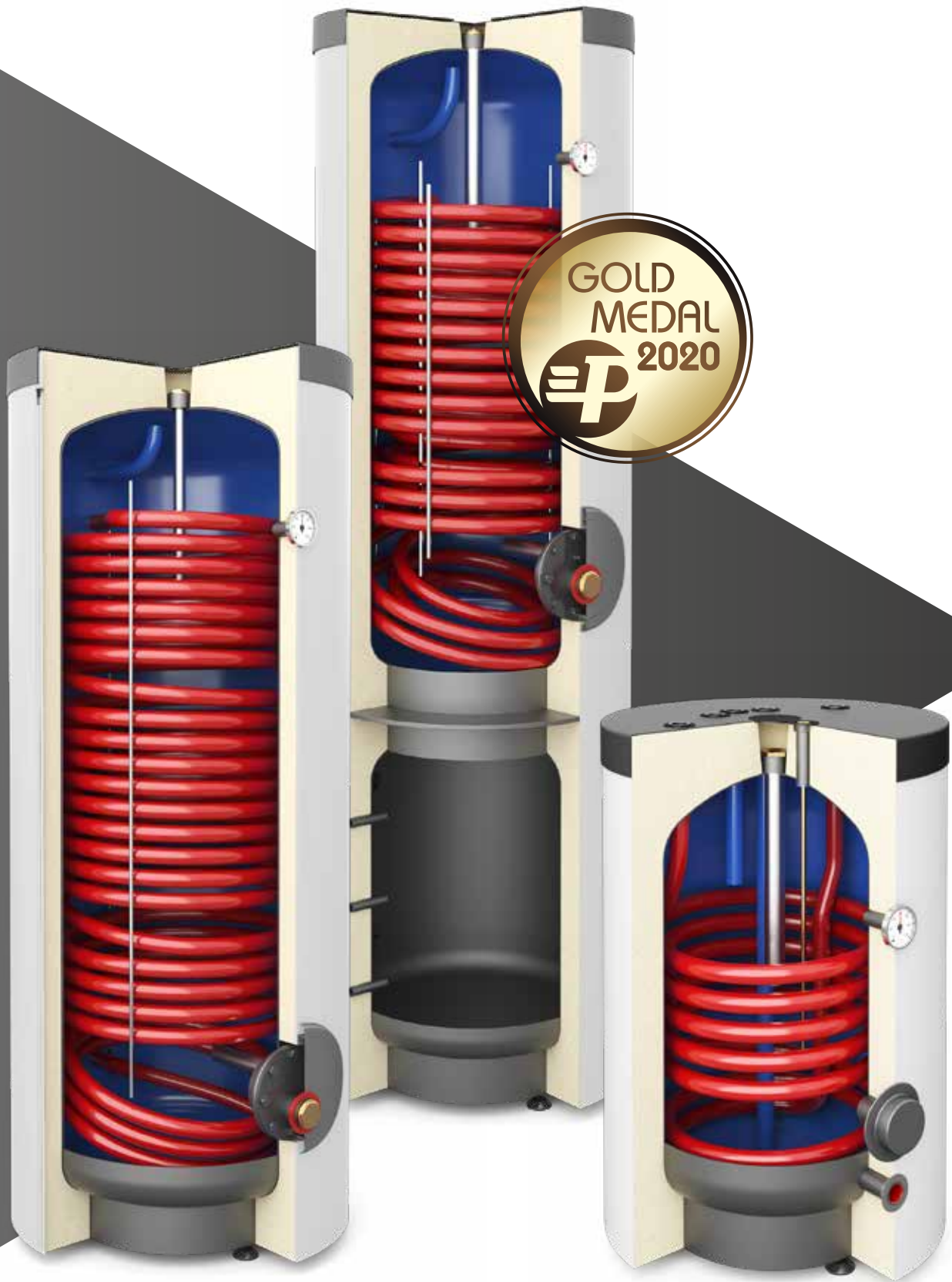
## CH PELLET BOILERS

|   |    |
|---|----|
| – Genesis Plus KPP: pellet boiler (class 5) | 78 |
| – Accessories and spare parts               | 80 |

## HYBRID HEATING SYSTEMS

|  |    |
|--|----|
| – Advantages of the hybrid heating systems             | 84 |
| – Exemplary schemes of Galmet's hybrid heating systems | 85 |
| – Complete list of Galmet's hybrid heating systems     | 91 |

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# WATER HEATERS

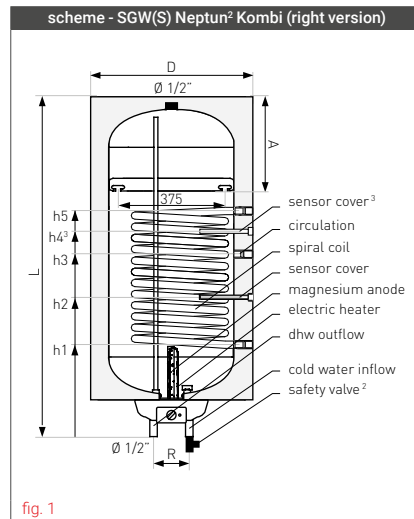
|  |    |
|--|----|
| – Indirect water heaters with a spiral coil - type SGW(S) Neptun <sup>2</sup> Kombi 80-140                                   | 6  |
| – Indirect water heaters with a spiral coil - type SGW(S) Mini Tower 100-140, SGW(S) Vulcan Kombi 100-200                    | 8  |
| – Water heaters for gas boilers - type SGW(S) Rondo Premium 120-140, SG(S) Fusion 100  | 10 |
| – Indirect water heaters with a spiral coil - type SGW(S) Tower, SGW(S)B Tower Biwal 200-300 (ErP A)                         | 12 |
| – Indirect water heaters with a spiral coil - type SGW(S) Tower, Big Tower 200-1500  | 14 |
| – Indirect water heaters with a spiral coil - type SGW(S) Tower Slim 200-1000  | 16 |
| – Indirect water heaters with two spiral coils - type SGW(S)B Tower Biwal 200-1500   | 18 |
| – Indirect water heaters with two spiral coils - type SGW(S)B Tower Biwal Slim 200-1000                                      | 20 |
| – Indirect water heaters with large spiral coil for heat pumps - type SGW(S) Tower Grand 160-500                             | 22 |
| – Indirect water heaters with the maximum size spiral coil for heat pumps<br>type SGW(S) Maximus 300, SGW(S) Maxi 250-1000   | 24 |
| – Indirect water heaters with two maximum size spiral coils for heat pumps<br>type SGW(S)B Maxi Plus 300-1000                | 26 |
| – Indirect water heaters with two and three spiral coils - type SGW(S)B Tower Biwal Max 200-500, SGW(S)M Tower Multi 300-500 | 28 |
| – Combined heat accumulation vessels - type SG(K) Kumulo 300/80-1000/200   | 30 |
| – Combined heat accumulation vessel for heat pumps: indirect water heater + CH buffer - type SG(K) Complete 250/135          | 32 |
| – Hygienic stratification buffer tanks with a spiral coil - type SG(K) Multi-Inox 600-2000                                   | 34 |
| – Buffer tanks for heating and cooling - type SG(B) 40-140 (wall-mounted), SG(B) 100-500                                     | 36 |
| – Buffer tanks for heat pumps with the maximum size spiral coil - type SG(B) 200-500   | 38 |
| – Buffer tanks for heat pumps with the maximum size spiral coil - type SG(B) 800-1000  | 40 |
| – Tinned copper coils for buffer tanks   | 40 |
| – Buffer tanks for heat pumps with two maximum size spiral coils - type SG(B) 800-1000                                       | 42 |
| – Buffers, non-enamelled vessels without spiral coils - type SG(B) 200-5000  | 44 |
| – Buffers, non-enamelled vessels with one or two spiral coils - type SG(B) 200-2000  | 46 |
| – DHW tanks without spiral coils - type SG(S) Tower Acu 100-500  | 48 |
| – DHW tanks without spiral coils - type SG(S) Tower Acu 700-3000   | 50 |
| – Electrical sets  | 52 |
| – Custom-made water heaters; available colours   | 54 |
| – Accessories and spare parts  | 55 |

# INDIRECT WATER HEATERS WITH A SPIRAL COIL

## TYPE SGW(S) NEPTUN<sup>2</sup> KOMBI

Technical specification - SGW(S) Neptun<sup>2</sup> Kombi (wall-mounted)

| specification                           | unit              | SGW(S) Neptun <sup>2</sup> Kombi |           |           |           |
|---|-------------------|----------------------------------|-----------|-----------|-----------|
|   |                   | 80                               | 100       | 120       | 140       |
| storage capacity <sup>1</sup>           | l                 | 82                               | 102       | 112       | 130       |
| load profile <sup>1</sup>               | -                 | M                                | M         | L         | L         |
| ErP  polyurethane foam                  | -                 | C                                | C         | C         | C         |
| tank's maximum working pressure         | MPa               | 0,6                              | 0,6       | 0,6       | 0,6       |
| coil's maximum working pressure         | MPa               | 1,6                              | 1,6       | 1,6       | 1,6       |
| tank's maximum working temperature      | °C                | 95                               | 95        | 95        | 95        |
| coil's maximum working temperature      | °C                | 110                              | 110       | 110       | 110       |
| coil's surface                          | m <sup>2</sup>    | 0,6                              | 0,6       | 0,95      | 0,95      |
| coil's capacity                         | l                 | 2,6                              | 2,6       | 4,1       | 4,1       |
| coil's power (70/10/45°C)               | kW                | 16                               | 16        | 23        | 23        |
| coil's efficiency (70/10/45°C)          | l/h               | 390                              | 390       | 560       | 560       |
| coil's power (80/10/45°C)               | kW                | 21,1                             | 21,1      | 30,4      | 30,4      |
| coil's efficiency (80/10/45°C)          | l/h               | 510                              | 510       | 740       | 740       |
| electric heater power                   | kW                | 1,5                              | 1,5       | 2,0       | 2,0       |
| range of working temperatures           | °C                | Elektronik 5-75 (8-77 manual)    |           |           |           |
| est. time to warm up the water to 40°C  | h                 | 1,6                              | 2,0       | 1,9       | 2,2       |
| demand for heating water from CH boiler | m <sup>3</sup> /h | 2,5                              | 2,5       | 2,5       | 2,6       |
| magnesium anode bottom cover (M8 screw) | mm                | 25x390                           | 25x390    | 25x390    | 25x390    |
| h1 - CH water outflow (int. thread)     | " / mm            | 3/4 / 250                        | 3/4 / 250 | 3/4 / 250 | 3/4 / 250 |
| h2 - sensor cover (Ø)                   | " / mm            | 3/8 / 375                        | 3/8 / 375 | -         | -         |
| h3 - circulation (int. thread)          | " / mm            | 3/4 / 480                        | 3/4 / 480 | 3/4 / 480 | 3/4 / 480 |
| h4 - sensor cover (Ø)                   | " / mm            | -                                | -         | 3/8 / 535 | 3/8 / 535 |
| h5 - CH hot water inflow (int. thread)  | " / mm            | 3/4 / 650                        | 3/4 / 650 | 3/4 / 750 | 3/4 / 750 |
| D - external diameter                   | mm                | 480                              | 480       | 480       | 480       |
| L - height                              | mm                | 920                              | 1080      | 1200      | 1340      |
| R - spacing                             | mm                | 100                              | 100       | 100       | 100       |
| dimension A                             | mm                | 185                              | 185       | 185       | 185       |
| net weight                              | kg                | 50                               | 57        | 64        | 71        |



<sup>1</sup> According to the (EU) 812/2013, 814/2013.

<sup>2</sup> Included with the device for self-assembly.

<sup>3</sup> Applies to SGW(S) Neptun<sup>2</sup> Kombi 120-140.



pic. 1  
SGW(S) Neptun² Kombi (left version)



pic. 2  
Neptun² Elektronik  
controller

## SGW(S) Neptun² Kombi (wall-mounted)

| cat. no.  | type | description   | EAN code      |
|-----------|------|---|---------------|
| 06-084670 | 80   |   | 5901224413339 |
| 06-104670 | 100  | spiral coil, polyurethane foam, metal casing, electric heater, EXTRA GLASS® | 5901224413353 |
| 06-124670 | 120  | ceramic enamel, magnesium anode (right version)                             | 5901224413391 |
| 06-144670 | 140  |   | 5901224413483 |
| 06-084671 | 80   |   | 5901224413346 |
| 06-104671 | 100  | spiral coil, polyurethane foam, metal casing, electric heater, EXTRA GLASS® | 5901224413360 |
| 06-124671 | 120  | ceramic enamel, magnesium anode (left version)                              | 5901224413452 |
| 06-144671 | 140  |   | 5901224413490 |

**Ability to order the SGW(S) Neptun² Kombi water heater with Elektronik controller** (spiral coil, polyurethane foam, metal casing, electric heater, EXTRA GLASS® ceramic enamel, magnesium anode) - cat. no. ends in 770 (right version) or 771 (left version), f.ex. 06-084770.

### Advantages of the SGW(S) Neptun² Kombi

- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Electric heater + thermostat with smooth temperature control as standard.
- ▶ Possibility to order the water heater an electronic LED display - option.
- ▶ All connections on the right or left side.
- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



Thanks to the **RESIST-TECH®** technology, the service life of the electric water heaters is increased by up to 50%. How? By compensating electromagnetic potentials between the magnesium anode and an electric heater.

\* Details in the warranty card.

# INDIRECT WATER HEATERS WITH A SPIRAL COIL

## TYPE SGW(S) MINI TOWER, VULCAN KOMBI

Technical specification - SGW(S) Mini Tower (free-standing)

| specification                           | unit              | SGW(S) Mini Tower |           |            |
|---|-------------------|-------------------|-----------|------------|
|   |                   | 100               | 120       | 140        |
| storage capacity <sup>1</sup>           | l                 | 102               | 114       | 129        |
| ErP                                     | polystyrene foam  | -                 | C         | C          |
|   | polyurethane foam | -                 | B         | B          |
| tank's maximum working pressure         | MPa               | 0,6               | 0,6       | 0,6        |
| coil's maximum working pressure         | MPa               | 1,6               | 1,6       | 1,6        |
| tank's maximum working temperature      | °C                | 95                | 95        | 95         |
| coil's maximum working temperature      | °C                | 110               | 110       | 110        |
| coil's surface                          | m <sup>2</sup>    | 0,6               | 0,95      | 0,95       |
| coil's capacity                         | l                 | 2,6               | 4,1       | 4,1        |
| coil's power (70/10/45°C)               | kW                | 16                | 23        | 23         |
| coil's efficiency (70/10/45°C)          | l/h               | 390               | 560       | 560        |
| coil's power (80/10/45°C)               | kW                | 21,1              | 30,4      | 30,4       |
| coil's efficiency (80/10/45°C)          | l/h               | 510               | 740       | 740        |
| demand for heating water from CH boiler | m <sup>3</sup> /h | 2,5               | 2,5       | 2,6        |
| magnesium anode top cover (5/4" plug)   | mm                | 25x390            | 25x390    | 25x390     |
| h1 - cold water inflow (int. thread)    | " / mm            | 3/4 / 210         | 3/4 / 165 | 3/4 / 165  |
| h2 - CH water outflow (int. thread)     | " / mm            | 3/4 / 310         | 3/4 / 250 | 3/4 / 250  |
| h3 - sensor cover (Ø)                   | " / mm            | 3/8 / 400         | -         | -          |
| h4 - circulation (int. thread)          | " / mm            | 3/4 / 500         | 3/4 / 450 | 3/4 / 450  |
| h5 - sensor cover (Ø)                   | " / mm            | -                 | 3/8 / 535 | 3/8 / 535  |
| h6 - CH hot water inflow (int. thread)  | " / mm            | 3/4 / 710         | 3/4 / 750 | 3/4 / 750  |
| h7 - DHW outflow (int. thread)          | " / mm            | 3/4 / 790         | 3/4 / 920 | 3/4 / 1070 |
| D - external diameter                   | mm                | 518               | 518       | 518        |
| L - height                              | mm                | 1040              | 1150      | 1290       |
| net weight                              | kg                | 52                | 57        | 62         |

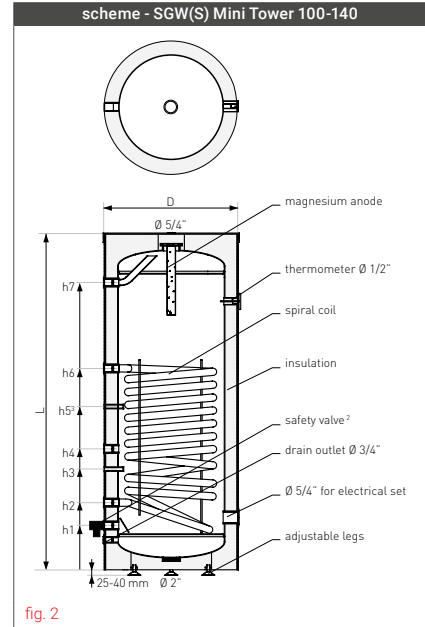


fig. 2

Technical specification - SGW(S) Vulcan Kombi (free-standing) and SGW(S) Vulcan Kombi (wall-mounted)

| specification                                       | unit              | SGW(S) Vulcan Kombi           |         |         |         |
|---|-------------------|-------------------------------|---------|---------|---------|
|   |                   | 100                           | 120     | 140     | 200     |
| storage capacity <sup>1</sup>                       | l                 | 101                           | 113     | 140     | 194     |
| ErP   | polyurethane foam | -                             | C       | C       | C       |
|   |                   | -                             | C       | C       | C       |
| tank's maximum working pressure                     | MPa               | 0,6                           | 0,6     | 0,6     | 0,6     |
| coil's maximum working pressure                     | MPa               | 1,6                           | 1,6     | 1,6     | 1,6     |
| tank's maximum working temperature                  | °C                | 95                            | 95      | 95      | 95      |
| coil's maximum working temperature                  | °C                | 110                           | 110     | 110     | 110     |
| coil's surface                                      | m <sup>2</sup>    | 1,2                           | 1,2     | 1,2     | 1,6     |
| coil's capacity                                     | l                 | 5,2                           | 5,2     | 5,2     | 11,2    |
| coil's power (70/10/45°C)                           | kW                | 29                            | 29      | 29      | 39      |
| coil's efficiency (70/10/45°C)                      | l/h               | 700                           | 700     | 700     | 950     |
| electric heater power <sup>5</sup>                  | kW                | 1,5                           | 2,0     | 2,0     | -       |
| range of working temperatures <sup>5</sup>          | °C                | Elektronik 5-75 (8-77 manual) |         |         | -       |
| est. time to warm up the water to 40°C <sup>5</sup> | h                 | 2,0                           | 1,9     | 2,2     | -       |
| demand for heating water from CH boiler             | m <sup>3</sup> /h | 2,5                           | 2,5     | 2,5     | 2,6     |
| magnesium anode top cover (5/4" plug) <sup>6</sup>  | mm                | 26x550                        | 26x550  | 26x550  | 38x400  |
| L - height  | mm                | 1050                          | 1150    | 1300    | 1190    |
| D - width x depth                                   | mm                | 455x455                       | 455x455 | 455x455 | 650x650 |
| A - system water (ext. thread)                      | "                 | 3/4                           | 3/4     | 3/4     | 1       |
| B - coil connections (ext. thread)                  | "                 | 3/4                           | 3/4     | 3/4     | 1       |
| R - spacing   | mm                | 280                           | 280     | 280     | 380     |
| net weight  | kg                | 57                            | 62      | 67      | 94      |

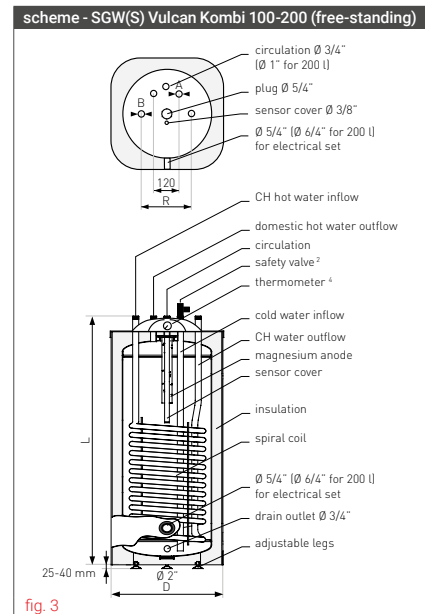


fig. 3

<sup>1</sup> According to the (EU) 812/2013, 814/2013.

<sup>2</sup> Included with the device for self-assembly.

<sup>3</sup> Applies to SGW(S) Mini Tower 120-140.

<sup>4</sup> In type 200 water heaters the thermometer is located on the heater's housing.

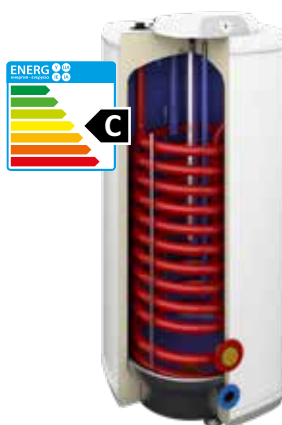
<sup>5</sup> Applies to SGW(S) Vulcan Kombi with electric heater (wall-mounted).

<sup>6</sup> In the SGW(S) Vulcan Kombi (wall-mounted) the magnesium anode is mounted on a M8 screw in the lower part of the tank.





pic. 3  
SGW(S) Mini Tower



pic. 4  
SGW(S) Vulcan Kombi  
(free-standing) 100-140



pic. 5  
SGW(S) Vulcan Kombi  
(wall-mounted) 100-140

## SGW(S) Mini Tower (free-standing)

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 26-104000 | 100  |  | 5901224400117 |
| 26-124000 | 120  | spiral coil, polystyrene foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode  | 5901224400124 |
| 26-144000 | 140  |  | 5901224400131 |
| 26-108000 | 100  |  | 5901224409066 |
| 26-128000 | 120  | spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224408762 |
| 26-148000 | 140  |  | 5901224408335 |

## Advantages of the SGW(S) Mini Tower

- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.

## SGW(S) Vulcan Kombi (free-standing)

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 26-105500 | 100  |  | 5901224400612 |
| 26-125500 | 120  | spiral coil, polyurethane foam, metal casing, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224400629 |
| 26-145500 | 140  |  | 5901224400636 |
| 26-205500 | 200  |  | 5901224503870 |

## SGW(S) Vulcan Kombi (wall-mounted)

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 26-105600 | 100  |  | 5901224400711 |
| 26-125600 | 120  | spiral coil, polyurethane foam, metal casing, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224400728 |
| 26-145600 | 140  |  | 5901224400735 |

## Advantages of the SGW(S) Vulcan Kombi

- ▶ Wall-mounted or free-standing.
- ▶ All connections in either the top or the bottom cover.
- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.

## Electric heaters for the SGW(S) Vulcan Kombi

| cat. no.  | description  | EAN code      |
|-----------|--|---------------|
| 40-130607 | electric heater 2 kW, 230 V 230 V for enamelled water heater on the Ø 125 mm flange / 5 screws (steel cover), manufactured before 10.2017 - for the wall-hanging version | 5901224820687 |
| 40-130609 | electric heater 2 kW 230 V for enamelled water heater on the Ø 125 mm flange / 5 screws (steel cover) manufactured after 10.2017 - for the wall-hanging version          | 5901224828034 |
| 40-140432 | heater control module SGW(S) Vulcan Kombi Elektronik 230 V - for the wall-hanging version  | 5901224819339 |
| 41-020002 | electrical set Selfa with heater 2 kW 230 V - K5/4* - for the free-standing version  | 5901224832710 |



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

\* Details in the warranty card.

# WATER HEATERS FOR GAS BOILERS

## TYPE SGW(S) RONDO PREMIUM, SG(S) FUSION

### Technical specification - SGW(S) Rondo Premium

| specification  | unit           | Rondo Premium |        |
|--|----------------|---------------|--------|
|  |                | 120           | 140    |
| storage capacity <sup>1</sup>                        | l              | 123           | 139    |
| ErP  polyurethane foam                               | -              | A             | A      |
| tank's maximum working pressure                      | MPa            | 1,0           | 1,0    |
| coil's maximum working pressure                      | MPa            | 1,6           | 1,6    |
| tank's maximum working temperature                   | °C             | 95            | 95     |
| coil's maximum working temperature                   | °C             | 110           | 110    |
| coil's surface                                       | m <sup>2</sup> | 1,2           | 1,2    |
| coil's capacity                                      | l              | 8             | 8      |
| coil's power (70/10/45°C)                            | kW             | 29            | 29     |
| coil's efficiency (70/10/45°C)                       | l/h            | 700           | 700    |
| magnesium anode top cover (5/4" plug)                | mm             | 38x400        | 38x400 |
| cold water inflow (int. thread)                      | "              | 1             | 1      |
| DHW outflow (int. thread)                            | "              | 1             | 1      |
| circulation (int. thread)                            | "              | 1             | 1      |
| CH hot water inflow / CH water outflow (int. thread) | "              | 1             | 1      |
| connection for an electrical set GE (int. thread)    | "              | 5/4           | 5/4    |
| sensor cover (Ø)                                     | "              | 1/2           | 1/2    |
| thermometer (int. thread)                            | "              | 1/2           | 1/2    |
| water drain (int. thread)                            | "              | 1             | 1      |
| d - internal diameter                                | mm             | 550           | 550    |
| D - external diameter                                | mm             | 660           | 660    |
| L - height   | mm             | 910           | 1005   |
| R - spacing  | mm             | 370           | 370    |
| dimension A  | mm             | 80            | 80     |
| dimension B  | mm             | 120           | 120    |
| dimension C  | mm             | 180           | 180    |
| dimension E  | mm             | 200           | 200    |
| dimension F  | mm             | 120           | 120    |
| net weight   | kg             | 74            | 82     |

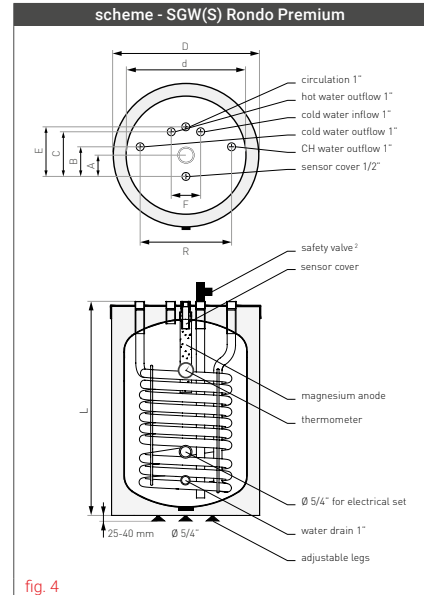


fig. 4

### Technical specification - SG(S) Fusion

| specification   | unit     | SG(S) Fusion 100 |          |
|---|----------|------------------|----------|
|   |          |                  |          |
| storage capacity <sup>1</sup>                           | l        | 104              |          |
| ErP  polyurethane foam                                  | -        | C                |          |
| tank's maximum working pressure                         | MPa      | 1,0              |          |
| tank's maximum working temperature                      | °C       | 95               |          |
| range of working temperatures                           | °C       | 8-77             |          |
| constant delivery of DHW Δt=30K                         | l/h (kW) | 660 (24)         | 774 (28) |
| estimated time to warm up the water Δt=45K <sup>3</sup> | min (kW) | 20 (24)          | 16 (28)  |
| magnesium anode top cover (5/4" plug)                   | mm       | 25x390           |          |
| cold water inflow (ext. thread)                         | "        | 3/4              |          |
| DHW outflow (ext. thread)                               | "        | 3/4              |          |
| circulation (ext. thread)                               | "        | 3/4              |          |
| cold water outflow / hot water inflow (ext. thread)     | "        | 3/4              |          |
| connection for an electrical set GE (int. thread)       | "        | 5/4              |          |
| sensor cover (Ø)  | "        | 1/2              |          |
| thermometer (int. thread)                               | "        | 1/2              |          |
| water drain (int. thread)                               | "        | 1                |          |
| d - internal diameter                                   | mm       | 500              |          |
| D - external diameter                                   | mm       | 600              |          |
| L - height  | mm       | 900              |          |
| R - spacing   | mm       | 307              |          |
| dimension A   | mm       | 100              |          |
| dimension B   | mm       | 150              |          |
| dimension C   | mm       | 165              |          |
| net weight  | kg       | 54               |          |

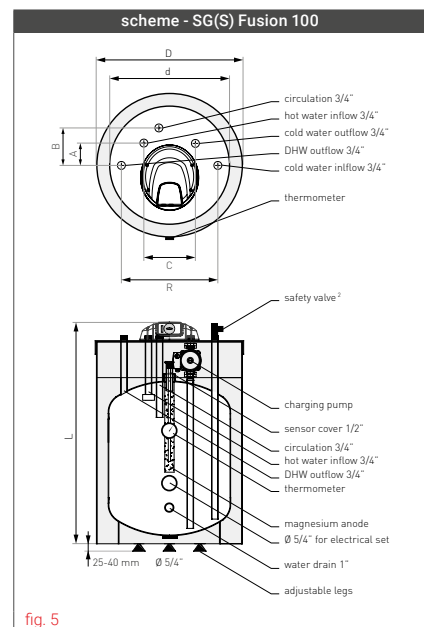


fig. 5

\* Details in the warranty card.  
<sup>1</sup> According to the (EU) 812/2013, 814/2013.  
<sup>2</sup> Included with the device for self-assembly.  
<sup>3</sup> Nominal power for DHW output of the boiler.



## SGW(S) Rondo Premium

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 26-127500 | 120  | spiral coil, polyurethane foam, metal casing, EXTRA GLASS® ceramic enamel, | 5901224402692 |
| 26-147500 | 140  | magnesium anode  | 5901224402951 |

### Advantages of the SGW(S) Rondo Premium

- ▶ Energy efficiency class - A.
- ▶ All connections in the top cover.
- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



pic. 6  
SGW(S) Rondo Premium

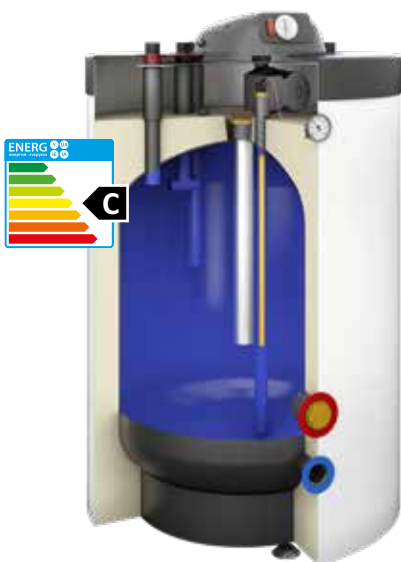
▶ The SGW(S) Rondo Premium tank is designed to operate with every type of boiler: in particular with wall-hanging single function gas boilers. Enlarged spiral coil ensure **fast water heating**, and energy efficiency class A guarantees **economic work and gas savings**.

## SG(S) Fusion

| cat. no.  | type | description   | EAN code      |
|-----------|------|---|---------------|
| 22-107500 | 100  | layered, polyurethane foam, metal casing, EXTRA GLASS® ceramic enamel, charging pump, thermostat, magnesium anode | 5901224413254 |

### Advantages of the SG(S) Fusion

- ▶ Perfect fusion with your dual function gas boiler.
- ▶ Maximum utilization of the water that is stored in layers.
- ▶ Savings on gas with small water consumption.
- ▶ Short heating time.
- ▶ 3-stage circulation pump with adjustable output - built-in the tank.
- ▶ All connections in the top cover.
- ▶ Ability to install an electrical set.
- ▶ Thermometer in standard.
- ▶ Small dimensions.



pic. 7  
SG(S) Fusion

▶ The SG(S) Fusion is designed for operation with a dual function gas boiler and storage of domestic hot water. Thanks to its **layered water distribution**, small water consumption does not start the boiler too often. This prolongs its life and allows the user to save gas.

\* Details in the warranty card.

# INDIRECT WATER HEATERS WITH A SPIRAL COIL

## TYPE SGW(S) TOWER, SGW(S)B TOWER BIWAL (ERP A)

### Technical specification - SGW(S) Tower (ErP A)

| specification                          | unit           | SGW(S) Tower (ErP A) |            |            |
|--|----------------|----------------------|------------|------------|
|  |                | 200                  | 250        | 300        |
| storage capacity <sup>1</sup>          | l              | 205                  | 247        | 292        |
| ErP  polyurethane foam                 | -              | A                    | A          | A          |
| tank's maximum working pressure        | MPa            | 1,0                  | 1,0        | 1,0        |
| coil's maximum working pressure        | MPa            | 1,6                  | 1,6        | 1,6        |
| tank's maximum working temperature     | °C             | 95                   | 95         | 95         |
| coil's maximum working temperature     | °C             | 110                  | 110        | 110        |
| coil's surface                         | m <sup>2</sup> | 0,8                  | 1,0        | 1,4        |
| coil's capacity                        | l              | 5,6                  | 7,0        | 9,8        |
| coil's power (70/10/45°C)              | kW             | 21,4                 | 23,6       | 33,6       |
| coil's efficiency (70/10/45°C)         | l/h            | 526                  | 585        | 814        |
| coil's power (80/10/45°C)              | kW             | 29                   | 31,5       | 44,8       |
| coil's efficiency (80/10/45°C)         | l/h            | 714                  | 774        | 1096       |
| magnesium top cover (5/4" plug)        | mm             | 38x400               | 38x400     | 38x400     |
| anode insp. hole (M8 screw)            | mm             | 38x200               | 38x200     | 38x200     |
| h1 - cold water inflow (int. thread)   | " / mm         | 1 / 140              | 1 / 140    | 1 / 140    |
| h2 - CH water outflow (int. thread)    | " / mm         | 1 / 225              | 1 / 225    | 1 / 225    |
| h3 - sensor cover (Ø)                  | " / mm         | 1/2 / 325            | 1/2 / 410  | 1/2 / 470  |
| crk - circulation (int. thread)        | " / mm         | 3/4 / 485            | 3/4 / 1050 | 3/4 / 1140 |
| h4 - CH hot water inflow (int. thread) | " / mm         | 1 / 585              | 1 / 695    | 1 / 775    |
| h5 - DHW outflow (int. thread)         | " / mm         | 1 / 1025             | 1 / 1245   | 1 / 1495   |
| d - internal diameter                  | mm             | 500                  | 500        | 500        |
| D - external diameter                  | mm             | 670                  | 700        | 700        |
| L - height                             | mm             | 1355                 | 1565       | 1825       |
| net weight                             | kg             | 77                   | 88         | 105        |

### Technical specification - SGW(S)B Tower Biwal (ErP A)

| specification                             | unit           | SGW(S)B Tower Biwal (ErP A) |            |            |
|---|----------------|-----------------------------|------------|------------|
|   |                | 200                         | 250        | 300        |
| storage capacity <sup>1</sup>             | l              | 199                         | 240        | 286        |
| ErP  polyurethane foam                    | -              | A                           | A          | A          |
| tank's maximum working pressure           | MPa            | 1,0                         | 1,0        | 1,0        |
| coil's maximum working pressure           | MPa            | 1,6                         | 1,6        | 1,6        |
| tank's maximum working temperature        | °C             | 95                          | 95         | 95         |
| coil's maximum working temperature        | °C             | 110                         | 110        | 110        |
| coil's surface I                          | m <sup>2</sup> | 0,8                         | 1,0        | 1,4        |
| coil's capacity I                         | l              | 5,6                         | 7,0        | 9,8        |
| coil's power I (70/10/45°)                | kW             | 21,4                        | 23,6       | 33,6       |
| coil's efficiency I (70/10/45°)           | l/h            | 526                         | 585        | 814        |
| coil's power I (80/10/45°)                | kW             | 29                          | 31,5       | 44,8       |
| coil's efficiency I (80/10/45°)           | l/h            | 714                         | 774        | 1096       |
| coil's surface II                         | m <sup>2</sup> | 0,6                         | 0,8        | 0,8        |
| coil's capacity II                        | l              | 4,2                         | 5,6        | 5,6        |
| coil's power II (70/10/45°C)              | kW             | 14,2                        | 21,5       | 21,5       |
| coil's efficiency II (70/10/45°C)         | l/h            | 351                         | 533        | 533        |
| coil's power II (80/10/45°C)              | kW             | 18,8                        | 26         | 26         |
| coil's efficiency II (80/10/45°C)         | l/h            | 465                         | 632        | 632        |
| magnesium top cover (5/4" plug)           | mm             | 38x400                      | 38x400     | 38x400     |
| anode insp. hole (M8 screw)               | mm             | 38x200                      | 38x200     | 38x200     |
| h1 - cold water inflow (int. thread)      | " / mm         | 1 / 140                     | 1 / 140    | 1 / 140    |
| h2 - CH water outflow I (int. thread)     | " / mm         | 1 / 225                     | 1 / 225    | 1 / 225    |
| h3 - sensor cover I (int. Ø 8 mm)         | " / mm         | 1/2 / 325                   | 1/2 / 410  | 1/2 / 470  |
| crk - circulation (int. thread)           | " / mm         | 3/4 / 485                   | 3/4 / 1050 | 3/4 / 1140 |
| h4 - CH hot water inflow I (int. thread)  | " / mm         | 1 / 585                     | 1 / 695    | 1 / 775    |
| h5 - CH water outflow II (int. thread)    | " / mm         | 1 / 695                     | 1 / 805    | 1 / 895    |
| h6 - sensor cover II (int. Ø 8 mm)        | " / mm         | 1/2 / 820                   | 1/2 / 940  | 1/2 / 1030 |
| h7 - CH hot water inflow II (int. thread) | " / mm         | 1 / 945                     | 1 / 1145   | 1 / 1255   |
| h8 - DHW outflow (int. thread)            | " / mm         | 1 / 1025                    | 1 / 1245   | 1 / 1495   |
| d - internal diameter                     | mm             | 500                         | 500        | 500        |
| D - external diameter                     | mm             | 670                         | 700        | 700        |
| L - height                                | mm             | 1355                        | 1565       | 1825       |
| net weight                                | kg             | 85                          | 98         | 127        |

<sup>1</sup> According to the (EU) 812/2013, 814/2013.

<sup>2</sup> Included with the device for self-assembly.

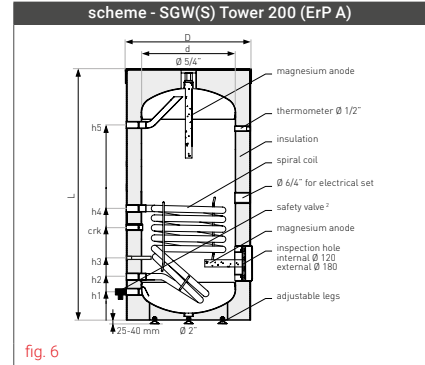


fig. 6

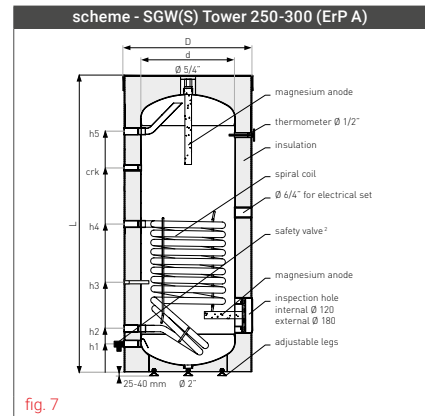


fig. 7

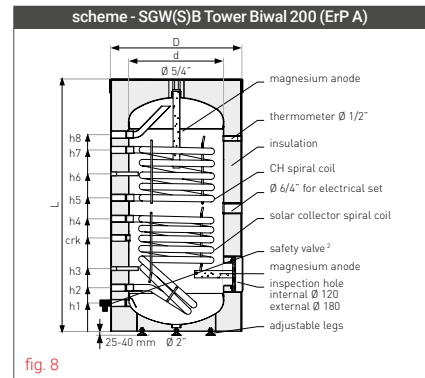


fig. 8

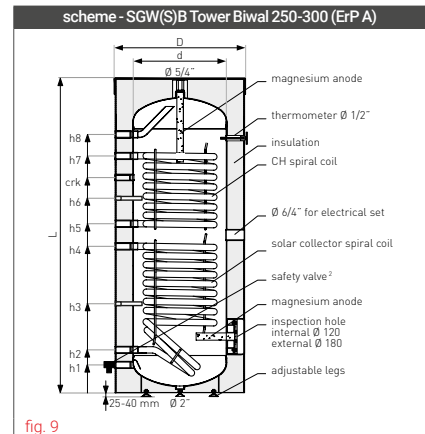


fig. 9

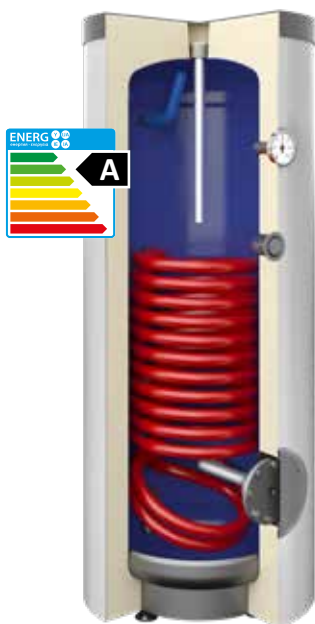


### SGW(S) Tower (ErP A)

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 26-204600 | 200  | spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224900938 |
| 26-254600 | 250  |  | 5901224545535 |
| 26-304600 | 300  |  | 5901224545542 |

### SGW(S)B Tower Biwal (ErP A)

| cat. no.  | type | description   | EAN code      |
|-----------|------|---|---------------|
| 26-209800 | 200  | two spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224545597 |
| 26-259800 | 250  |   | 5901224545603 |
| 26-309800 | 300  |   | 5901224545610 |



pic. 8  
SGW(S) Tower (ErP A)



pic. 9  
SGW(S)B Tower Biwal (ErP A)

### Advantages of the SGW(S) Tower and SGW(S)B Tower Biwal in ErP A class

- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Bivalent water heater that can heat domestic hot water both through the CH boiler and a solar collector (SGW(S)B Tower Biwal).
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.

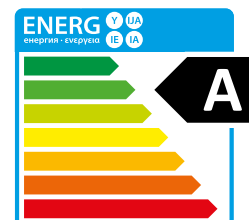
For SGW(S) Tower and SGW(S)B Tower Biwal in ErP A class water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet.



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

▶ The first Galmet tanks were produced over 39 years ago, in a 12 m<sup>2</sup> garage. Currently, the production halls cover over **12,000 m<sup>2</sup>** and house over **500** employees.

▶ The water heaters marked with the **energy class A** symbol meet the highest technical requirements and are very energy efficient.



\* Details in the warranty card.

# INDIRECT WATER HEATERS WITH A SPIRAL COIL

## TYPE SGW(S) TOWER, BIG TOWER

Technical specification - SGW(S) Tower

| specification                          | unit           | SGW(S) Tower |           |           |           |            |
|--|----------------|--------------|-----------|-----------|-----------|------------|
|  |                | 200          | 250       | 300       | 400       | 500        |
| storage capacity <sup>1</sup>          | l              | 197          | 247       | 309       | 405       | 513        |
| ErP  polyurethane foam                 | -              | B            | B         | B         | C         | B          |
| tank's maximum working temperature     | °C             | 95           | 95        | 95        | 95        | 95         |
| coil's maximum working temperature     | °C             | 110          | 110       | 110       | 110       | 110        |
| tank's maximum working pressure        | MPa            | 1,0          | 1,0       | 1,0       | 1,0       | 1,0        |
| coil's maximum working pressure        | MPa            | 1,6          | 1,6       | 1,6       | 1,6       | 1,6        |
| coil's surface                         | m <sup>2</sup> | 1,4          | 1,4       | 1,4       | 1,8       | 2,0        |
| coil's capacity                        | l              | 9,8          | 9,8       | 9,8       | 12,6      | 14,0       |
| coil's power (70/10/45°C)              | kW             | 33,6         | 33,6      | 33,6      | 43        | 48         |
| coil's efficiency (70/10/45°C)         | l/h            | 800          | 800       | 800       | 1030      | 1150       |
| coil's power (80/10/45°C)              | kW             | 44,8         | 44,8      | 44,8      | 57,6      | 64         |
| coil's efficiency (80/10/45°C)         | l/h            | 1070         | 1070      | 1070      | 1380      | 1530       |
| magnesium anode top cover (5/4" plug)  | mm             | 38x400       | 38x400    | 38x400    | 38x400    | 38x600     |
| insp. hole (M8 screw)                  | mm             | 38x200       | 38x200    | 38x200    | 38x200    | 38x200     |
| h1 - cold water inflow (int. thread)   | " / mm         | 1 / 210      | 1 / 210   | 1 / 130   | 1 / 240   | 1 / 180    |
| h2 - CH water outflow (int. thread)    | " / mm         | 1 / 290      | 1 / 285   | 1 / 280   | 1 / 320   | 1 / 320    |
| h3 - sensor cover (Ø)                  | " / mm         | 3/8 / 435    | 3/8 / 440 | 3/8 / 435 | 3/8 / 570 | 3/8 / 530  |
| crk - circulation (int. thread)        | " / mm         | 3/4 / 680    | 3/4 / 600 | 3/4 / 650 | 3/4 / 770 | 3/4 / 1320 |
| h4 - CH hot water inflow (int. thread) | " / mm         | 1 / 790      | 1 / 755   | 1 / 750   | 1 / 870   | 1 / 970    |
| h5 - DHW outflow (int. thread)         | " / mm         | 1 / 860      | 1 / 1085  | 1 / 1355  | 1 / 1470  | 1 / 1650   |
| d - internal diameter                  | mm             | 550          | 550       | 550       | 600       | 630        |
| D - external diameter                  | mm             | 670          | 670       | 670       | 700       | 755        |
| L - height                             | mm             | 1100         | 1300      | 1615      | 1750      | 1950       |
| net weight                             | kg             | 80           | 95        | 108       | 138       | 162        |

Technical specification - SGW(S) Big Tower

| specification                          | unit           | SGW(S) Big Tower       |                   |                   |
|--|----------------|------------------------|-------------------|-------------------|
|  |                | 700                    | 1000              | 1500              |
| storage capacity <sup>1</sup>          | l              | 694                    | 1005              | 1433              |
| ErP  polyurethane foam                 | -              | C                      | -                 | -                 |
| ErP  Neodul®                           | -              | C                      | C                 | C                 |
| tank's maximum working temperature     | °C             | 95                     | 95                | 95                |
| coil's maximum working temperature     | °C             | 110                    | 110               | 110               |
| tank's maximum working pressure        | MPa            | 1,0                    | 1,0               | 1,0               |
| coil's maximum working pressure        | MPa            | 1,6                    | 1,6               | 1,6               |
| coil's surface                         | m <sup>2</sup> | 2,4                    | 2,7               | 2,7               |
| coil's capacity                        | l              | 16,8                   | 18,9              | 18,9              |
| coil's power (70/10/45°C)              | kW             | 57,6                   | 64,8              | 64,8              |
| coil's efficiency (70/10/45°C)         | l/h            | 1380                   | 1580              | 1580              |
| coil's power (80/10/45°C)              | kW             | 76,8                   | 86,4              | 86,4              |
| coil's efficiency (80/10/45°C)         | l/h            | 1840                   | 2110              | 2110              |
| magnesium anode top cover (2" plug)    | mm             | 38x600                 | 38x600            | 38x600            |
| insp. hole (M8 screw)                  | mm             | 38x400                 | 38x400            | 38x400            |
| h1 - cold water inflow (int. thread)   | " / mm         | 6/4 / 215              | 6/4 / 250         | 6/4 / 250         |
| h2 - CH water outflow (int. thread)    | " / mm         | 1 / 375                | 1 / 450           | 1 / 450           |
| h3 - sensor cover (Ø)                  | " / mm         | 3/8 / 575              | 3/8 / 590         | 3/8 / 600         |
| crk - circulation (int. thread)        | " / mm         | 5/4 / 925              | 5/4 / 875         | 5/4 / 1630        |
| h4 - CH hot water inflow (int. thread) | " / mm         | 1 / 1045               | 1 / 1000          | 1 / 1000          |
| h5 - DHW outflow (int. thread)         | " / mm         | 6/4 / 1715             | 6/4 / 1570        | 6/4 / 2250        |
| d - internal diameter                  | mm             | 700                    | 900               | 900               |
| D - external diameter                  | mm             | 855/860 <sup>3</sup>   | 1060 <sup>3</sup> | 1100 <sup>3</sup> |
| L - height                             | mm             | 2050/2080 <sup>3</sup> | 1990 <sup>3</sup> | 2680 <sup>3</sup> |
| net weight                             | kg             | 242                    | 347               | 447               |

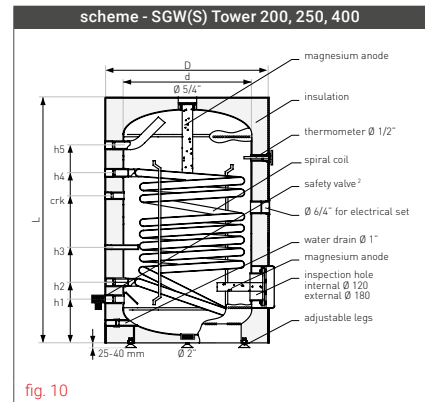


fig. 10

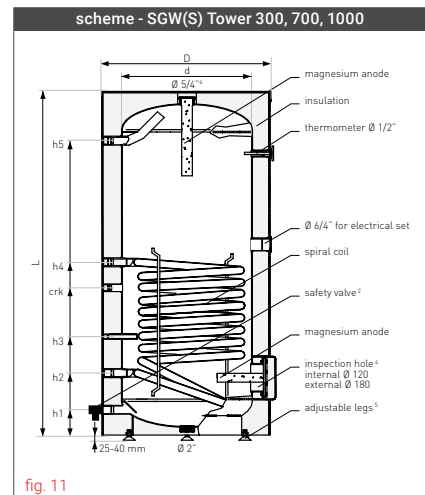


fig. 11

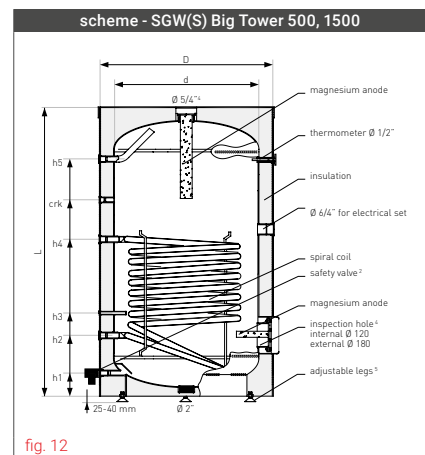


fig. 12

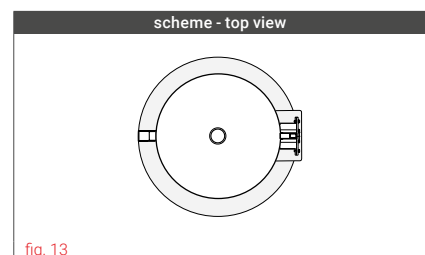
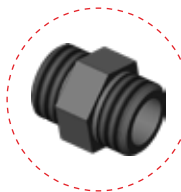
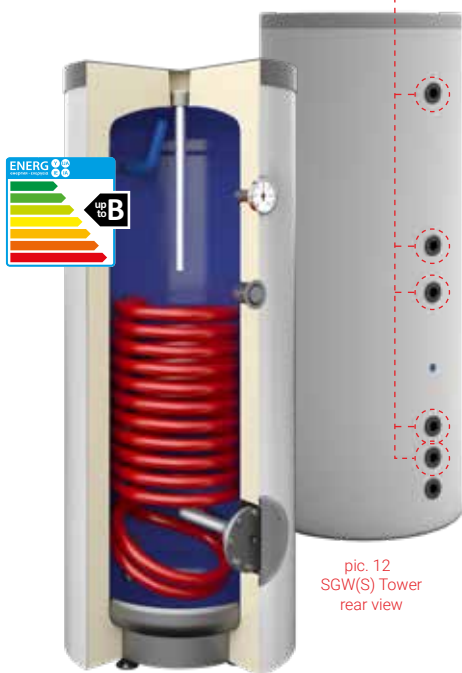


fig. 13

<sup>1</sup> According to the (EU) 812/2013, 814/2013.  
<sup>2</sup> Included with the device for self-assembly.  
<sup>3</sup> Neodul® (detachable).  
<sup>4</sup> For type 700-1500 insp. hole (int. Ø 205 mm / Ø ext. 280 mm).  
<sup>5</sup> Applies to SGW(S) Tower 200-500.



pic. 10  
DIELECTRIC PROTECTION®



pic. 11  
SGW(S) Tower  
front view

pic. 12  
SGW(S) Tower  
rear view



pic. 13  
SGW(S) Big Tower  
in Neodul® insulation

## SGW(S) Tower

| cat. no.   | type | description  | EAN code      |
|------------|------|--|---------------|
| 26-208000  | 200  |  | 5901224500190 |
| 26-258000  | 250  |  | 5901224522499 |
| 26-308000N | 300  | spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224557118 |
| 26-408000N | 400  |  | 5901224557200 |
| 26-504000N | 500  |  | 5901224557255 |

## SGW(S) Big Tower

| cat. no.   | type | description  | EAN code      |
|------------|------|--|---------------|
| 26-704000N | 700  | spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224557439 |
| 26-704600N | 700  |  | 5901224557484 |
| 36-104600N | 1000 | spiral coil, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224557491 |
| 36-154600N | 1500 |  | 5901224557507 |

## Advantages of the SGW(S) Tower and Big Tower

- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.

For SGW(S) Tower and SGW(S) Big Tower water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types up to 300 (small titanium anode).
- for types between 400 and 500 (large single titanium anode).
- for types between 700 and 1500 (large dual titanium anode).



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

▶ Extended life of the 100-500 water tanks (for both without and with a spiral coil, as well as for those with 2 or 3 spiral coils) thanks to the use of an anti-corrosion **DIELECTRIC PROTECTION®** in cold water, hot water and circulation connections.

\* 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.

# INDIRECT WATER HEATERS WITH A SPIRAL COIL

## TYPE SGW(S) TOWER SLIM

Technical specification - SGW(S) Tower Slim 200-300

| specification                           | unit              | SGW(S) Tower Slim |            |            |
|---|-------------------|-------------------|------------|------------|
|   |                   | 200               | 250        | 300        |
| storage capacity <sup>1</sup>           | l                 | 205               | 247        | 292        |
| ErP                                     | polyurethane foam | -                 | C          | C          |
|   | Neodul®           | -                 | -          | -          |
| tank's maximum working pressure         | MPa               | 1,0               | 1,0        | 1,0        |
| coil's maximum working pressure         | MPa               | 1,6               | 1,6        | 1,6        |
| tank's maximum working temperature      | °C                | 95                | 95         | 95         |
| coil's maximum working temperature      | °C                | 110               | 110        | 110        |
| coil's surface                          | m <sup>2</sup>    | 0,8               | 1,0        | 1,4        |
| coil's capacity                         | l                 | 5,6               | 7,0        | 9,8        |
| coil's power (70/10/45°C)               | kW                | 21,4              | 23,6       | 33,6       |
| coil's efficiency (70/10/45°C)          | l/h               | 526               | 585        | 814        |
| coil's power (80/10/45°C)               | kW                | 29                | 31,5       | 44,8       |
| coil's efficiency (80/10/45°C)          | l/h               | 714               | 774        | 1096       |
| demand for heating water from CH boiler | m <sup>3</sup> /h | 2,7               | 3,0        | 3,0        |
| magnesium top cover (5/4" plug)         | mm                | 38x400            | 38x400     | 38x400     |
| anode insp. hole (M8 screw)             | mm                | 38x200            | 38x200     | 38x200     |
| h1 - cold water inflow (int. thread)    | " / mm            | 1 / 140           | 1 / 140    | 1 / 140    |
| h2 - CH water outflow (int. thread)     | " / mm            | 1 / 225           | 1 / 225    | 1 / 225    |
| h3 - sensor cover (Ø)                   | " / mm            | 1/2 / 325         | 1/2 / 410  | 1/2 / 470  |
| crk - circulation (int. thread)         | " / mm            | 3/4 / 485         | 3/4 / 1050 | 3/4 / 1140 |
| h4 - CH hot water inflow (int. thread)  | " / mm            | 1 / 585           | 1 / 695    | 1 / 775    |
| h5 - DHW outflow (int. thread)          | " / mm            | 1 / 1025          | 1 / 1245   | 1 / 1495   |
| d - internal diameter                   | mm                | 500               | 500        | 500        |
| D - external diameter                   | mm                | 600               | 600        | 600        |
| L - height                              | mm                | 1300              | 1515       | 1780       |
| net weight                              | kg                | 76                | 86         | 100        |

In all free-standing water heaters (from 200 to 1000) the thermometer output, 6/4" connection and an insp. hole are situated on the front of the tank, 180° away from the other connections.

Technical specification - SGW(S) Tower Slim 800-1000

| specification                            | unit              | SGW(S) Tower Slim |                  |
|--|-------------------|-------------------|------------------|
|  |                   | 800               | 1000             |
| storage capacity <sup>1</sup>            | l                 | 790               | 925              |
| ErP                                      | polyurethane foam | -                 | -                |
|  | Neodul®           | -                 | C                |
| tank's maximum working pressure          | MPa               | 1,0               | 1,0              |
| coil's maximum working pressure          | MPa               | 1,6               | 1,6              |
| tank's maximum working temperature       | °C                | 95                | 95               |
| coil's maximum working temperature       | °C                | 110               | 110              |
| coil's surface                           | m <sup>2</sup>    | 2,4               | 3,7              |
| coil's capacity                          | l                 | 16,9              | 25,8             |
| coil's power (70/10/45°C)                | kW                | 44,5              | 60               |
| coil's efficiency (70/10/45°C)           | l/h               | 1099              | 1468             |
| coil's power (80/10/45°C)                | kW                | 57                | 78               |
| coil's efficiency (80/10/45°C)           | l/h               | 1393              | 1936             |
| demand for heating water from CH boiler  | m <sup>3</sup> /h | 3,0               | 3,0              |
| magnesium top cover (2" plug)            | mm                | 38x600            | 38x600           |
| anode lower part of the tank (5/4" plug) | mm                | 38x400            | 38x400           |
| h1 - cold water inflow (int. thread)     | " / mm            | 6/4 / 210         | 6/4 / 210        |
| h2 - CH water outflow (int. thread)      | " / mm            | 1 / 380           | 1 / 380          |
| h3 - sensor cover (Ø)                    | " / mm            | 1/2 / 610         | 1/2 / 610        |
| crk - circulation (int. thread)          | " / mm            | 5/4 / 1352        | 5/4 / 1640       |
| h4 - CH hot water inflow (int. thread)   | " / mm            | 1 / 1030          | 1 / 1265         |
| h5 - DHW outflow (int. thread)           | " / mm            | 6/4 / 1610        | 6/4 / 1910       |
| d - internal diameter                    | mm                | 790               | 790              |
| D - external diameter                    | mm                | 950 <sup>3</sup>  | 950 <sup>3</sup> |
| L - height                               | mm                | 1990              | 2300             |
| net weight                               | kg                | 285               | 332              |

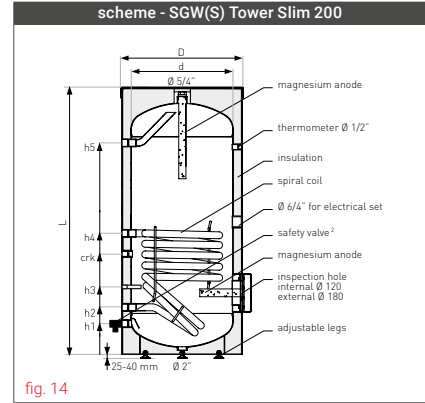


fig. 14

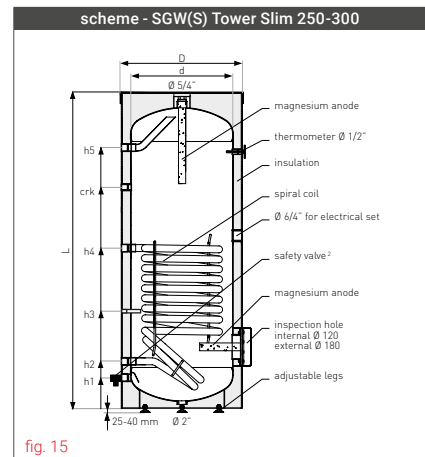


fig. 15

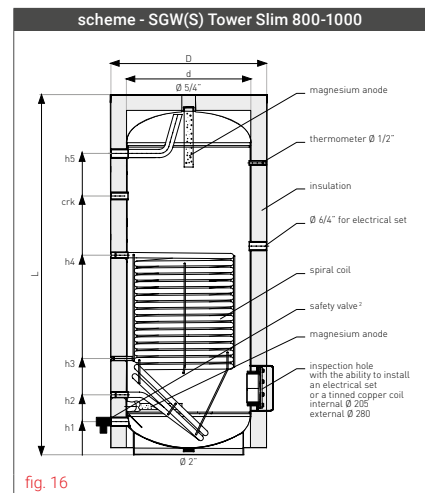


fig. 16

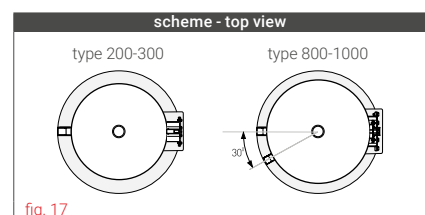


fig. 17

<sup>1</sup> According to the (EU) 812/2013, 814/2013.  
<sup>2</sup> Included with the device for self-assembly.  
<sup>3</sup> Detachable insulation 80 mm, internal Ø 790 mm.





## SGW(S) Tower Slim

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 26-201000 | 200  | spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224524882 |
| 26-251000 | 250  |  | 5901224524905 |
| 26-301000 | 300  |  | 5901224524929 |
| 26-801600 | 800  | spiral coil, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224523724 |
| 36-101600 | 1000 |  | 5901224523564 |

### Advantages of the SGW(S) Tower Slim

- ▶ Only 60 cm in diameter (SGW(S) Tower Slim 200-300).
- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



pic. 14  
SGW(S) Tower Slim

### Tinned copper coils for SGW(S) Tower Slim 800-1000 for self-assembly

| cat. no.  | description   | EAN code      |
|-----------|---|---------------|
| 40-501210 | 1,0 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810145 |
| 40-501218 | 1,8 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810152 |
| 40-501223 | 2,3 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224809897 |

Technical specifications and diagrams of tinned copper coils - page 40.

For SGW(S) Tower Slim water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types up to 300 (small titanium anode).
- for types between 800 and 1000 (large dual titanium anode).



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



pic. 15  
SGW(S) Tower Slim  
in Neodul® insulation



**Neodul®** is the new standard for the thermal insulation of hot water tanks. It is based on **polystyrene foam with admixture of graphite nano particles**. This combination reduces the heat losses compared to other types of insulation and significantly lowers the energy costs.



\* Details in the warranty card.

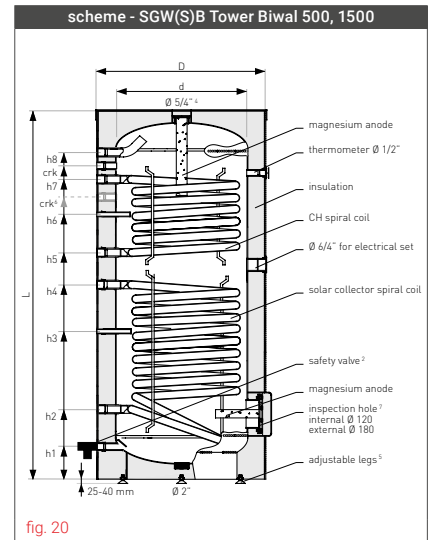
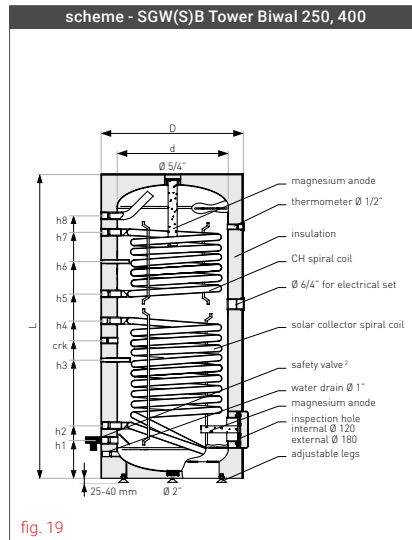
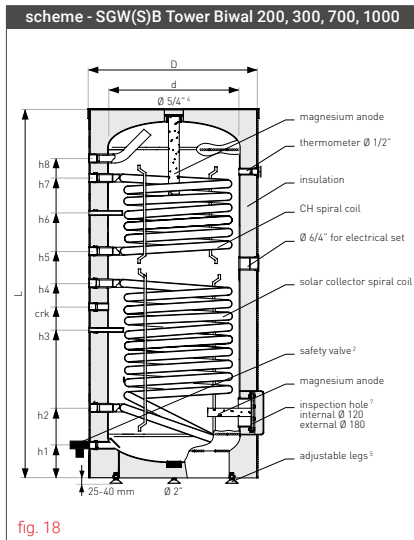
In case of 1000 (only Slim and SG(K) Multi-Inox versions), 1500 and 2000 tanks the Neodul® insulation is delivered in separate packaging together with the tank. In other cases, the insulation is mounted directly on the tank.

# INDIRECT WATER HEATERS WITH TWO SPIRAL COILS (BIVALENT)

## TYPE SGW(S)B TOWER BIWAL

Technical specification - SGW(S)B Tower Biwal

| specification                             | unit                  | SGW(S)B Tower Biwal |           |            |            |            |                        |                   |                   |
|---|-----------------------|---------------------|-----------|------------|------------|------------|------------------------|-------------------|-------------------|
|   |                       | 200                 | 250       | 300        | 400        | 500        | 700                    | 1000              | 1500              |
| storage capacity <sup>1</sup>             | l                     | 197                 | 244       | 299        | 395        | 496        | 683                    | 992               | 1420              |
| ErP                                       | polyurethane foam     | B                   | B         | B          | C          | B          | C                      | -                 | -                 |
|   | Neodul®               | -                   | -         | -          | -          | -          | C                      | C                 | C                 |
| 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               |
| tank's maximum working pressure           | MPa                   | 1,0                 | 1,0       | 1,0        | 1,0        | 1,0        | 1,0                    | 1,0               | 1,0               |
| coil's maximum working pressure           | MPa                   | 1,6                 | 1,6       | 1,6        | 1,6        | 1,6        | 1,6                    | 1,6               | 1,6               |
| solar collector coil's surface            | m <sup>2</sup>        | 1,0                 | 1,2       | 1,4        | 1,8        | 2,0        | 2,4                    | 2,7               | 2,7               |
| solar collector coil's capacity           | l                     | 7,0                 | 8,4       | 9,8        | 12,6       | 14,0       | 16,8                   | 18,9              | 18,9              |
| coil's power I (70/10/45°C)               | kW                    | 24                  | 29        | 33,6       | 43         | 48         | 57,6                   | 64,8              | 64,8              |
| coil's efficiency I (70/10/45°C)          | l/h                   | 570                 | 635       | 800        | 1030       | 1150       | 1380                   | 1580              | 1580              |
| coil's power I (80/10/45°C)               | kW                    | 32                  | 38,4      | 44,8       | 57,6       | 64         | 76,8                   | 86,4              | 86,4              |
| coil's efficiency I (80/10/45°C)          | l/h                   | 760                 | 920       | 1070       | 1380       | 1530       | 1840                   | 2110              | 2110              |
| coil's surface II                         | m <sup>2</sup>        | 0,7                 | 0,7       | 1,1        | 1,1        | 1,1        | 1,2                    | 1,5               | 1,5               |
| coil's capacity II                        | l                     | 4,9                 | 4,9       | 7,7        | 7,7        | 7,7        | 8,4                    | 10,5              | 10,5              |
| coil's power II (70/10/45°C)              | kW                    | 17                  | 17        | 26,4       | 26,4       | 26,4       | 28,8                   | 36                | 36                |
| coil's efficiency II (70/10/45°C)         | l/h                   | 410                 | 410       | 630        | 630        | 630        | 690                    | 880               | 880               |
| coil's power II (80/10/45°C)              | kW                    | 22                  | 22        | 35,2       | 35,2       | 35,2       | 38,4                   | 48                | 48                |
| coil's efficiency II (80/10/45°C)         | l/h                   | 540                 | 540       | 840        | 840        | 840        | 920                    | 1150              | 1150              |
| magnesium anode                           | top cover (5/4" plug) | mm                  | 38x400    | 38x400     | 38x400     | 38x400     | 38x600                 | -                 | -                 |
|   | top cover (2" plug)   | mm                  | -         | -          | -          | -          | 38x600                 | 38x600            | 38x600            |
|   | insp. hole (M8 screw) | mm                  | 38x200    | 38x200     | 38x200     | 38x400     | 38x200                 | 38x400            | 38x400            |
| h1 - cold water inflow (int. thread)      | " / mm                | 1 / 130             | 1 / 210   | 1 / 130    | 1 / 240    | 1 / 180    | 6/4 / 215              | 6/4 / 250         | 6/4 / 250         |
| h2 - CH water outflow I (int. thread)     | " / mm                | 1 / 210             | 1 / 290   | 1 / 280    | 1 / 320    | 1 / 320    | 1 / 375                | 1 / 450           | 1 / 450           |
| h3 - sensor cover I (Ø)                   | " / mm                | 3/8 / 355           | 3/8 / 400 | 3/8 / 435  | 3/8 / 570  | 3/8 / 530  | 3/8 / 525              | 3/8 / 600         | 3/8 / 600         |
| crk - circulation (int. thread)           | " / mm                | 3/4 / 450           | 3/4 / 595 | 3/4 / 650  | 3/4 / 770  | 3/4 / 1320 | 5/4 / 925              | 5/4 / 880         | 5/4 / 1630        |
| h4 - CH hot water inflow I (int. thread)  | " / mm                | 1 / 550             | 1 / 695   | 1 / 750    | 1 / 870    | 1 / 970    | 1 / 1045               | 1 / 1000          | 1 / 1000          |
| h5 - CH water outflow II (int. thread)    | " / mm                | 1 / 635             | 1 / 795   | 1 / 860    | 1 / 980    | 1 / 1090   | 1 / 1175               | 1 / 1100          | 1 / 1100          |
| h6 - sensor cover II (Ø)                  | " / mm                | 3/8 / 765           | 3/8 / 900 | 3/8 / 1030 | 3/8 / 1150 | 3/8 / 1200 | 3/8 / 1365             | 3/8 / 1270        | 3/8 / 1270        |
| h7 - CH hot water inflow II (int. thread) | " / mm                | 1 / 895             | 1 / 1005  | 1 / 1200   | 1 / 1330   | 1 / 1440   | 1 / 1555               | 1 / 1440          | 1 / 1440          |
| h8 - DHW outflow (int. thread)            | " / mm                | 1 / 975             | 1 / 1085  | 1 / 1355   | 1 / 1470   | 1 / 1650   | 6/4 / 1715             | 6/4 / 1570        | 6/4 / 2250        |
| d - internal diameter                     | mm                    | 550                 | 550       | 550        | 600        | 630        | 700                    | 900               | 900               |
| D - external diameter                     | mm                    | 670                 | 670       | 670        | 700        | 755        | 855/860 <sup>3</sup>   | 1060 <sup>3</sup> | 1100 <sup>3</sup> |
| L - height                                | mm                    | 1140                | 1300      | 1615       | 1750       | 1950       | 2050/2080 <sup>3</sup> | 1990 <sup>3</sup> | 2680 <sup>3</sup> |
| net weight                                | kg                    | 88                  | 106       | 122        | 157        | 178        | 267                    | 374               | 492               |



1 According to the (EU) 812/2013, 814/2013.  
 2 Included with the device for self-assembly.  
 3 Neodul® (detachable).  
 4 For type 700, 1000 and 1500 l magnesium anode plug 2".  
 5 Applies to SGW(S)B Tower Biwal 200-500.  
 6 Applies to SGW(S)B Tower Biwal 500.  
 7 For type 700-1500 insp. hole (int. Ø 205 mm / Ø ext. 280 mm).



## SGW(S)B Tower Biwal

| cat. no.   | type | description   | EAN code      |
|------------|------|---|---------------|
| 26-209000  | 200  |   | 5901224500404 |
| 26-259000  | 250  |   | 5901224507663 |
| 26-309000N | 300  | two spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224550805 |
| 26-409000N | 400  |   | 5901224557194 |
| 26-509000N | 500  |   | 5901224557248 |

## SGW(S)B Big Tower Biwal

| cat. no.   | type | description   | EAN code      |
|------------|------|---|---------------|
| 26-709000N | 700  | two spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224557422 |
| 26-709600N | 700  |   | 5901224558627 |
| 36-109600N | 1000 | two spiral coils, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224557620 |
| 36-159600N | 1500 |   | 5901224557644 |



pic. 16  
SGW(S)B  
Tower Biwal

Water heaters for central heating systems and solar collectors.

### Advantages of the SGW(S)B Tower Biwal and Big Tower Biwal

- ▶ Bivalent water heater that can heat domestic hot water both through the CH boiler and solar collectors.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.

For SGW(S)B water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types up to 300 (small titanium anode).
- for types between 400 and 500 (large single titanium anode).
- for types between 700 and 1000 (large dual titanium anode).
- for types up to 1500 (Maxi dual titanium anode).

**It is possible to order enamelled tanks up to 3000 (custom-made).**



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



pic. 17  
SGW(S)B Big Tower Biwal  
in Neodul® insulation

- ▶ Extended life of the 100-500 water tanks (for both without and with a spiral coil, as well as for those with 2 or 3 spiral coils) thanks to the use of an anti-corrosion **DIELECTRIC PROTECTION®** in cold water, hot water and circulation connections.

\* 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.

# INDIRECT WATER HEATERS WITH TWO SPIRAL COILS

## TYPE SGW(S)B TOWER BIWAL SLIM

Technical specification - SGW(S)B Tower Biwal Slim

| specification                             | unit              | SGW(S)B Tower Biwal Slim |            |            |
|---|-------------------|--------------------------|------------|------------|
|   |                   | 200                      | 250        | 300        |
| storage capacity <sup>1</sup>             | l                 | 199                      | 240        | 286        |
| ErP  polyurethane foam                    | -                 | C                        | C          | C          |
| tank's maximum working pressure           | MPa               | 1,0                      | 1,0        | 1,0        |
| coil's maximum working pressure           | MPa               | 1,6                      | 1,6        | 1,6        |
| tank's maximum working temperature        | °C                | 95                       | 95         | 95         |
| coil's maximum working temperature        | °C                | 110                      | 110        | 110        |
| coil's surface I                          | m <sup>2</sup>    | 0,8                      | 1,0        | 1,4        |
| coil's capacity I                         | l                 | 5,6                      | 7,0        | 9,8        |
| coil's power I (70/10/45°)                | kW                | 21,4                     | 23,6       | 33,6       |
| coil's efficiency I (70/10/45°)           | l/h               | 526                      | 585        | 814        |
| coil's power I (80/10/45°)                | kW                | 29                       | 31,5       | 44,8       |
| coil's efficiency I (80/10/45°)           | l/h               | 714                      | 774        | 1096       |
| coil's surface II                         | m <sup>2</sup>    | 0,6                      | 0,8        | 0,8        |
| coil's capacity II                        | l                 | 4,2                      | 5,6        | 5,6        |
| coil's power II (70/10/45°C)              | kW                | 14,2                     | 21,5       | 21,5       |
| coil's efficiency II (70/10/45°C)         | l/h               | 351                      | 533        | 533        |
| coil's power II (80/10/45°C)              | kW                | 18,8                     | 26         | 26         |
| coil's efficiency II (80/10/45°C)         | l/h               | 465                      | 632        | 632        |
| demand for heating water from CH boiler   | m <sup>3</sup> /h | 2,7                      | 3,0        | 3,0        |
| magnesium top cover (5/4" plug)           | mm                | 38x400                   | 38x400     | 38x400     |
| anode insp. hole (M8 screw)               | mm                | 38x200                   | 38x200     | 38x200     |
| h1 - cold water inflow (int. thread)      | " / mm            | 1 / 140                  | 1 / 140    | 1 / 140    |
| h2 - CH water outflow I (int. thread)     | " / mm            | 1 / 225                  | 1 / 225    | 1 / 225    |
| h3 - sensor cover I (int. Ø 8 mm)         | " / mm            | 1/2 / 325                | 1/2 / 410  | 1/2 / 470  |
| crk - circulation (int. thread)           | " / mm            | 3/4 / 485                | 3/4 / 1050 | 3/4 / 1140 |
| h4 - CH hot water inflow I (int. thread)  | " / mm            | 1 / 585                  | 1 / 695    | 1 / 775    |
| h5 - CH water outflow II (int. thread)    | " / mm            | 1 / 695                  | 1 / 805    | 1 / 895    |
| h6 - sensor cover II (int. Ø 8 mm)        | " / mm            | 1/2 / 820                | 1/2 / 940  | 1/2 / 1030 |
| h7 - CH hot water inflow II (int. thread) | " / mm            | 1 / 945                  | 1 / 1145   | 1 / 1255   |
| h8 - DHW outflow (int. thread)            | " / mm            | 1 / 1025                 | 1 / 1245   | 1 / 1495   |
| d - internal diameter                     | mm                | 500                      | 500        | 500        |
| D - external diameter                     | mm                | 600                      | 600        | 600        |
| L - height                                | mm                | 1315                     | 1515       | 1785       |
| net weight                                | kg                | 85                       | 98         | 113        |

| specification                             | unit              | SGW(S)B Tower Biwal Slim |                  |
|---|-------------------|--------------------------|------------------|
|   |                   | 800                      | 1000             |
| storage capacity <sup>1</sup>             | l                 | 780                      | 910              |
| ErP  Neodul®                              | -                 | C                        | C                |
| tank's maximum working pressure           | MPa               | 1,0                      | 1,0              |
| coil's maximum working pressure           | MPa               | 1,6                      | 1,6              |
| tank's maximum working temperature        | °C                | 95                       | 95               |
| coil's maximum working temperature        | °C                | 110                      | 110              |
| coil's surface I                          | m <sup>2</sup>    | 2,4                      | 3,7              |
| coil's capacity I                         | l                 | 16,8                     | 25,8             |
| coil's power I (70/10/45°)                | kW                | 44,5                     | 60               |
| coil's efficiency I (70/10/45°)           | l/h               | 1099                     | 1468             |
| coil's power I (80/10/45°C)               | kW                | 57                       | 78               |
| coil's efficiency I (80/10/45°C)          | l/h               | 1393                     | 1936             |
| coil's surface II                         | m <sup>2</sup>    | 1,2                      | 1,8              |
| coil's capacity II                        | l                 | 8,4                      | 12,6             |
| coil's power II (70/10/45°C)              | kW                | 24,5                     | 39               |
| coil's efficiency II (70/10/45°C)         | l/h               | 600                      | 958              |
| coil's power II (80/10/45°C)              | kW                | 32                       | 51,8             |
| coil's efficiency II (80/10/45°C)         | l/h               | 788                      | 1282             |
| demand for heating water from CH boiler   | m <sup>3</sup> /h | 3,0                      | 3,0              |
| magnesium top cover (2" plug)             | mm                | 38x600                   | 38x600           |
| anode lower part of the tank (5/4" plug)  | mm                | 38x400                   | 38x400           |
| h1 - cold water inflow (int. thread)      | " / mm            | 6/4 / 210                | 6/4 / 210        |
| h2 - CH water outflow I (int. thread)     | " / mm            | 1 / 380                  | 1 / 380          |
| h3 - sensor cover I (int. Ø 8 mm)         | " / mm            | 1/2 / 610                | 1/2 / 610        |
| h4 - CH hot water inflow I (int. thread)  | " / mm            | 1 / 1030                 | 1 / 1265         |
| h5 - CH water outflow II (int. thread)    | " / mm            | 1 / 1145                 | 1 / 1380         |
| h6 - sensor cover II (int. Ø 8 mm)        | " / mm            | 1/2 / 1245               | 1/2 / 1510       |
| crk - circulation (int. thread)           | " / mm            | 5/4 / 1352               | 5/4 / 1640       |
| h7 - CH hot water inflow II (int. thread) | " / mm            | 1 / 1465                 | 1 / 1810         |
| h8 - DHW outflow (int. thread)            | " / mm            | 6/4 / 1610               | 6/4 / 1910       |
| d - internal diameter                     | mm                | 790                      | 790              |
| D - external diameter                     | mm                | 950 <sup>3</sup>         | 950 <sup>3</sup> |
| L - height                                | mm                | 1990                     | 2300             |
| height when tilted                        | mm                | 2220                     | 2500             |
| net weight                                | kg                | 307                      | 362              |

<sup>1</sup> According to the (EU) 812/2013, 814/2013.  
<sup>2</sup> Included with the device for self-assembly.  
<sup>3</sup> Detachable insulation 80 mm, internal Ø 790 mm.

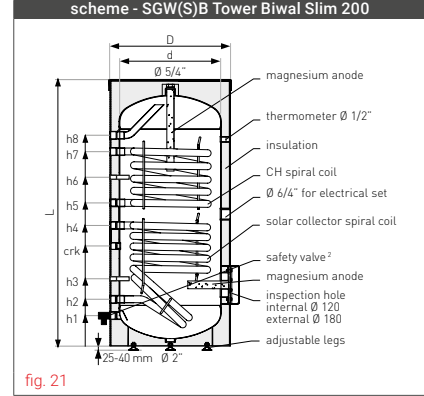


fig. 21

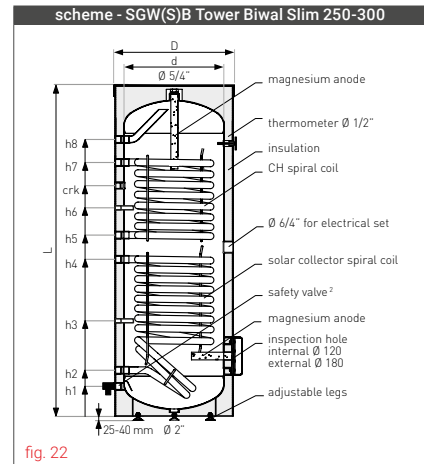


fig. 22

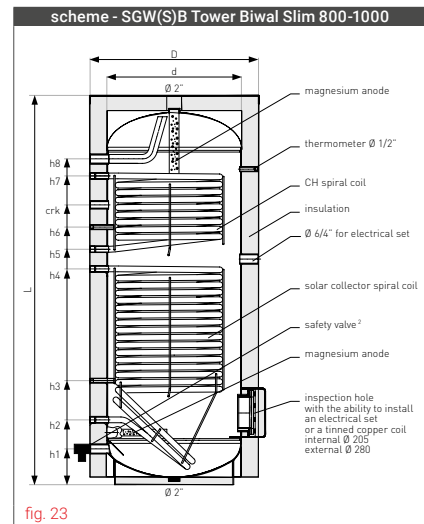


fig. 23

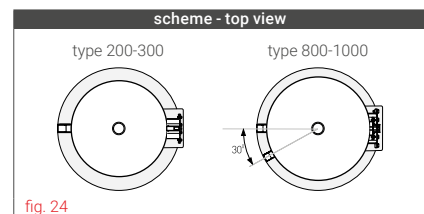


fig. 24



## SGW(S)B Tower Biwal Slim

| cat. no.  | type | description   | EAN code      |
|-----------|------|---|---------------|
| 26-202000 | 200  | two spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224524899 |
| 26-252000 | 250  |   | 5901224524912 |
| 26-302000 | 300  |   | 5901224524936 |
| 26-802600 | 800  | two spiral coils, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224523809 |
| 36-102600 | 1000 |   | 5901224523540 |

### Advantages of the SGW(S)B Tower Biwal Slim

- ▶ Only 60 cm in diameter (SGW(S)B Tower Biwal Slim 200-300).
- ▶ Bivalent water heater that can heat domestic hot water both through the CH boiler and solar collectors.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



pic. 18  
SGW(S)B Tower  
Biwal Slim

### Tinned copper coils for SGW(S)B Tower Biwal Slim 800-1000 for self-assembly

| cat. no.  | description   | EAN code      |
|-----------|---|---------------|
| 40-501210 | 1,0 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810145 |
| 40-501218 | 1,8 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810152 |
| 40-501223 | 2,3 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224809897 |

Technical specifications and diagrams of tinned copper coils - page 40.

For SGW(S)B Tower Biwal Slim water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet:  
- for types up to 300 (small titanium anode).  
- for types between 700 and 1000 (large dual titanium anode).



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



pic. 19  
SGW(S)B Tower Biwal Slim  
in Neodul® insulation

▶ Galmet water tanks are subjected to random stress tests for **20,000** hydraulic impacts with a pressure of  $1.5 \times$  their working pressure (in accordance with the EN 12897: 2007 norm).

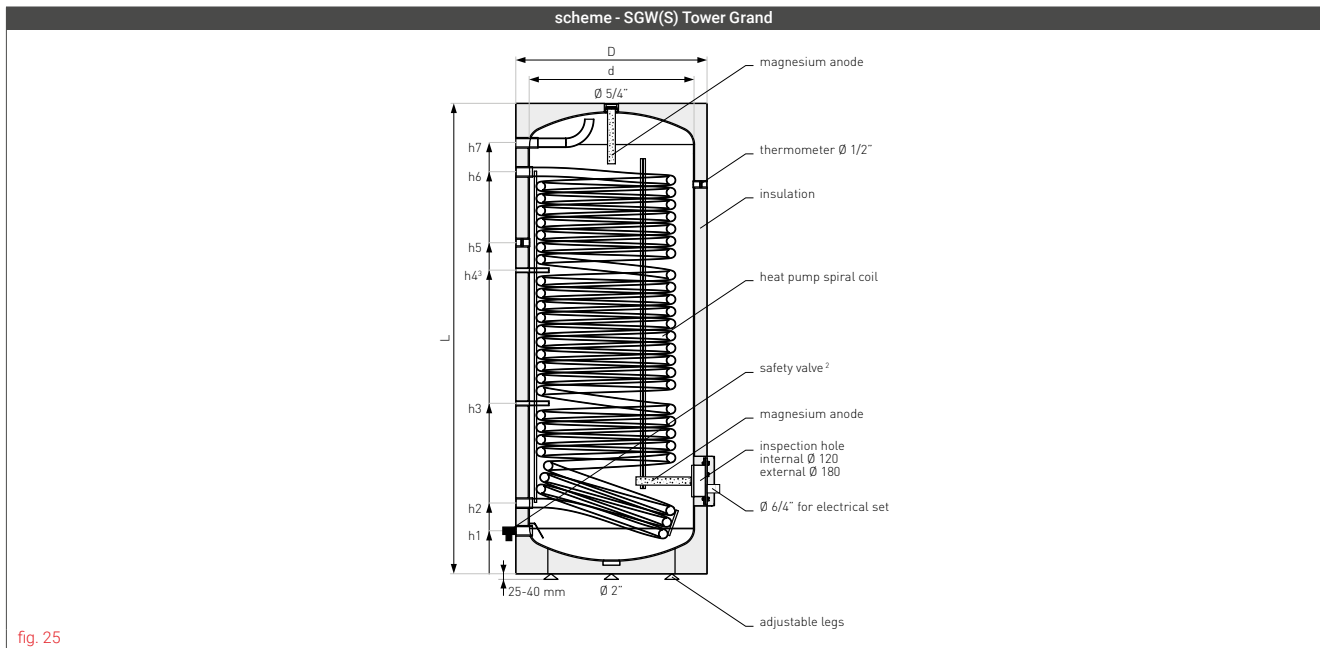
\* Details in the warranty card.

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.

# INDIRECT WATER HEATERS WITH LARGE SPIRAL COIL FOR HEAT PUMPS - TYPE SGW(S) TOWER GRAND

Technical specification - SGW(S) Tower Grand

| specification                           | unit              | SGW(S) Tower Grand |           |           |            |            |            |
|---|-------------------|--------------------|-----------|-----------|------------|------------|------------|
|   |                   | 160                | 200       | 250       | 300        | 400        | 500        |
| storage capacity <sup>1</sup>           | l                 | 160                | 193       | 241       | 297        | 386        | 484        |
| ErP  polyurethane foam                  | -                 | B                  | B         | B         | B          | C          | B          |
| tank's maximum working pressure         | MPa               | 1,0                | 1,0       | 1,0       | 1,0        | 1,0        | 1,0        |
| coil's maximum working pressure         | MPa               | 1,6                | 1,6       | 1,6       | 1,6        | 1,6        | 1,6        |
| 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                          | m <sup>2</sup>    | 1,4                | 2,0       | 2,4       | 2,7        | 3,8        | 4,3        |
| coil's capacity                         | l                 | 9,8                | 14,0      | 17,0      | 18,9       | 26,5       | 30,5       |
| coil's power (80/10/45°C)               | kW                | 44,8               | 50,0      | 56,4      | 64,0       | 91,0       | 102,0      |
| coil's power (80/10/60°C)               | kW                | 28,0               | 40,0      | 48,8      | 55,0       | 77,5       | 87,0       |
| coil's power (50/10/45°C)               | kW                | 10,0               | 14,0      | 16,8      | 19,0       | 28,0       | 31,0       |
| coil's efficiency (80/10/60°C)          | l/h               | 485                | 693       | 832       | 953        | 1342       | 1507       |
| demand for heating water from CH boiler | m <sup>3</sup> /h | 3,0                | 3,0       | 3,0       | 3,0        | 3,0        | 3,0        |
| magnesium top cover (5/4" plug)         | mm                | 38x200             | 38x400    | 38x400    | 38x400     | 38x400     | 38x600     |
| anode insp. hole (M8 screw)             | mm                | 38x200             | 38x200    | 38x200    | 38x200     | 38x400     | 38x200     |
| h1 - cold water inflow (int. thread)    | " / mm            | 1 / 130            | 1 / 130   | 1 / 130   | 1 / 130    | 1 / 155    | 1 / 180    |
| h2 - CH water outflow (int. thread)     | " / mm            | 1 / 205            | 1 / 205   | 1 / 210   | 1 / 205    | 1 / 255    | 1 / 280    |
| h3 - sensor cover I (Ø)                 | " / mm            | 3/8 / 370          | 3/8 / 425 | 3/8 / 570 | 3/8 / 435  | 3/8 / 615  | 3/8 / 560  |
| h4 - sensor cover II (Ø) <sup>3</sup>   | " / mm            | -                  | -         | -         | 3/8 / 1050 | 3/8 / 1095 | 3/8 / 1260 |
| h5 - circulation (int. thread)          | " / mm            | 3/4 / 555          | 3/4 / 655 | 3/4 / 860 | 3/4 / 1145 | 3/4 / 1195 | 5/4 / 1370 |
| h6 - CH hot water inflow (int. thread)  | " / mm            | 1 / 685            | 1 / 900   | 1 / 1080  | 1 / 1250   | 1 / 1450   | 1 / 1615   |
| h7 - DHW outflow (int. thread)          | " / mm            | 1 / 760            | 1 / 975   | 1 / 1160  | 1 / 1355   | 1 / 1555   | 1 / 1735   |
| d - internal diameter                   | mm                | 550                | 550       | 550       | 550        | 600        | 630        |
| D - external diameter                   | mm                | 670                | 670       | 670       | 670        | 700        | 755        |
| L - height                              | mm                | 920                | 1140      | 1300      | 1615       | 1750       | 1950       |
| net weight                              | kg                | 76                 | 95        | 114       | 125        | 185        | 235        |



<sup>1</sup> According to the (EU) 812/2013, 814/2013.  
<sup>2</sup> Included with the device for self-assembly.  
<sup>3</sup> Applies to SGW(S) Tower Grand 300-500.



pic. 20  
SGW(S) Tower Grand

## SGW(S) Tower Grand

| cat. no.   | type | description  | EAN code      |
|------------|------|--|---------------|
| 26-168177  | 160  |  | 5901224579875 |
| 26-208177  | 200  |  | 5901224576454 |
| 26-258177  | 250  | large spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224582950 |
| 26-308177N | 300  |  | 5901224578472 |
| 26-408177N | 400  |  | 5901224583964 |
| 26-504177N | 500  |  | 5901224579776 |

For SGW(S) Tower Grand water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types up to 250 (small titanium anode).
- for types between 300 and 500 (large single titanium anode).

## Advantages of the SGW(S) Tower Grand

- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ For inverter and on-off heat pumps.
- ▶ Spiral coil along the entire height of the tank.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



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

## Comparison of the coils' surfaces

| type | coil's surface [m <sup>2</sup> ] |                    |             |       |                      |
|------|----------------------------------|--------------------|-------------|-------|----------------------|
|      | SGW(S) Tower                     | SGW(S) Tower Grand | SGW(S) Maxi | SG(B) | SG(B) for heat pumps |
| 160  | -                                | 1,4                | -           | -     | -                    |
| 200  | 1,4                              | 2,0                | -           | 1,4   | 2,0                  |
| 250  | 1,4                              | 2,4                | 3,0         | -     | 3,0                  |
| 300  | 1,4                              | 2,7                | 3,8         | 1,4   | 3,8                  |
| 400  | 1,8                              | 3,8                | 5,0         | 1,8   | 6,0                  |
| 500  | 2                                | 4,3                | 6,0         | 2,5   | 7,5                  |
| 700  | 2,4                              | -                  | 6,5         | -     | -                    |
| 800  | -                                | -                  | 9,0         | 3,0   | 9,0                  |
| 1000 | 2,7                              | -                  | 12,0        | 3,5   | 12,0                 |

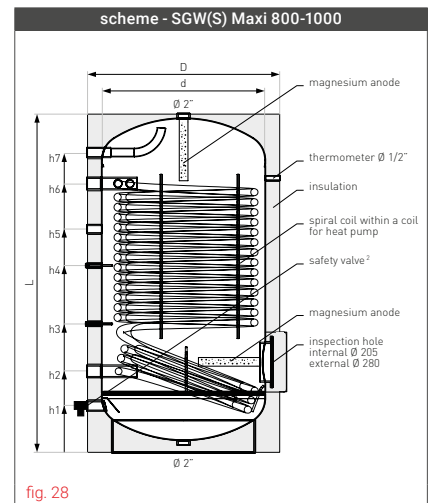
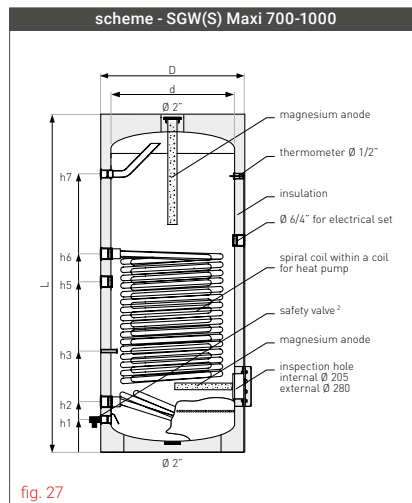
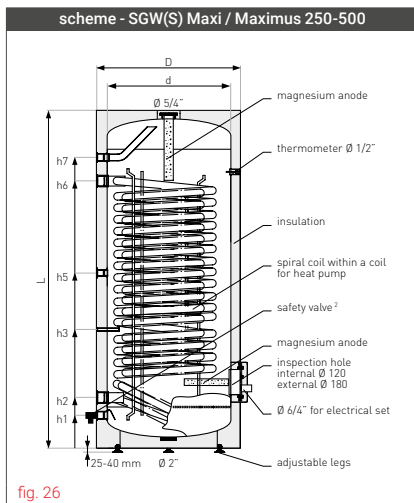
\* Details in the warranty card.

# INDIRECT WATER HEATERS WITH THE MAXIMUM SIZE SPIRAL COIL FOR HEAT PUMPS

## TYPE SGW(S) MAXIMUS, SGW(S) MAXI

Technical specification - SGW(S) Maximus / SGW(S) Maxi

| specification                           | unit                  | SGW(S) Maximus |           |            |            | SGW(S) Maxi |            |                   |                   |                   |        |
|---|-----------------------|----------------|-----------|------------|------------|-------------|------------|-------------------|-------------------|-------------------|--------|
|   |                       | 300            | 250       | 300        | 400        | 500         | 700        | 1000              | 800               | 1000              |        |
| storage capacity <sup>1</sup>           | l                     | 257            | 236       | 284        | 376        | 471         | 657        | 973               | 880               | 985               |        |
| ErP                                     | polyurethane foam     | B              | B         | B          | C          | B           | C          | -                 | -                 | -                 |        |
|   | Neodul®               | -              | -         | -          | -          | -           | -          | C                 | C                 | C                 |        |
| tank's maximum working pressure         | MPa                   | 1,0            | 1,0       | 1,0        | 1,0        | 1,0         | 1,0        | 1,0               | 1,0               | 1,0               |        |
| coil's maximum working pressure         | MPa                   | 1,6            | 1,6       | 1,6        | 1,6        | 1,6         | 1,6        | 1,6               | 1,6               | 1,6               |        |
| tank's maximum working temperature      | °C                    | 95             | 95        | 95         | 95         | 95          | 95         | 95                | 95                | 95                |        |
| coil's maximum working temperature      | °C                    | 110            | 110       | 110        | 110        | 110         | 110        | 110               | 110               | 110               |        |
| coil's surface                          | m <sup>2</sup>        | 3,8            | 3,0       | 3,8        | 5,0        | 6,0         | 6,5        | 6,5               | 9,0               | 12,0              |        |
| coil's capacity                         | l                     | 26,5           | 20,9      | 26,5       | 34,9       | 41,9        | 45,4       | 45,4              | 76,0              | 101,0             |        |
| coil's power (80/10/45°C)               | kW                    | 91             | 71,5      | 91         | 108        | 114         | 138        | 138               | 182               | 240               |        |
| coil's power (80/10/60°C)               | kW                    | 77,5           | 61        | 77,5       | 89         | 99          | 108        | 108               | -                 | -                 |        |
| coil's efficiency (80/10/45°C)          | l/h                   | -              | -         | -          | -          | -           | -          | -                 | 4500              | 5900              |        |
| coil's efficiency (80/10/60°C)          | l/h                   | 1363           | 1072      | 1363       | 1460       | 1724        | 1894       | 1886              | -                 | -                 |        |
| heat pump coil's power (50/10/45°C)     | kW                    | 28             | 22        | 28         | 37         | 39          | 40         | 40                | 62                | 80                |        |
| demand for heating water from CH boiler | m <sup>3</sup> /h     | 3,0            | 3,0       | 3,0        | 3,0        | 3,0         | 3,0        | 3,0               | 3,0               | 3,0               |        |
| magnesium anode                         | top cover (5/4" plug) | mm             | 38x600    | 38x600     | 38x600     | 38x600      | 38x600     | -                 | -                 | -                 |        |
|   | top cover (2" plug)   | mm             | -         | -          | -          | -           | -          | 38x600            | 38x600            | 40x850            | 40x850 |
|   | insp. hole (M8 screw) | mm             | 38x200    | 38x200     | 38x200     | 38x200      | 38x400     | 38x400            | 38x600            | 38x600            | 38x600 |
| h1 - cold water inflow (int. thread)    | " / mm                | 1 / 130        | 1 / 130   | 1 / 130    | 1 / 150    | 1 / 180     | 6/4 / 215  | 6/4 / 245         | 6/4 / 255         | 6/4 / 255         |        |
| h2 - CH water outflow (int. thread)     | " / mm                | 5/4 / 215      | 5/4 / 215 | 5/4 / 215  | 5/4 / 235  | 5/4 / 265   | 5/4 / 395  | 5/4 / 445         | 2 / 445           | 2 / 445           |        |
| h3 - sensor cover I (Ø)                 | " / mm                | 3/8 / 550      | 3/8 / 385 | 3/8 / 550  | 3/8 / 560  | 3/8 / 610   | 3/8 / 755  | 3/8 / 745         | 1/2 / 705         | 1/2 / 705         |        |
| h4 - sensor cover II (Ø)                | " / mm                | -              | -         | -          | -          | -           | -          | -                 | 1/2 / 1025        | 1/2 / 1050        |        |
| h5 - circulation (int. thread)          | " / mm                | 3/4 / 770      | 3/4 / 770 | 3/4 / 770  | 3/4 / 840  | 3/4 / 870   | 5/4 / 1175 | 5/4 / 1075        | 5/4 / 1225        | 5/4 / 1375        |        |
| h6 - CH hot water inflow (int. thread)  | " / mm                | 5/4 / 1035     | 5/4 / 895 | 5/4 / 1035 | 5/4 / 1285 | 5/4 / 1415  | 5/4 / 1355 | 5/4 / 1195        | 2 / 1475          | 2 / 1695          |        |
| h7 - DHW outflow (int. thread)          | " / mm                | 1 / 1240       | 1 / 1080  | 1 / 1355   | 1 / 1475   | 1 / 1650    | 6/4 / 1715 | 6/4 / 1575        | 6/4 / 1625        | 6/4 / 1845        |        |
| d - internal diameter                   | mm                    | 550            | 550       | 550        | 600        | 630         | 700        | 900               | 900               | 900               |        |
| D - external diameter                   | mm                    | -              | 670       | 670        | 700        | 755         | 855        | 1060 <sup>3</sup> | 1060 <sup>3</sup> | 1060 <sup>3</sup> |        |
| L - height                              | mm                    | -              | 1300      | 1615       | 1750       | 1950        | 2050       | 2020 <sup>3</sup> | 1935 <sup>3</sup> | 2135 <sup>3</sup> |        |
| dimensions of the Maximus water heater  | height                | mm             | 1550      | -          | -          | -           | -          | -                 | -                 | -                 |        |
|   | depth                 | mm             | 770       | -          | -          | -           | -          | -                 | -                 | -                 |        |
|   | width                 | mm             | 670       | -          | -          | -           | -          | -                 | -                 | -                 |        |
| height when tilted                      | mm                    | -              | -         | -          | -          | -           | 2220       | 2230              | 2080              | 2340              |        |
| net weight                              | kg                    | 180            | 127       | 148        | 215        | 247         | 307        | 398               | 454               | 521               |        |



<sup>1</sup> According to the (EU) 812/2013, 814/2013.  
<sup>2</sup> Included with the device for self-assembly.  
<sup>3</sup> Neodul® (detachable).





## SGW(S) Maxi

| cat. no.   | type | description  | EAN code      |
|------------|------|--|---------------|
| 26-258170  | 250  |  | 5901224537721 |
| 26-308170N | 300  |  | 5901224567667 |
| 26-408170N | 400  | maximum size spiral coil 3,0-6,5 m <sup>2</sup> , polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode              | 5901224564680 |
| 26-504170N | 500  |  | 5901224583988 |
| 26-704170N | 700  |  | 5901224584008 |
| 36-104770N | 1000 | maximum size spiral coil 6,5 m <sup>2</sup> , detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode      | 5901224584091 |
| 26-804870N | 800  | maximum size spiral coil 9,0-12,0 m <sup>2</sup> , detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224584121 |
| 36-104870N | 1000 |  | 5901224584145 |

For SGW(S) Maxi water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types up to 250 (small titanium anode).
- for types between 300 and 500 (large single titanium anode).
- for types between 700 and 1000 (large dual titanium anode).
- for types 800 9 m<sup>2</sup> and 1000 12 m<sup>2</sup> (Maxi dual titanium anode).

## SGW(S) Maximus (recommended for the Maxima heat pumps)

| cat. no.  | type | description   | EAN code      |
|-----------|------|---|---------------|
| 26-308870 | 300  | maximum size spiral coil, polyurethane foam, black & white metal casing, electric heater, EXTRA GLASS® ceramic enamel, titanium anode | 5901224540066 |

## Advantages of the SGW(S) Maxi

- ▶ Maximum size spiral coil dedicated for heat pumps.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



pic. 22  
SGW(S) Maximus

pic. 21  
SGW(S) Maxi



pic. 23  
maximum size  
spiral coil  
bent in two diameters



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



**Maximum size heat exchanger**, the so-called „coil within a coil” - a bent tube in two diameters, a larger one and a smaller one inside the first one.

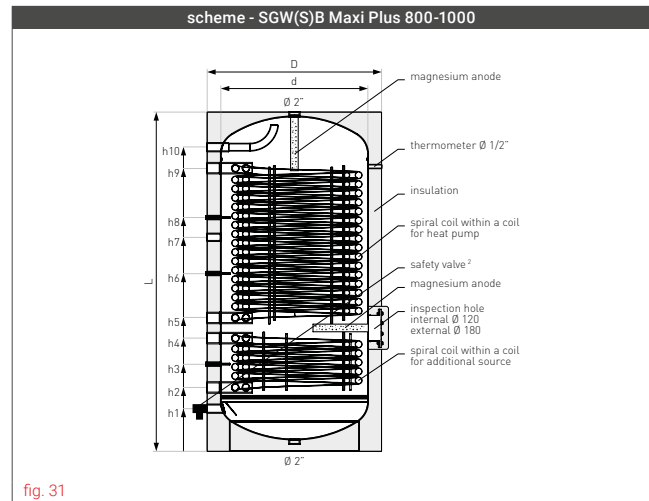
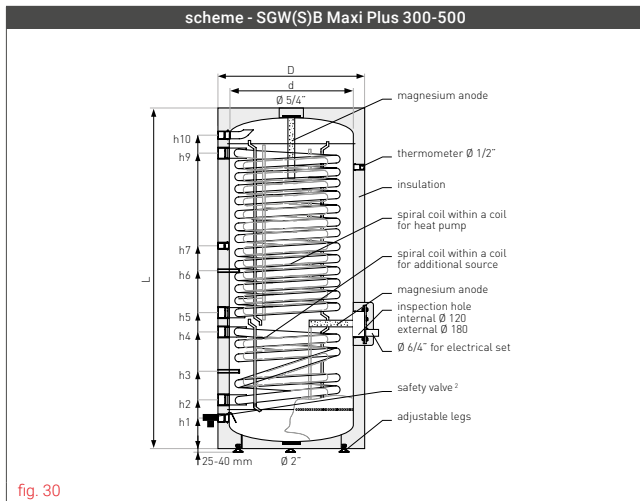
\* Details in the warranty card.

# INDIRECT WATER HEATERS WITH TWO MAXIMUM SIZE SPIRAL COILS FOR HEAT PUMPS

## TYPE SGW(S)B MAXI PLUS

Technical specification - SGW(S)B Maxi Plus

| specification                               | unit                  | SGW(S)B Maxi Plus |             |             |             |             |
|---|-----------------------|-------------------|-------------|-------------|-------------|-------------|
|   |                       | 300               | 400         | 500         | 800         | 1000        |
| storage capacity <sup>1</sup>               | l                     | 293               | 373         | 465         | 880         | 985         |
| ErP   | polyurethane foam     | B                 | C           | B           | -           | -           |
|   | Neodul®               | -                 | -           | -           | C           | C           |
| tank's maximum working pressure             | MPa                   | 1,0               | 1,0         | 1,0         | 1,0         | 1,0         |
| coil's maximum working pressure             | MPa                   | 1,6               | 1,6         | 1,6         | 1,6         | 1,6         |
| tank's maximum working temperature          | °C                    | 95                | 95          | 95          | 95          | 95          |
| coil's maximum working temperature          | °C                    | 110               | 110         | 110         | 110         | 110         |
| solar collector / heat pump coil's surface  | m <sup>2</sup>        | 1,0 / 2,2         | 1,5 / 3,8   | 1,8 / 4,8   | 2,0 / 7,5   | 3,0 / 9,0   |
| solar collector / heat pump coil's capacity | l                     | 7,0 / 15,4        | 10,5 / 26,5 | 12,6 / 33,5 | 17,0 / 64,0 | 26,0 / 76,0 |
| solar collector coil's power (80/10/45°C)   | kW                    | 26                | 34          | 38          | 64          | 71,5        |
| heat pump coil's power (50/10/45°C)         | kW                    | 22,5              | 28,5        | 35          | 52          | 62          |
| demand for heating water from CH boiler     | m <sup>3</sup> /h     | 1,6 / 1,6         | 1,9 / 1,9   | 1,9 / 1,9   | 3,0 / 3,0   | 3,0 / 3,0   |
| magnesium anode                             | top cover (5/4" plug) | mm                | 38x600      | 38x600      | 38x600      | -           |
|   | top cover (2" plug)   | mm                | -           | -           | -           | 40x850      |
|   | insp. hole (M8 screw) | mm                | 38x200      | 38x200      | 38x400      | 38x600      |
| h1 - cold water inflow (int. thread)        | " / mm                | 1 / 130           | 1 / 160     | 1 / 180     | 6/4 / 255   | 6/4 / 255   |
| h2 - CH water outflow I (int. thread)       | " / mm                | 5/4 / 215         | 5/4 / 245   | 5/4 / 265   | 2 / 385     | 2 / 385     |
| h3 - sensor cover I (Ø)                     | " / mm                | 3/8 / 335         | 3/8 / 425   | 3/8 / 410   | 1/2 / 510   | 1/2 / 525   |
| h4 - CH hot water inflow I (int. thread)    | " / mm                | 5/4 / 495         | 5/4 / 565   | 5/4 / 645   | 2 / 630     | 2 / 685     |
| h5 - CH water outflow II (int. thread)      | " / mm                | 5/4 / 615         | 5/4 / 675   | 5/4 / 755   | 2 / 755     | 2 / 805     |
| h6 - sensor cover II (Ø)                    | " / mm                | 3/8 / 835         | 3/8 / 835   | 3/8 / 960   | 1/2 / 955   | 1/2 / 1075  |
| h7 - circulation (int. thread)              | " / mm                | 3/4 / 935         | 3/4 / 955   | 3/4 / 1265  | 5/4 / 1125  | 5/4 / 1295  |
| h8 - sensor cover III (Ø)                   | " / mm                | -                 | -           | -           | 1/2 / 1295  | 1/2 / 1415  |
| h9 - CH hot water inflow II (int. thread)   | " / mm                | 5/4 / 1095        | 5/4 / 1405  | 5/4 / 1645  | 2 / 1495    | 2 / 1845    |
| h10 - DHW outflow (int. thread)             | " / mm                | 1 / 1355          | 1 / 1560    | 1 / 1730    | 6/4 / 1625  | 6/4 / 2060  |
| d - internal diameter                       | mm                    | 550               | 600         | 630         | 900         | 900         |
| D - external diameter                       | mm                    | 670               | 700         | 755         | 1060        | 1060        |
| L - height                                  | mm                    | 1615              | 1750        | 1950        | 1935        | 2135        |
| height when tilted                          | mm                    | -                 | -           | -           | 2080        | 2340        |
| net weight                                  | kg                    | 144               | 217         | 255         | 455         | 520         |



<sup>1</sup> According to the (EU) 812/2013, 814/2013.  
<sup>2</sup> Included with the device for self-assembly.  
<sup>3</sup> Neodul® (detachable).



pic. 24  
SGW(S)B Maxi Plus



pic. 25  
maximum size  
spiral coil  
bent in two diameters

## SGW(S)B Maxi Plus

| cat. no.   | type | description   | EAN code      |
|------------|------|---|---------------|
| 26-309170N | 300  | two maximum size spiral coils 2,2/1,0 m <sup>2</sup> - 4,8/1,8 m <sup>2</sup> , polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224572098 |
| 26-409170N | 400  |   | 5901224581335 |
| 26-509170N | 500  | two maximum size spiral coils 7,5/2,0 m <sup>2</sup> - 9,0/3,0 m <sup>2</sup> , detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224584039 |
| 26-809170N | 800  |   | 5901224584169 |
| 36-109170N | 1000 |   | 5901224584183 |

Water heaters for central heating systems and solar collectors.

For SGW(S)B Maxi Plus water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types up to 500 (large single titanium anode).
- for types 800 and 1000 (Maxi dual titanium anode).

### Advantages of the SGW(S)B Maxi Plus

- ▶ Two maximum size spiral coils (ability to connect several heat sources, f.ex. heat pump, solar collectors, CH boiler).
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



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



**Maximum size heat exchanger**, the so-called „coil within a coil” - a bent tube in two diameters, a larger one and a smaller one inside the first one.

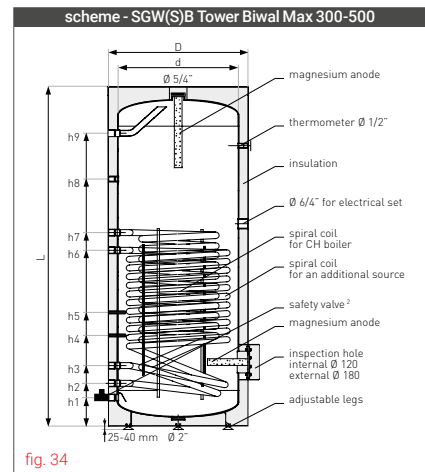
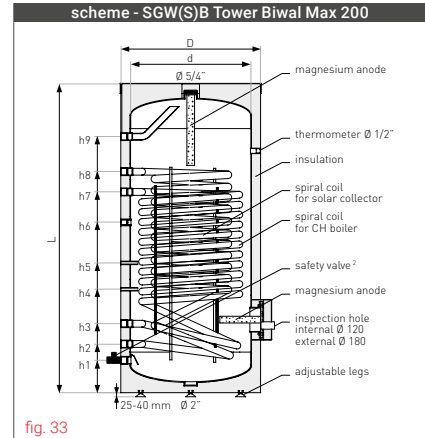
\* Details in the warranty card.

# INDIRECT WATER HEATERS WITH TWO AND THREE SPIRAL COILS

## TYPE SGW(S)B TOWER BIWAL MAX, SGW(S)M TOWER MULTI

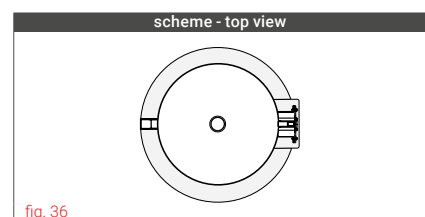
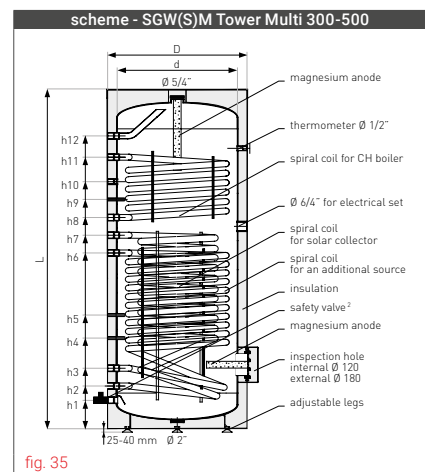
Technical specification - SGW(S)B Tower Biwal Max with two spiral coils in the lower part of the tank

| specification                             | unit              | SGW(S)B Tower Biwal Max           |            |            |            |
|---|-------------------|-----------------------------------|------------|------------|------------|
|   |                   | 200                               | 300        | 400        | 500        |
| storage capacity <sup>1</sup>             | l                 | 197                               | 300        | 396        | 497        |
| ErP  polyurethane foam                    | -                 | B                                 | B          | C          | B          |
| tank's maximum working pressure           | MPa               | 1,0                               | 1,0        | 1,0        | 1,0        |
| coil's maximum working pressure           | MPa               | 1,6                               | 1,6        | 1,6        | 1,6        |
| tank's maximum working temperature        | °C                | 100                               | 100        | 100        | 100        |
| coil's maximum working temperature        | °C                | 110                               | 110        | 110        | 110        |
| coil's surface I                          | m <sup>2</sup>    | 1,0                               | 1,0        | 1,8        | 2,0        |
| coil's capacity I                         | l                 | 7,0                               | 7,0        | 12,6       | 14,0       |
| coil's power I (70/10/45°)                | kW                | 24                                | 24         | 43         | 48         |
| coil's efficiency I (70/10/45°)           | l/h               | 570                               | 570        | 1030       | 1150       |
| coil's power I (80/10/45°C)               | kW                | 32                                | 32         | 57,6       | 64         |
| coil's efficiency I (80/10/45°C)          | l/h               | 760                               | 760        | 1380       | 1530       |
| coil's surface II                         | m <sup>2</sup>    | 1,0                               | 1,0        | 1,0        | 1,0        |
| coil's capacity II                        | l                 | 7,0                               | 7,0        | 7,0        | 7,0        |
| coil's power II (70/10/45°C)              | kW                | 24                                | 24         | 24         | 24         |
| coil's efficiency II (70/10/45°C)         | l/h               | 570                               | 570        | 570        | 570        |
| coil's power II (80/10/45°C)              | kW                | 32                                | 32         | 32         | 32         |
| coil's efficiency II (80/10/45°C)         | l/h               | 760                               | 760        | 760        | 760        |
| demand for heating water from CH boiler   | m <sup>3</sup> /h | 2,7                               | 2,7        | 3,0        | 3,0        |
| magnesium top cover (5/4" plug)           | mm                | 38x400                            | 38x400     | 38x400     | 38x600     |
| anode insp. hole (M8 screw)               | mm                | 38x200                            | 38x200     | 38x400     | 38x400     |
| h1 - cold water inflow (int. thread)      | "/ mm             | 1 / 130                           | 1 / 130    | 1 / 160    | 1 / 180    |
| h2 - CH water outflow I (int. thread)     | "/ mm             | 1 / 210                           | 1 / 210    | 1 / 240    | 1 / 255    |
| h3 - CH water outflow II (int. thread)    | "/ mm             | 1 / 280                           | 1 / 290    | 1 / 325    | 1 / 355    |
| h4 - sensor cover I (Ø)                   | "/ mm             | 3/8 / 380                         | 3/8 / 390  | 3/8 / 475  | 3/8 / 525  |
| h5 - sensor cover II (Ø)                  | "/ mm             | 3/8 / 480                         | 3/8 / 490  | 3/8 / 625  | 3/8 / 655  |
| h6 - CH hot water inflow II (int. thread) | "/ mm             | 1 / 580 (circulation)             | 1 / 670    | 1 / 905    | 1 / 1005   |
| h7 - CH hot water inflow I (int. thread)  | "/ mm             | 1 / 660 (CH hot water inflow II)  | 1 / 750    | 1 / 990    | 1 / 1105   |
| h8 - circulation (int. thread)            | "/ mm             | 3/4 / 750 (CH hot water inflow I) | 3/4 / 1080 | 3/4 / 1290 | 3/4 / 1390 |
| h9 - DHW outflow (int. thread)            | "/ mm             | 1 / 895                           | 1 / 1365   | 1 / 1560   | 1 / 1645   |
| d - internal diameter                     | mm                | 550                               | 550        | 600        | 630        |
| D - external diameter                     | mm                | 670                               | 670        | 700        | 755        |
| L - height                                | mm                | 1140                              | 1615       | 1750       | 1950       |
| net weight                                | kg                | 98                                | 118        | 157        | 176        |



Technical specification - SGW(S)M Tower Multi with 3 spiral coils

| specification                               | unit              | SGW(S)M Tower Multi |            |            |
|---|-------------------|---------------------|------------|------------|
|   |                   | 300                 | 400        | 500        |
| storage capacity <sup>1</sup>               | l                 | 295                 | 391        | 488        |
| ErP  polyurethane foam                      | -                 | B                   | C          | B          |
| tank's maximum working pressure             | MPa               | 1,0                 | 1,0        | 1,0        |
| coil's maximum working pressure             | MPa               | 1,6                 | 1,6        | 1,6        |
| tank's maximum working temperature          | °C                | 95                  | 95         | 95         |
| coil's maximum working temperature          | °C                | 110                 | 110        | 110        |
| coil's surface I                            | m <sup>2</sup>    | 1,0                 | 1,8        | 2,0        |
| coil's capacity I                           | l                 | 7,0                 | 12,6       | 14,0       |
| coil's power I (70/10/45°)                  | kW                | 24                  | 43         | 48         |
| coil's efficiency I (70/10/45°)             | l/h               | 570                 | 1030       | 1150       |
| coil's power I (80/10/45°C)                 | kW                | 32                  | 57,6       | 64         |
| coil's efficiency I (80/10/45°C)            | l/h               | 760                 | 1380       | 1530       |
| coil's surface II                           | m <sup>2</sup>    | 1,0                 | 1,0        | 1,0        |
| coil's capacity II                          | l                 | 7,0                 | 7,0        | 7,0        |
| coil's power II (70/10/45°C)                | kW                | 24                  | 24         | 24         |
| coil's efficiency II (70/10/45°C)           | l/h               | 570                 | 570        | 570        |
| coil's power II (80/10/45°C)                | kW                | 32                  | 32         | 32         |
| coil's efficiency II (80/10/45°C)           | l/h               | 760                 | 760        | 760        |
| coil's surface III                          | m <sup>2</sup>    | 0,7                 | 1,1        | 1,1        |
| coil's capacity III                         | l                 | 4,9                 | 7,7        | 7,7        |
| coil's power III (70/10/45°C)               | kW                | 17                  | 26,4       | 26,4       |
| coil's efficiency III (70/10/45°C)          | l/h               | 410                 | 630        | 630        |
| coil's power III (80/10/45°C)               | kW                | 22                  | 35         | 35         |
| coil's efficiency III (80/10/45°C)          | l/h               | 540                 | 840        | 840        |
| demand for heating water from CH boiler     | m <sup>3</sup> /h | 2,7                 | 3,0        | 3,0        |
| magnesium top cover (5/4" plug)             | mm                | 38x400              | 38x400     | 38x600     |
| anode insp. hole (M8 screw)                 | mm                | 38x200              | 38x400     | 38x400     |
| h1 - cold water inflow (int. thread)        | "/ mm             | 1 / 130             | 1 / 160    | 1 / 180    |
| h2 - CH water outflow I (int. thread)       | "/ mm             | 1 / 210             | 1 / 240    | 1 / 255    |
| h3 - CH water outflow II (int. thread)      | "/ mm             | 1 / 290             | 1 / 325    | 1 / 355    |
| h4 - sensor cover I (Ø)                     | "/ mm             | 3/8 / 390           | 3/8 / 475  | 3/8 / 525  |
| h5 - sensor cover II (Ø)                    | "/ mm             | 3/8 / 490           | 3/8 / 625  | 3/8 / 655  |
| h6 - CH hot water inflow II (int. thread)   | "/ mm             | 1 / 670             | 1 / 905    | 1 / 1005   |
| h7 - CH hot water inflow I (int. thread)    | "/ mm             | 1 / 750             | 1 / 990    | 1 / 1105   |
| h8 - CH water outflow III (int. thread)     | "/ mm             | 1 / 880             | 1 / 1090   | 1 / 1205   |
| h9 - sensor cover III (Ø)                   | "/ mm             | 3/8 / 980           | 3/8 / 1190 | 3/8 / 1305 |
| h10 - circulation (int. thread)             | "/ mm             | 3/4 / 1080          | 3/4 / 1290 | 3/4 / 1405 |
| h11 - CH hot water inflow III (int. thread) | "/ mm             | 1 / 1160            | 1 / 1410   | 1 / 1545   |
| h12 - DHW outflow (int. thread)             | "/ mm             | 1 / 1350            | 1 / 1600   | 1 / 1645   |
| d - internal diameter                       | mm                | 550                 | 600        | 630        |
| D - external diameter                       | mm                | 670                 | 700        | 755        |
| L - height                                  | mm                | 1615                | 1750       | 1950       |
| net weight                                  | kg                | 130                 | 175        | 193        |



<sup>1</sup> According to the (EU) 812/2013, 814/2013.

<sup>2</sup> Included with the device for self-assembly.



## SGW(S)B Tower Biwal Max

| cat. no.   | type | description  | EAN code      |
|------------|------|--|---------------|
| 26-205000  | 200  |  | 5901224543333 |
| 26-305000N | 300  | two spiral coils in the lower part of the tank, polyurethane foam, artificial leather, | 5901224557354 |
| 26-405000N | 400  | EXTRA GLASS® ceramic enamel, magnesium anode   | 5901224557361 |
| 26-505000N | 500  |  | 5901224557378 |

## SGW(S)M Tower Multi

| cat. no.   | type | description   | EAN code      |
|------------|------|---|---------------|
| 26-303000N | 300  | three spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic | 5901224557392 |
| 26-403000N | 400  | enamel, magnesium anode   | 5901224557408 |
| 26-503000N | 500  |   | 5901224557415 |

For SGW(S)B Maxi Plus water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types up to 200 (small single titanium anode).
- for types between 300 and 500 (large single titanium anode)



pic. 26  
SGW(S)B Tower Biwal Max  
with two spiral coils  
in the lower part of the tank

### Advantages of the SGW(S)M Tower Multi

- ▶ Three spiral coils (three separate circuits).
- ▶ Ability to connect several heat sources.
- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



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



pic. 27  
SGW(S)M Tower Multi  
with three spiral coils

▶ Extended life of the 100-500 water tanks (for both without and with a spiral coil, as well as for those with 2 or 3 spiral coils) thanks to the use of an anti-corrosion **DIELECTRIC PROTECTION®** in cold water, hot water and circulation connections.

▶ By using the **SGW(S)M Tower Multi** multivalent water heater (with three spiral coils) the user has as much as **4,1 m<sup>2</sup>** of an exchanger's surface.

\* Details in the warranty card.

# COMBINED HEAT ACCUMULATION VESSELS

## TYPE SG(K) KUMULO

Technical specification - SG(K) Kumulo with one or two spiral coils

| specification  | unit              | SG(K) Kumulo with one or two spiral coils |            |            |            |                   |                   |
|--|-------------------|---|------------|------------|------------|-------------------|-------------------|
|  |                   | 300/80                                    | 380/120    | 500/160    | 600/200    | 800/200           | 1000/200          |
| storage cap. of the heating sys. water tank                | l                 | 220                                       | 260        | 340        | 400        | 600               | 800               |
| storage capacity of the DHW tank                           | l                 | 80  | 120        | 160        | 200        | 200               | 200               |
| ErP  | polyurethane foam | B   | B          | C          | C          | -                 | -                 |
|  | Neodul®           | -   | -          | -          | -          | C                 | C                 |
| circulation water tank / DHW tank maximum working pressure | MPa               | 0,3 / 0,6                                 | 0,3 / 0,6  | 0,3 / 0,6  | 0,3 / 0,6  | 0,3 / 0,6         | 0,3 / 0,6         |
| coil's maximum working pressure                            | MPa               | 0,6                                       | 0,6        | 0,6        | 0,6        | 0,6               | 0,6               |
| tanks / coil's maximum working temperature                 | °C                | 95 / 110                                  | 95 / 110   | 95 / 110   | 95 / 110   | 95 / 110          | 95 / 110          |
| lower coil's surface                                       | m <sup>2</sup>    | 1,6                                       | 2,1        | 2,1        | 2,1        | 2,4               | 2,4               |
| lower coil's capacity                                      | l                 | 11,2                                      | 14,7       | 14,7       | 14,7       | 16,8              | 16,8              |
| upper coil's surface                                       | m <sup>2</sup>    | 0,8                                       | 0,8        | 1,0        | 1,0        | 1,0               | 1,0               |
| upper coil's capacity                                      | l                 | 3,5                                       | 3,5        | 7,0        | 7,0        | 7,0               | 7,0               |
| magnesium anode (5/4" plug)                                | mm                | 38x400                                    | 38x400     | 38x400     | 38x400     | 38x400            | 38x400            |
| h1 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 220                                 | 5/4 / 220  | 5/4 / 305  | 5/4 / 305  | 5/4 / 375         | 5/4 / 375         |
| h2 - CH water outflow (int. thread)                        | " / mm            | 1 / 220                                   | 1 / 220    | 1 / 305    | 1 / 305    | 1 / 365           | 1 / 365           |
| h3 - sensor cover I (Ø)                                    | " / mm            | 3/4 / 520                                 | 3/4 / 600  | 3/4 / 520  | 3/4 / 520  | 3/4 / 665         | 3/4 / 665         |
| h4 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 520                                 | 5/4 / 620  | 5/4 / 665  | 5/4 / 715  | 5/4 / 695         | 5/4 / 775         |
| h5 - CH hot water inflow (int. thread)                     | " / mm            | 1 / 620                                   | 1 / 830    | 1 / 735    | 1 / 735    | 1 / 770           | 1 / 770           |
| h6 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 800                                 | 5/4 / 1040 | 5/4 / 915  | 5/4 / 1015 | 5/4 / 885         | 5/4 / 1065        |
| h7 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 935                                 | 5/4 / 1190 | 5/4 / 965  | 5/4 / 1115 | 5/4 / 945         | 5/4 / 1065        |
| h8 - sensor cover II (Ø)                                   | " / mm            | 3/4 / 960                                 | 3/4 / 1315 | 3/4 / 1115 | 3/4 / 1290 | 3/4 / 1075        | 3/4 / 1265        |
| h9 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 1235                                | 5/4 / 1590 | 5/4 / 1315 | 5/4 / 1515 | 5/4 / 1265        | 5/4 / 1465        |
| h10 - CH boiler water inflow (int. thread)                 | " / mm            | 5/4 / 1240                                | 5/4 / 1590 | 5/4 / 1315 | 5/4 / 1515 | 5/4 / 1265        | 5/4 / 1465        |
| d - internal diameter                                      | mm                | 550                                       | 550        | 700        | 700        | 900               | 900               |
| D - external diameter                                      | mm                | 700                                       | 700        | 855        | 855        | 1055 <sup>4</sup> | 1055 <sup>4</sup> |
| polyurethane foam 70 mm                                    | mm                | 1470                                      | 1840       | 1670       | 1840       | 1650              | 1850              |
| L - height   | mm                | -   | -          | -          | -          | 1960              | 2130              |
| height when tilted   | mm                | -   | -          | -          | -          | 1960              | 2130              |
| net weight (in polyur. foam with 1 coil)                   | kg                | 131                                       | 165        | 192        | 212        | 270               | 306               |

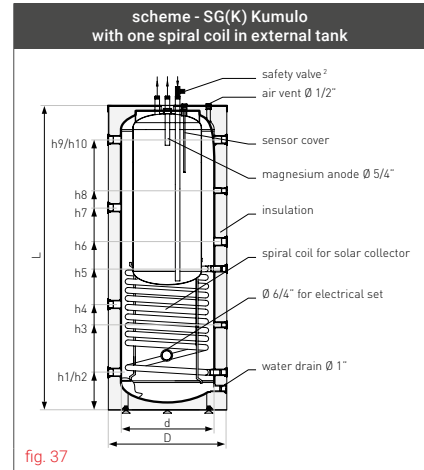


fig. 37

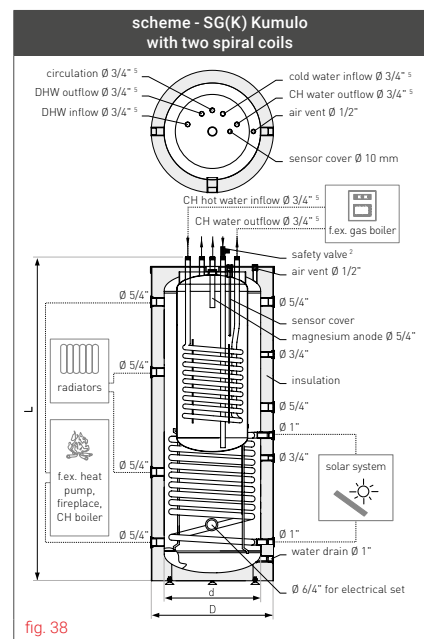


fig. 38

Technical specification - SG(K) Kumulo with one spiral coil in the inner tank or without spiral coils

| specification  | unit              | SG(K) Kumulo with one spiral coil in the inner tank or without spiral coils |            |            |            |                   |                   |
|--|-------------------|---|------------|------------|------------|-------------------|-------------------|
|  |                   | 300/80  | 380/120    | 500/160    | 600/200    | 800/200           | 1000/200          |
| storage cap. of the heating sys. water tank                | l                 | 220   | 260        | 340        | 400        | 600               | 800               |
| storage capacity of the DHW tank                           | l                 | 80  | 120        | 160        | 200        | 200               | 200               |
| ErP  | polyurethane foam | B   | B          | C          | C          | -                 | -                 |
|  | Neodul®           | -   | -          | -          | -          | C                 | C                 |
| circulation water tank / DHW tank maximum working pressure | MPa               | 0,3 / 0,6   | 0,3 / 0,6  | 0,3 / 0,6  | 0,3 / 0,6  | 0,3 / 0,6         | 0,3 / 0,6         |
| coil's maximum working pressure                            | MPa               | 0,6   | 0,6        | 0,6        | 0,6        | 0,6               | 0,6               |
| tanks / coil's maximum working temperature                 | °C                | 95 / 110  | 95 / 110   | 95 / 110   | 95 / 110   | 95 / 110          | 95 / 110          |
| upper coil's surface                                       | m <sup>2</sup>    | 0,8   | 0,8        | 1,0        | 1,0        | 1,0               | 1,0               |
| upper coil's capacity                                      | l                 | 3,5   | 3,5        | 7,0        | 7,0        | 7,0               | 7,0               |
| magnesium anode (5/4" plug)                                | mm                | 38x400  | 38x400     | 38x400     | 38x400     | 38x400            | 38x400            |
| h1 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 220   | 5/4 / 220  | 5/4 / 305  | 5/4 / 305  | 5/4 / 375         | 5/4 / 375         |
| h2 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 220   | 5/4 / 220  | 5/4 / 305  | 5/4 / 305  | 5/4 / 375         | 5/4 / 375         |
| h3 - sensor cover I (Ø)                                    | " / mm            | 3/4 / 305   | 3/4 / 335  | 3/4 / 390  | 3/4 / 405  | 3/4 / 625         | 3/4 / 465         |
| h4 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 390   | 5/4 / 450  | 5/4 / 475  | 5/4 / 505  | 5/4 / 525         | 5/4 / 555         |
| h5 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 580   | 5/4 / 680  | 5/4 / 640  | 5/4 / 710  | 5/4 / 675         | 5/4 / 740         |
| h6 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 730   | 5/4 / 905  | 5/4 / 810  | 5/4 / 945  | 5/4 / 825         | 5/4 / 925         |
| h7 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 900   | 5/4 / 1135 | 5/4 / 980  | 5/4 / 1110 | 5/4 / 975         | 5/4 / 1110        |
| h8 - sensor cover II (Ø)                                   | " / mm            | 3/4 / 900   | 3/4 / 1135 | 3/4 / 980  | 3/4 / 1110 | 3/4 / 975         | 3/4 / 1110        |
| h9 - CH boiler water inflow (int. thread)                  | " / mm            | 5/4 / 1070  | 5/4 / 1365 | 5/4 / 1150 | 5/4 / 1315 | 5/4 / 1125        | 5/4 / 1295        |
| h10 - CH boiler water inflow (int. thread)                 | " / mm            | 5/4 / 1235  | 5/4 / 1590 | 5/4 / 1315 | 5/4 / 1515 | 5/4 / 1275        | 5/4 / 1475        |
| h11 - sensor cover III (Ø)                                 | " / mm            | 3/4 / 1235  | 3/4 / 1590 | 3/4 / 1315 | 3/4 / 1515 | 3/4 / 1275        | 3/4 / 1475        |
| d - internal diameter                                      | mm                | 550   | 550        | 700        | 700        | 900               | 900               |
| D - external diameter                                      | mm                | 700   | 700        | 855        | 855        | 1055 <sup>4</sup> | 1055 <sup>4</sup> |
| polyurethane foam 70 mm                                    | mm                | 1470  | 1840       | 1670       | 1840       | 1620              | 1820              |
| L - height   | mm                | -   | -          | -          | -          | 1960              | 2130              |
| height when tilted   | mm                | -   | -          | -          | -          | 1960              | 2130              |
| net weight   | mm                | 111   | 136        | 165        | 184        | 238               | 274               |

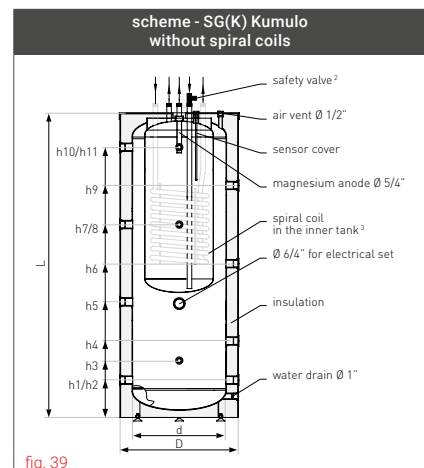


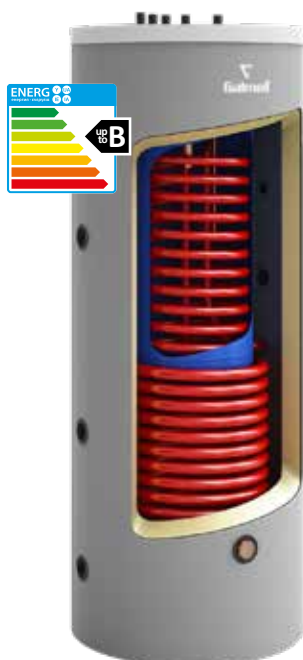
fig. 39

<sup>2</sup> Included with the device for self-assembly.

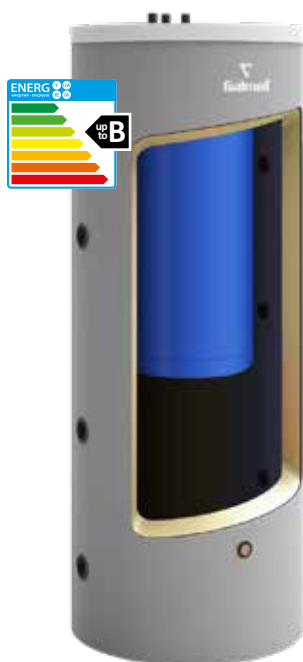
<sup>3</sup> Only in tanks with a spiral coil in the inner tank.

<sup>4</sup> Detachable insulation 80 mm, internal Ø 900 mm.

<sup>5</sup> In types 500/160 or higher vessels with two spiral coils - diameter 1".



pic. 28  
SG(K) Kumulo  
with two spiral coils



pic. 29  
SG(K) Kumulo without spiral coils

## SG(K) Kumulo

| cat. no.  | type     | description   | EAN code      |
|-----------|----------|---|---------------|
| 71-302000 | 300/80   |   | 5901224700019 |
| 71-404000 | 380/120  | spiral coil in the external tank, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224700026 |
| 71-506000 | 500/160  |   | 5901224700033 |
| 71-608000 | 600/200  |   | 5901224700040 |
| 71-808600 | 800/200  | spiral coil in the external tank, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224718588 |
| 71-108600 | 1000/200 |   | 5901224717796 |
| 71-312000 | 300/80   |   | 5901224728006 |
| 71-414000 | 380/120  | spiral coil in the internal tank, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224728013 |
| 71-516000 | 500/160  |   | 5901224727986 |
| 71-618000 | 600/200  |   | 5901224728020 |
| 71-818600 | 800/200  | spiral coil in the internal tank, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224736063 |
| 71-118600 | 1000/200 |   | 5901224731358 |
| 72-302000 | 300/80   |   | 5901224701856 |
| 72-404000 | 380/120  | two spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode                             | 5901224701887 |
| 72-506000 | 500/160  |   | 5901224700255 |
| 72-608000 | 600/200  |   | 5901224701283 |
| 72-808600 | 800/200  | two spiral coils, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode                 | 5901224716546 |
| 72-108600 | 1000/200 |   | 5901224718243 |
| 70-302000 | 300/80   |   | 5901224705267 |
| 70-404000 | 380/120  | without spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode                         | 5901224701795 |
| 70-506000 | 500/160  |   | 5901224706721 |
| 70-608000 | 600/200  |   | 5901224706264 |
| 70-808600 | 800/200  | without spiral coils, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224723551 |
| 70-108600 | 1000/200 |   | 5901224727276 |

### Advantages of the SG(K) Kumulo


- ▶ Ability to connect several heat sources (CH boiler, fireplace, solar collectors, heat pump).
- ▶ Available types: without a coil or with one coil in the external tank, one coil in the internal tank or two spiral coils (e.g. for a solar installation and central heating system).
- ▶ Large external tank not enamelled, small internal DHW container enamelled with EXTRA GLASS® ceramic enamel.
- ▶ Ability to install an electrical set.
- ▶ Additional protection with magnesium anode.

For all SG(K) Kumulo combined heat accumulation vessels we recommend using a maintenance-free active titanium anode connected to the power outlet.

### Sensor cover

| cat. no. | description                                      | EAN code      |
|----------|--|---------------|
| M-006499 | sensor cover (probe) L - 110 mm, Ø 3/4" - copper | 5901224001444 |

▶ By installing the SG(K) Kumulo heat accumulation vessel in your boiler room you can save up to **2700 cm<sup>2</sup>** of space.

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

\* Details in the warranty card.

# COMBINED HEAT ACCUMULATION VESSEL FOR HEAT PUMPS: INDIRECT WATER HEATER + CH BUFFER

## TYPE SG(K) COMPLETE

Technical specification - SG(K) Complete

| specification                                     | unit              | SG(K) Complete 250 |
|---|-------------------|--------------------|
| ErP  polyurethane foam                            | -                 | B                  |
| d - internal diameter                             | mm                | 550                |
| D - external diameter                             | mm                | 700                |
| L - height  | mm                | 1990               |
| polyurethane foam insulation                      | mm                | 70                 |
| net weight  | kg                | 160                |
| <b>indirect water heater</b>                      |                   |                    |
| storage capacity                                  | l                 | 237                |
| tank's maximum working temperature                | °C                | 95                 |
| coil's maximum working temperature                | °C                | 110                |
| tank's maximum working pressure                   | MPa               | 1,0                |
| coil's maximum working pressure                   | MPa               | 1,6                |
| coil's surface                                    | m <sup>2</sup>    | 3,0                |
| coil's capacity                                   | l                 | 20,9               |
| coil's power (50/10/45°C)                         | kW                | 22                 |
| demand for heating water from CH boiler           | m <sup>3</sup> /h | 3                  |
| magnesium top cover (5/4" plug)                   | mm                | 38x400             |
| anode insp. hole (M8 screw)                       | mm                | 38x200             |
| <b>CH buffer</b>                                  |                   |                    |
| storage capacity                                  | l                 | 135                |
| tank's maximum working temperature                | °C                | 95                 |
| tank's maximum working pressure                   | MPa               | 0,3                |
| <b>connections</b>                                |                   |                    |
| h1 - CH boiler water inflow (int. thread)         | " / mm            | 1 / 220            |
| h2 - CH boiler water inflow (int. thread)         | " / mm            | 1 / 220            |
| h3 - CH boiler water inflow (int. thread)         | " / mm            | 1 / 220            |
| h4 - sensor cover / thermometer (Ø)               | " / mm            | 1/2 / 220          |
| h5 - CH boiler water inflow (int. thread)         | " / mm            | 6/4 / 320          |
| h6 - sensor cover / thermometer (Ø)               | " / mm            | 1/2 / 395          |
| h7 - CH boiler water inflow (int. thread)         | " / mm            | 6/4 / 435          |
| h8 - CH boiler water inflow (int. thread)         | " / mm            | 1 / 570            |
| h9 - CH boiler water inflow (int. thread)         | " / mm            | 1 / 570            |
| h10 - CH boiler water inflow (int. thread)        | " / mm            | 1 / 570            |
| h11 - sensor cover / thermometer (Ø)              | " / mm            | 1/2 / 570          |
| h12 - CH boiler water inflow / vent (int. thread) | " / mm            | 1 / 620            |
| h13 - cold water inflow (int. thread)             | " / mm            | 1 / 925            |
| h14 - CH water outflow (int. thread)              | " / mm            | 5/4 / 1010         |
| h15 - sensor cover / thermometer (Ø)              | " / mm            | 1/2 / 1150         |
| h16 - circulation (int. thread)                   | " / mm            | 3/4 / 1570         |
| h17 - CH hot water inflow (int. thread)           | " / mm            | 5/4 / 1690         |
| h18 - DHW outflow (int. thread)                   | " / mm            | 1 / 1775           |

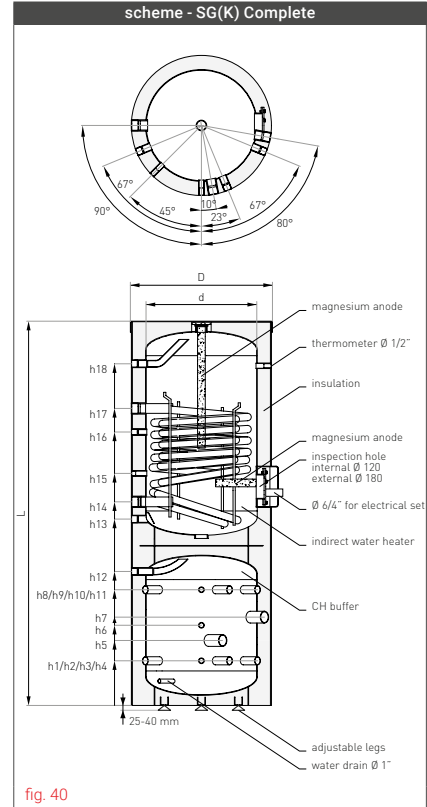


fig. 40

<sup>1</sup> According to the (EU) 812/2013, 814/2013.





## SG(K) Complete

| cat. no.  | type    | description  | EAN code      |
|-----------|---------|--|---------------|
| 71-251370 | 250/135 | maximum size spiral coil, 135 l CH buffer, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224333934 |


### Advantages of the SG(K) Complete

- ▶ Two independent systems in one device.
- ▶ Complete solution for heat pumps - indirect water heater + CH buffer.
- ▶ Space saving - compact design.
- ▶ Rapid DHW heating - large spiral coil (3 m<sup>2</sup>).
- ▶ Maximum size heat exchanger - so called "coil within a coil".
- ▶ Easier and faster installation.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.
- ▶ Ability to install an electrical set - option.
- ▶ Ability to install a maintenance-free titanium anode - option.



pic. 30  
SG(K) Complete

▶ **SG(K) Complete** was designed specifically for air-water heat pumps and combines the best features of Galmet water heaters into one tank that **serves as both an indirect water heater and a central heating buffer**. The tank's spiral coil provides exceptional water heating parameters, while its compact design not only saves space (one tank instead of two) but also makes the installation easier and faster.

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

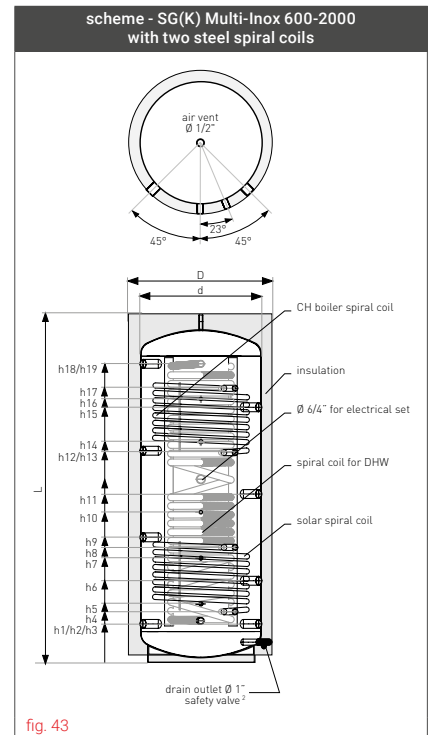
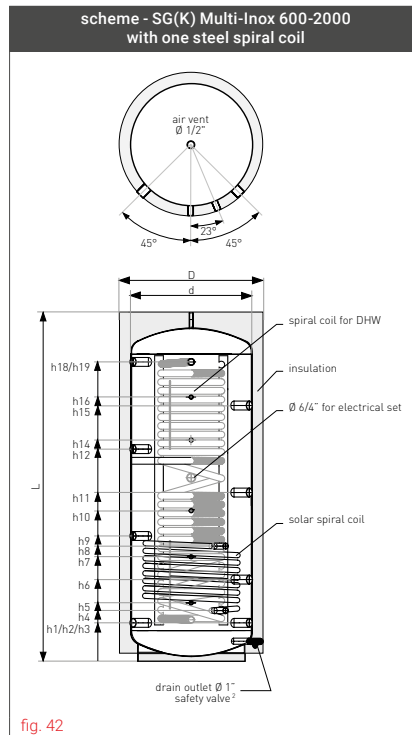
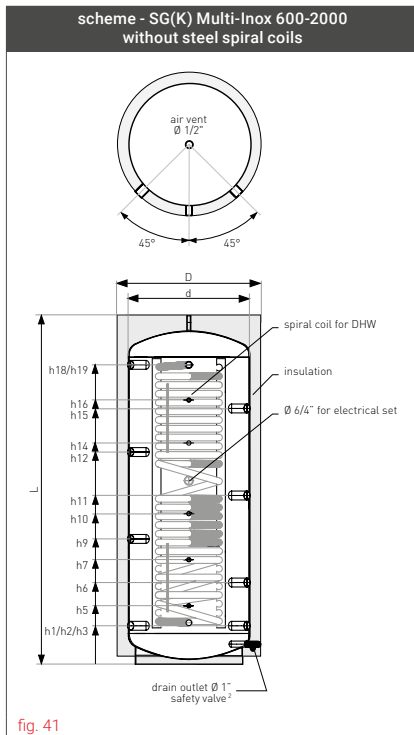
COMBINED HEAT ACCUMULATION VESSELS

\* Details in the warranty card.

# HYGIENIC STRATIFICATION BUFFER TANKS WITH A SPIRAL COIL - TYPE SG(K) MULTI-INOX

Technical specification - SG(K) Multi-Inox

| specification  | unit           | SG(K) Multi-Inox |            |            |            |            |
|--|----------------|------------------|------------|------------|------------|------------|
|  |                | 600              | 800        | 1000       | 1500       | 2000       |
| storage capacity (without steel coils) <sup>1</sup>  | l              | 619              | 760        | 940        | 1431       | 1964       |
| ErP  Neodul®   | -              | C                | C          | C          | C          | C          |
| tank's maximum working pressure  | MPa            | 0,3              | 0,3        | 0,3        | 0,3        | 0,3        |
| maximum working temp. of the tank with a CH water  | °C             | 90               | 90         | 90         | 90         | 90         |
| maximum working temp. of the solar spiral coil / CH spiral coil                                  | °C             | 110              | 110        | 110        | 110        | 110        |
| coil surface (upper / lower)   | m <sup>2</sup> | 1,4/1,4          | 1,8/1,8    | 1,8/1,8    | 3,0/2,4    | 4,5/3,0    |
| coil's capacity  | l              | 9,8/9,8          | 12,6/12,6  | 12,6/12,6  | 20,9/16,8  | 33,5/20,9  |
| coil's maximum working pressure I  | MPa            | 1,6              | 1,6        | 1,6        | 1,6        | 1,6        |
| coil's maximum working pressure II   | MPa            | 1,6              | 1,6        | 1,6        | 1,6        | 1,6        |
| coil's maximum working pressure for DHW  | MPa            | 0,6              | 0,6        | 0,6        | 0,6        | 0,6        |
| coil's maximum working temperature for DHW   | °C             | 90               | 90         | 90         | 90         | 90         |
| coil's surface for DHW   | m <sup>2</sup> | 4,1              | 5,7        | 7,7        | 8,25       | 8,25       |
| coil's capacity for DHW  | l              | 22               | 30,5       | 41         | 44         | 44         |
| flow through the DHW coil at 45°C  | l/min          | 20               | 20         | 20         | 40         | 40         |
| flow efficiency at 65°C (constant temperature at constant tank volume) at water temperature 45°C | l              | 268              | 510        | 574        | 520        | 572        |
| power of the stainless steel coil (feed temperature approx. 65°C)                                | kW             | 45               | 61,5       | 91         | 117        | 128        |
| h1 - CH boiler water inflow (int. thread)  | " / mm         | 6/4 / 275        | 6/4 / 250  | 6/4 / 250  | 6/4 / 380  | 6/4 / 380  |
| h2 - cold water inflow (int. thread)   | " / mm         | 5/4 / 270        | 5/4 / 270  | 5/4 / 270  | 5/4 / 400  | 5/4 / 380  |
| h3 - CH boiler water inflow (int. thread)  | " / mm         | 6/4 / 275        | 6/4 / 250  | 6/4 / 250  | 6/4 / 380  | 6/4 / 380  |
| h4 - CH water outflow I (int. thread)  | " / mm         | 1 / 345          | 1 / 330    | 1 / 330    | 1 / 460    | 1 / 450    |
| h5 - sensor cover I (Ø)  | " / mm         | 1/2 / 420        | 1/2 / 380  | 1/2 / 380  | 1/2 / 510  | 1/2 / 610  |
| h6 - CH boiler water inflow (int. thread)  | " / mm         | 6/4 / 490        | 6/4 / 455  | 6/4 / 530  | 6/4 / 705  | 6/4 / 655  |
| h7 - sensor cover II (Ø)   | " / mm         | 1/2 / 640        | 1/2 / 570  | 1/2 / 680  | 1/2 / 875  | 1/2 / 840  |
| h8 - CH hot water inflow I (int. thread)   | " / mm         | 1 / 745          | 1 / 750    | 1 / 750    | 1 / 1260   | 1 / 1250   |
| h9 - CH boiler water inflow (int. thread)  | " / mm         | 6/4 / 700        | 6/4 / 685  | 6/4 / 815  | 6/4 / 1015 | 6/4 / 925  |
| h10 - sensor cover III (Ø)   | " / mm         | 1/2 / 865        | 1/2 / 750  | 1/2 / 980  | 1/2 / 1240 | 1/2 / 1070 |
| h11 - CH boiler water inflow (int. thread)   | " / mm         | 6/4 / 915        | 6/4 / 900  | 6/4 / 1100 | 6/4 / 1325 | 6/4 / 1205 |
| h12 - CH boiler water inflow (int. thread)   | " / mm         | 6/4 / 1130       | 6/4 / 1115 | 6/4 / 1380 | 6/4 / 1640 | 6/4 / 1475 |
| h13 - CH water outflow II (int. thread)  | " / mm         | 1 / 1105         | 1 / 1060   | 1 / 1370   | 1 / 1590   | 1 / 1410   |
| h14 - sensor cover IV (Ø)  | " / mm         | 1/2 / 1215       | 1/2 / 1150 | 1/2 / 1440 | 1/2 / 1680 | 1/2 / 1530 |
| h15 - CH boiler water inflow (int. thread)   | " / mm         | 6/4 / 1340       | 6/4 / 1335 | 6/4 / 1665 | 6/4 / 1950 | 6/4 / 1750 |
| h16 - sensor cover V (Ø)   | " / mm         | 1/2 / 1410       | 1/2 / 1450 | 1/2 / 1720 | 1/2 / 2020 | 1/2 / 1830 |
| h17 - CH hot water inflow II (int. thread)   | " / mm         | 1 / 1505         | 1 / 1480   | 1 / 1790   | 1 / 2190   | 1 / 1960   |
| h18 - CH boiler water inflow (int. thread)   | " / mm         | 6/4 / 1555       | 6/4 / 1550 | 6/4 / 1950 | 6/4 / 2260 | 6/4 / 2030 |
| h19 - DHW outflow (int. thread)  | " / mm         | 5/4 / 1560       | 5/4 / 1555 | 5/4 / 1950 | 5/4 / 2260 | 5/4 / 2030 |
| d - internal diameter  | mm             | 700              | 790        | 790        | 900        | 1100       |
| D - external diameter  | mm             | 860              | 950        | 950        | 1100       | 1300       |
| L - height   | mm             | 1900             | 1880       | 2270       | 2665       | 2500       |
| height when tilted   | mm             | 2120             | 2130       | 2470       | 2890       | 2820       |
| net weight (without insulation with two steel spiral coils)                                      | kg             | 208              | 235        | 264        | 335        | 395        |



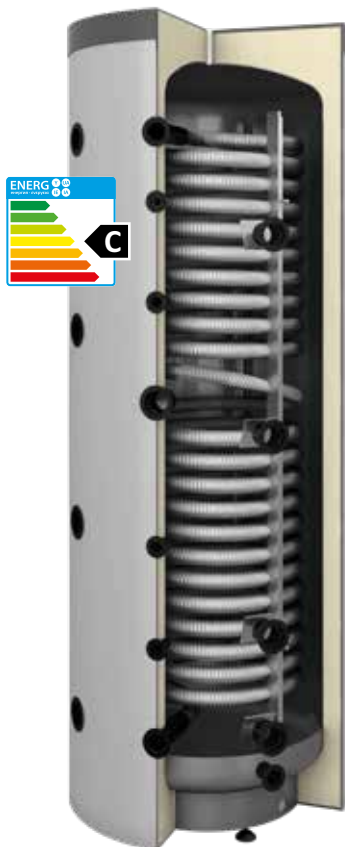
<sup>1</sup> According to the (EU) 812/2013, 814/2013.

<sup>2</sup> Included with the device for self-assembly.



## SG(K) Multi-Inox

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 70-601600 | 600  |  | 5901224741906 |
| 70-801600 | 800  |  | 5901224741913 |
| 70-101600 | 1000 | corrugated stainless steel spiral coil, detachable Neodul® insulation, artificial leather, non-enamelled                         | 5901224741920 |
| 70-151600 | 1500 |  | 5901224741937 |
| 80-201600 | 2000 |  | 5901224741944 |
| 71-601600 | 600  |  | 5901224732867 |
| 71-801600 | 800  |  | 5901224733123 |
| 71-101600 | 1000 | corrugated stainless steel spiral coil, one steel spiral coil, detachable Neodul® insulation, artificial leather, non-enamelled  | 5901224733130 |
| 71-151600 | 1500 |  | 5901224733147 |
| 81-201600 | 2000 |  | 5901224733161 |
| 72-601600 | 600  |  | 5901224733079 |
| 72-801600 | 800  |  | 5901224733086 |
| 72-101600 | 1000 | corrugated stainless steel spiral coil, two steel spiral coils, detachable Neodul® insulation, artificial leather, non-enamelled | 5901224733093 |
| 72-151600 | 1500 |  | 5901224733109 |
| 82-201600 | 2000 |  | 5901224733154 |



pic. 31  
SG(K) Multi-Inox

### Advantages of the SG(K) Multi-Inox

- ▶ Stratified accumulators cooperate perfectly with wood, pellet, gas and oil-fired boilers and in heat recuperation systems.
- ▶ Spirally corrugated, stainless steel spiral coil guarantees hygienic DHW preparation.
- ▶ Low temperatures at the bottom part of the accumulator make it possible to obtain low water temperature on the solar collector return, thus efficiently use the solar energy. The low return temperature is especially advantageous for condensing boilers, as it allows for using optimally the fuel calorific value.
- ▶ Spirally corrugated stainless steel spiral coil (material 1.4404 AISI 316L) cleans itself automatically under pressure. The turbulences inside the accumulator prevent the lime scale from depositing on the heater's inner surface.
- ▶ DHW free of legionella bacteria thanks to the constant turbulent flow of water.
- ▶ Large heating surface of the coil in the upper temperature range of the CH boiler water ensures high DHW efficiency, while the exchanger in the lower temperature range is designed to pre-heat the water and cool the tank.
- ▶ The accumulator can be fitted with one or two additional coils made of boiler steel P.235GH:
  - lower one (solar) for use with the solar panels,
  - additional one to quickly heat domestic hot water by using the CH boiler.
- ▶ The accumulator is thermally insulated with soft, detachable Neodul® insulation.



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



pic. 32  
SG(K) Multi-Inox  
with one steel coil, two steel coils  
or without any steel coils

\* 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.

# BUFFER TANKS FOR HEATING AND COOLING - TYPE SG(B)

Technical specification - SG(B) 40-140 (wall-mounted)

| specification                             | unit   | SG(B)     |           |           |           |           |            |
|---|--------|-----------|-----------|-----------|-----------|-----------|------------|
|   |        | 40        | 60        | 80        | 100       | 120       | 140        |
| storage capacity <sup>1</sup>             | l      | 40        | 63        | 86        | 106       | 118       | 136        |
| ErP  polyurethane foam                    | -      | C         | C         | C         | C         | C         | C          |
| tank's maximum working temperature        | °C     | 95        | 95        | 95        | 95        | 95        | 95         |
| tank's minimum working temperature        | °C     | 6         | 6         | 6         | 6         | 6         | 6          |
| tank's maximum working pressure           | bar    | 3         | 3         | 3         | 3         | 3         | 3          |
| h1 - CH boiler water inflow (int. thread) | " / mm | 6/4 / 175 | 6/4 / 175 | 6/4 / 175 | 6/4 / 175 | 6/4 / 175 | 6/4 / 175  |
| h2 - CH boiler water inflow (int. thread) | " / mm | 6/4 / 305 | 6/4 / 505 | 6/4 / 690 | 6/4 / 840 | 6/4 / 940 | 6/4 / 1090 |
| d - internal diameter                     | mm     | 400       | 400       | 400       | 400       | 400       | 400        |
| D - external diameter                     | mm     | 460       | 460       | 460       | 460       | 460       | 460        |
| L - height                                | mm     | 480       | 680       | 865       | 1015      | 1115      | 1265       |
| net weight                                | kg     | 25        | 30        | 35        | 39        | 46        | 53         |

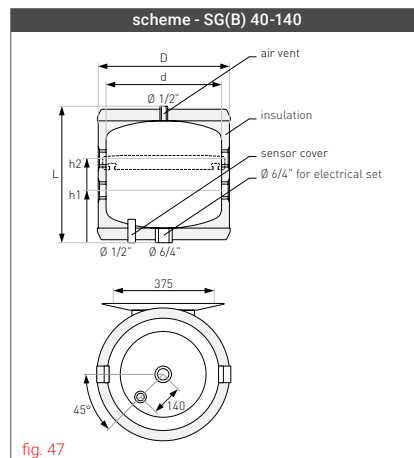


fig. 47

Technical specification - SG(B) 100-500 (free-standing)

| specification   | unit   | SG(B)     |           |            |            |            |
|---|--------|-----------|-----------|------------|------------|------------|
|   |        | 100       | 200       | 300        | 400        | 500        |
| storage capacity <sup>1</sup>   | l      | 107       | 223       | 322        | 396        | 467        |
| ErP  polyurethane foam  | -      | B         | B         | B          | C          | C          |
| tank's maximum working temperature  | °C     | 95        | 95        | 95         | 95         | 95         |
| tank's minimum working temperature  | °C     | 6         | 6         | 6          | 6          | 6          |
| tank's maximum working pressure   | bar    | 3         | 3         | 3          | 3          | 3          |
| h1 - CH boiler water inflow (int. thread)   | " / mm | 6/4 / 180 | 6/4 / 220 | 6/4 / 220  | 6/4 / 250  | 6/4 / 250  |
| h2 - CH boiler water inflow (int. thread)   | " / mm | 6/4 / 180 | 6/4 / 220 | 6/4 / 220  | 6/4 / 250  | 6/4 / 250  |
| h3 - CH boiler water inflow (int. thread)   | " / mm | -         | -         | 6/4 / 410  | 6/4 / 445  | 6/4 / 485  |
| h4 - sleeve for the sensor cover I (Ø)  | " / mm | -         | 1/2 / 315 | 1/2 / 500  | 1/2 / 565  | 1/2 / 565  |
| h5 - CH boiler water inflow (int. thread)   | " / mm | 6/4 / 495 | 6/4 / 485 | 6/4 / 600  | 6/4 / 635  | 6/4 / 715  |
| h6 - CH boiler water inflow (int. thread)   | " / mm | 6/4 / 495 | 6/4 / 555 | 6/4 / 785  | 6/4 / 825  | 6/4 / 945  |
| h7 - sleeve for the sensor cover II (Ø, 100-200 l) or CH boiler water inflow (int. thread, 300-500 l) | " / mm | 1/2 / 765 | 1/2 / 605 | 6/4 / 975  | 6/4 / 1015 | 6/4 / 1180 |
| h8 - sleeve for the sensor cover II (Ø)   | " / mm | -         | -         | 1/2 / 975  | 1/2 / 1015 | 1/2 / 1180 |
| h9 - CH boiler water inflow (int. thread)   | " / mm | 6/4 / 815 | 6/4 / 785 | 6/4 / 1165 | 6/4 / 1210 | 6/4 / 1410 |
| h10 - CH boiler water inflow (int. thread)  | " / mm | 6/4 / 815 | 6/4 / 885 | 6/4 / 1355 | 6/4 / 1400 | 6/4 / 1640 |
| h11 - sleeve for the sensor cover III (Ø)   | " / mm | -         | 1/2 / 885 | 1/2 / 1355 | 1/2 / 1400 | 1/2 / 1640 |
| d - internal diameter   | mm     | 400       | 550       | 550        | 600        | 600        |
| D - external diameter   | mm     | 520       | 670       | 670        | 700        | 700        |
| L - height  | mm     | 1010      | 1140      | 1615       | 1685       | 1925       |
| net weight  | kg     | 37        | 56        | 75         | 104        | 118        |

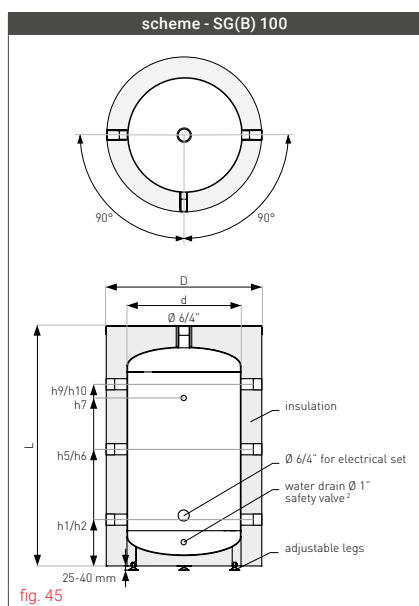


fig. 45

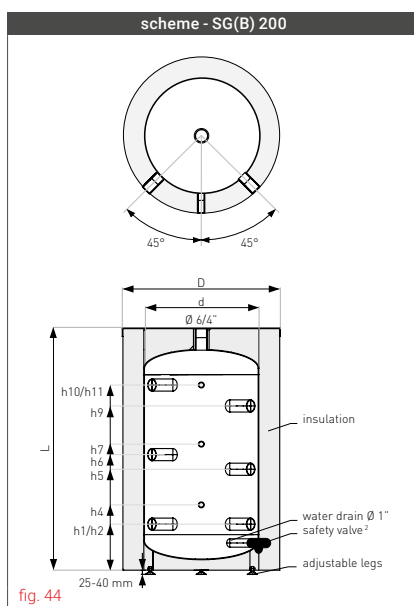


fig. 44

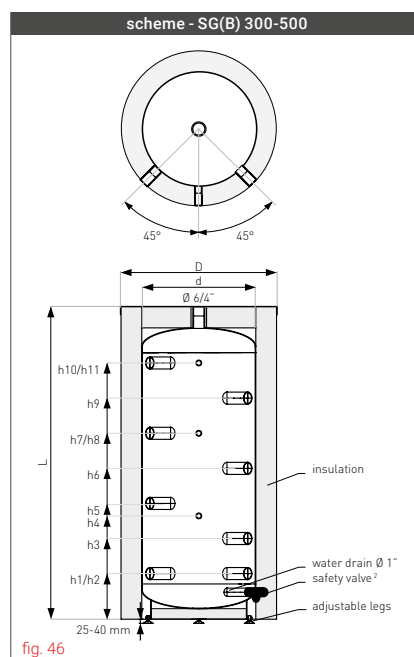
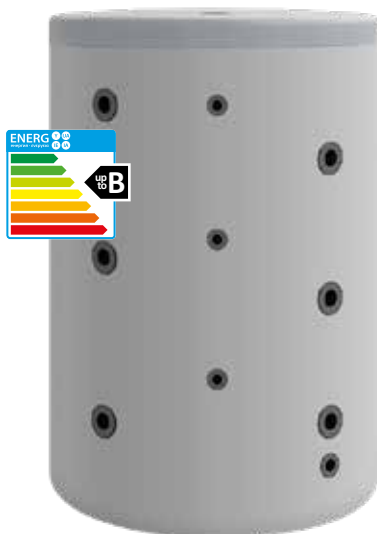


fig. 46

<sup>1</sup> According to the (EU) 812/2013, 814/2013.



pic. 33  
SG(B) 40 (wall-mounted)



pic. 34  
SG(B) 200 (free-standing)

## SG(B) 40-140 (wall-mounted)

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 70-047000 | 40   |  | 5901224319075 |
| 70-067000 | 60   |  | 5901224319082 |
| 70-087000 | 80   |  | 5901224319099 |
| 70-107000 | 100  | without spiral coils, polyurethane foam, metal casing, non-enamelled | 5901224319105 |
| 70-127000 | 120  |  | 5901224319112 |
| 70-147000 | 140  |  | 5901224319129 |

### Advantages of the SG(B) 40-140 (wall-mounted)

- ▶ Wide range of available capacities, from 40 to 140 l.
- ▶ Insulated with polyurethane foam.
- ▶ Water tank (buffer) for de-mineralised boiler water or glycol solution.
- ▶ Works as hydraulic separator when used with a heat pump.
- ▶ Wall-mounted version.
- ▶ Durable metal casing.

### Sensor cover

| cat. no. | description  | EAN code      |
|----------|--|---------------|
| M-010085 | sensor cover (probe) L - 350 mm, Ø 1/2" - copper (40-80 l)   | 5901224070075 |
| M-013178 | sensor cover (probe) L - 700 mm, Ø 1/2" - copper (100-140 l) | 5901224070075 |


## SG(B) 100-500

| cat. no.   | type | description  | EAN code      |
|------------|------|--|---------------|
| 70-104000  | 100  |  | 5901224334436 |
| 70-200000  | 200  |  | 5901224702051 |
| 70-300000N | 300  | without spiral coils, polyurethane foam, artificial leather, non-enamelled | 5901224316609 |
| 70-400000  | 400  |  | 5901224700057 |
| 70-500000  | 500  |  | 5901224712876 |

### Advantages of the SG(B) 100-500 (free-standing)

- ▶ Wide range of available capacities, from 100 to 500 l.
- ▶ Insulated with polyurethane foam.
- ▶ 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).
- ▶ All hydraulic connections situated on the front of the tank.
- ▶ Free-standing version.

▶ The primary function of the buffer tanks is to increase the water supply in the heating system. When used with a heat pump it functions as a **hydraulic separator**.

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

\* Details in the warranty card.

# BUFFER TANKS FOR HEAT PUMPS WITH THE MAXIMUM SIZE SPIRAL COIL - TYPE SG(B) 200-500

Technical specification - SG(B) with the maximum size spiral coil

| specification                           | unit              | SG(B) with the maximum size spiral coil |      |      |      |      |
|---|-------------------|---|------|------|------|------|
|   |                   | 200                                     | 250  | 300  | 400  | 500  |
| storage capacity <sup>1</sup>           | l                 | 202                                     | 236  | 284  | 366  | 459  |
| ErP  polyurethane foam<br>Neodul®       | -                 | B                                       | B    | B    | C    | B    |
| tank's maximum working pressure         | MPa               | 0,3                                     | 0,3  | 0,3  | 0,3  | 0,3  |
| coil's maximum working pressure         | MPa               | 0,6                                     | 0,6  | 1,6  | 1,6  | 1,6  |
| tank's maximum working temperature      | °C                | 95                                      | 95   | 95   | 95   | 95   |
| coil's maximum working temperature      | °C                | 110                                     | 110  | 110  | 110  | 110  |
| coil's surface                          | m <sup>2</sup>    | 2,0                                     | 3,0  | 3,8  | 6,0  | 7,5  |
| coil's capacity                         | l                 | 14,0                                    | 20,9 | 26,5 | 41,0 | 47,9 |
| coil's power (80/10/45°C)               | kW                | 48                                      | 71,5 | 91   | 114  | 152  |
| heat pump coil's power (50/10/45°C)     | kW                | 14                                      | 22   | 28   | 37   | 52   |
| demand for heating water from CH boiler | m <sup>3</sup> /h | 3                                       | 3    | 3    | 3    | 3    |

| connections for the SG(B) 200 with the maximum size spiral coil |       |           |
|---|-------|-----------|
| h1 - CH water outflow (int. thread)                             | "/ mm | 1 / 205   |
| h2 - CH boiler water inflow (int. thread)                       | "/ mm | 6/4 / 220 |
| h3 - CH boiler water inflow (int. thread)                       | "/ mm | 6/4 / 220 |
| h4 - sleeve for the electrical set (int. thread)                | "/ mm | 6/4 / 300 |
| h5 - sleeve for the sensor cover / thermometer (Ø)              | "/ mm | 1/2 / 300 |
| h6 - CH boiler water inflow (int. thread)                       | "/ mm | 6/4 / 475 |
| h7 - CH boiler water inflow (int. thread)                       | "/ mm | 6/4 / 555 |
| h8 - sleeve for the sensor cover / thermometer (Ø)              | "/ mm | 1/2 / 615 |
| h9 - CH boiler water inflow (int. thread)                       | "/ mm | 6/4 / 785 |
| h10 - sleeve for the sensor cover / thermometer (Ø)             | "/ mm | 1/2 / 800 |
| h11 - CH boiler water inflow (int. thread)                      | "/ mm | 6/4 / 885 |
| h12 - CH hot water inflow (int. thread)                         | "/ mm | 1 / 900   |

| connections for the SG(B) 250-300 with the maximum size spiral coil |       |                         |
|---|-------|-------------------------|
| h1 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 220 6/4 / 220   |
| h2 - CH water outflow (int. thread)                                 | "/ mm | - 5/4 / 220 5/4 / 220   |
| h3 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 220 6/4 / 220   |
| h4 - sleeve for the electrical set (int. thread)                    | "/ mm | - 6/4 / 310 6/4 / 310   |
| h5 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 390 6/4 / 410   |
| h6 - sleeve for the sensor cover / thermometer (Ø)                  | "/ mm | - 1/2 / 470 1/2 / 555   |
| h7 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 500 6/4 / 600   |
| h8 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 725 6/4 / 785   |
| h9 - sleeve for the sensor cover / thermometer (Ø)                  | "/ mm | - 1/2 / 750 1/2 / 955   |
| h10 - CH boiler water inflow (int. thread)                          | "/ mm | - 6/4 / 785 6/4 / 975   |
| h11 - CH hot water inflow (int. thread)                             | "/ mm | - 5/4 / 900 5/4 / 1040  |
| h12 - CH boiler water inflow (int. thread)                          | "/ mm | - 6/4 / 1070 6/4 / 1165 |
| h13 - CH boiler water inflow (int. thread)                          | "/ mm | - 6/4 / 1070 6/4 / 1355 |
| h14 - sleeve for the sensor cover / thermometer (Ø)                 | "/ mm | - 1/2 / 1070 1/2 / 1355 |

| connections for the SG(B) 400-500 with the maximum size spiral coil |       |                         |
|---|-------|-------------------------|
| h1 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 250 6/4 / 265   |
| h2 - CH water outflow (int. thread)                                 | "/ mm | - 5/4 / 250 5/4 / 275   |
| h3 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 250 6/4 / 265   |
| h4 - sleeve for the electrical set (int. thread)                    | "/ mm | - 6/4 / 340 6/4 / 430   |
| h5 - sleeve for the sensor cover / thermometer (Ø)                  | "/ mm | - 1/2 / 450 1/2 / 575   |
| h6 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 450 6/4 / 495   |
| h7 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 660 6/4 / 730   |
| h8 - sleeve for the sensor cover / thermometer (Ø)                  | "/ mm | - 1/2 / 780 1/2 / 1015  |
| h9 - CH boiler water inflow (int. thread)                           | "/ mm | - 6/4 / 910 6/4 / 950   |
| h10 - CH boiler water inflow (int. thread)                          | "/ mm | - 6/4 / 1065 6/4 / 1195 |
| h11 - sleeve for the sensor cover / thermometer (Ø)                 | "/ mm | - 1/2 / 1265 1/2 / 1395 |
| h12 - CH boiler water inflow (int. thread)                          | "/ mm | - 6/4 / 1265 6/4 / 1405 |
| h13 - CH hot water inflow (int. thread)                             | "/ mm | - 5/4 / 1400 5/4 / 1545 |
| h14 - CH boiler water inflow (int. thread)                          | "/ mm | - 6/4 / 1470 6/4 / 1635 |

| dimensions            |    |                          |
|-----------------------|----|--------------------------|
| d - internal diameter | mm | 550 550 550 600 630      |
| D - external diameter | mm | 670 670 670 700 750      |
| L - height            | mm | 1140 1300 1615 1750 1950 |
| net weight            | kg | 95 124 145 210 245       |

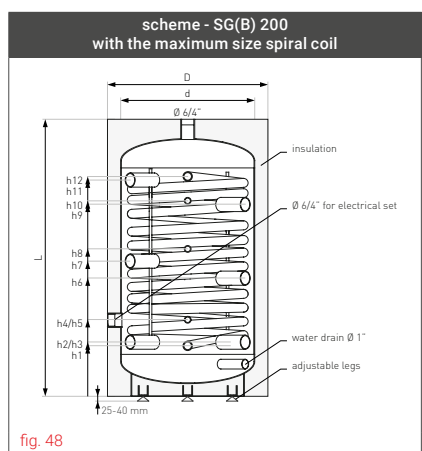


fig. 48

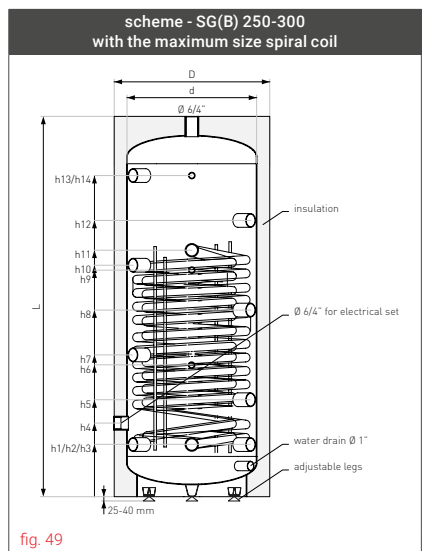


fig. 49

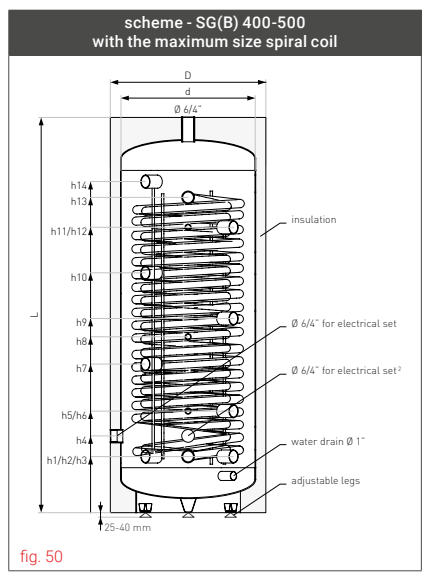


fig. 50

<sup>1</sup> According to the (EU) 812/2013, 814/2013.  
<sup>2</sup> Applies to SG(B) 500 with the maximum size spiral coil.

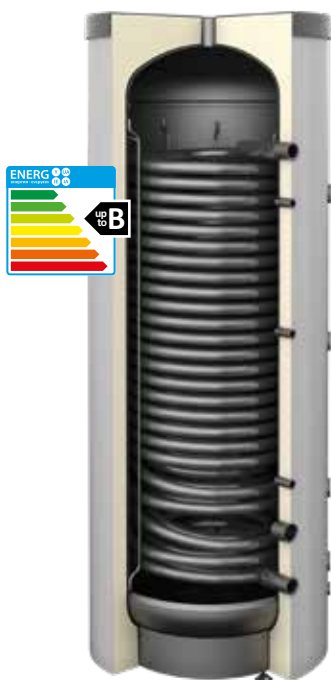


## SG(B) with the maximum size spiral coil

| cat. no.   | type | description  | EAN code      |
|------------|------|--|---------------|
| 71-204100  | 200  | maximum size spiral coil 2,0-7,5 m <sup>2</sup> , polyurethane foam, artificial leather, non-enamelled | 5901224330506 |
| 71-254100  | 250  |  | 5901224322280 |
| 71-304100N | 300  |  | 5901224319259 |
| 71-404100N | 400  |  | 5901224319266 |
| 71-504100N | 500  |  | 5901224320736 |

### Advantages of the SG(B) with the maximum size spiral coil

- ▶ Wide range of available capacities, from 200 to 1000 l.
- ▶ Large surface area of the spiral coil.
- ▶ Maximum size spiral coil bent in two diameters, so-called „coil within a coil“.
- ▶ Insulated with polyurethane foam.
- ▶ Dedicated for heat pumps.



pic. 35  
SG(B) with the maximum size spiral coil

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

▶ **Maximum size heat exchanger**, the so-called „coil within a coil“ - a bent tube in two diameters, a larger one and a smaller one inside the first one.



pic. 36  
maximum size spiral coil bent in two diameters

### Comparison of the coils' surfaces

| type | coil's surface [m <sup>2</sup> ] |                    |             |       |                      |
|------|----------------------------------|--------------------|-------------|-------|----------------------|
|      | SGW(S) Tower                     | SGW(S) Tower Grand | SGW(S) Maxi | SG(B) | SG(B) for heat pumps |
| 160  | -                                | 1,4                | -           | -     | -                    |
| 200  | 1,4                              | 2,0                | -           | 1,4   | 2,0                  |
| 250  | 1,4                              | 2,4                | 3,0         | -     | 3,0                  |
| 300  | 1,4                              | 2,7                | 3,8         | 1,4   | 3,8                  |
| 400  | 1,8                              | 3,8                | 5,0         | 1,8   | 6,0                  |
| 500  | 2                                | 4,3                | 6,0         | 2,5   | 7,5                  |
| 700  | 2,4                              | -                  | 6,5         | -     | -                    |
| 800  | -                                | -                  | 9,0         | 3,0   | 9,0                  |
| 1000 | 2,7                              | -                  | 12,0        | 3,5   | 12,0                 |

\* Details in the warranty card.

# BUFFER TANKS FOR HEAT PUMPS WITH THE MAXIMUM SIZE SPIRAL COIL - TYPE SG(B) 800-1000

Technical specification - SG(B) with the maximum size spiral coil

| specification                                       | unit              | SG(B) with the maximum size spiral coil |            |
|---|-------------------|---|------------|
|   |                   | 800                                     | 1000       |
| storage capacity <sup>1</sup>                       | l                 | 910                                     | 1015       |
| ErP  polyurethane foam<br>Neodul@                   | -                 | -                                       | -          |
| tank's maximum working pressure                     | MPa               | 0,3                                     | 0,3        |
| coil's maximum working pressure                     | MPa               | 1,6                                     | 1,6        |
| tank's maximum working temperature                  | °C                | 95                                      | 95         |
| coil's maximum working temperature                  | °C                | 110                                     | 110        |
| coil's surface                                      | m <sup>2</sup>    | 9,0                                     | 12,0       |
| coil's capacity                                     | l                 | 76,0                                    | 101,0      |
| coil's power (80/10/45°C)                           | kW                | 182                                     | 240        |
| heat pump coil's power (50/10/45°C)                 | kW                | 62                                      | 80         |
| demand for heating water from CH boiler             | m <sup>3</sup> /h | 3                                       | 3          |
| h1 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 375                               | 6/4 / 375  |
| h2 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 375                               | 6/4 / 375  |
| h3 - CH water outflow (int. thread)                 | " / mm            | 2 / 445                                 | 2 / 445    |
| h4 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 565                               | 6/4 / 600  |
| h5 - sleeve for the sensor cover / thermometer (Ø)  | " / mm            | 1/2 / 705                               | 1/2 / 705  |
| h6 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 755                               | 6/4 / 825  |
| h7 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 940                               | 6/4 / 1000 |
| h8 - sleeve for the sensor cover / thermometer (Ø)  | " / mm            | 1/2 / 1025                              | 1/2 / 1050 |
| h9 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 1130                              | 6/4 / 1275 |
| h10 - CH boiler water inflow (int. thread)          | " / mm            | 6/4 / 1315                              | 6/4 / 1450 |
| h11 - sleeve for the sensor cover / thermometer (Ø) | " / mm            | 1/2 / 1325                              | 1/2 / 1525 |
| h12 - CH hot water inflow (int. thread)             | " / mm            | 2 / 1475                                | 2 / 1695   |
| h13 - CH boiler water inflow (int. thread)          | " / mm            | 6/4 / 1505                              | 6/4 / 1725 |
| d - internal diameter                               | mm                | 900                                     | 900        |
| D - external diameter                               | mm                | 1060                                    | 1060       |
| L - height  | mm                | 1935                                    | 2135       |
| net weight  | kg                | 380                                     | 440        |

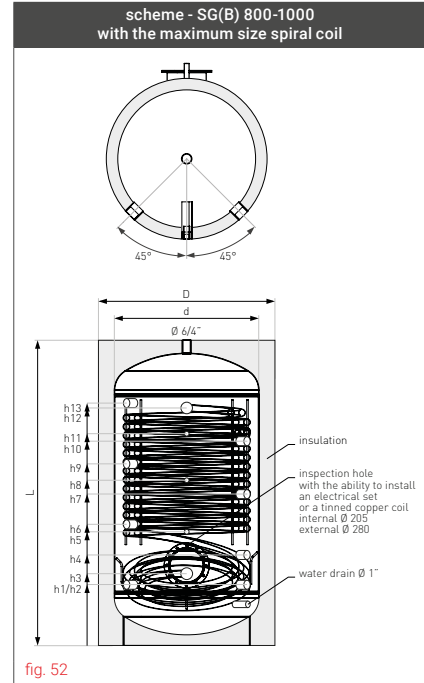


fig. 52

# TINNED COPPER COILS FOR BUFFER TANKS

Technical specification - tinned copper coils

| coil's surface | unit           | length L [mm] | external diameter d [mm] | connections diameter | connections spacing R [mm] | coil's power (90/10/45°C) [kW] | flow resistance [bar]        |
|----------------|----------------|---------------|--------------------------|----------------------|----------------------------|--------------------------------|------------------------------|
| 1,0            | m <sup>2</sup> | 350           | 140                      | 3/4"                 | 70                         | 5,4                            | 0,25 (0,5 m <sup>3</sup> /h) |
| 1,8            | m <sup>2</sup> | 440           | 170                      | 3/4"                 | 70                         | 33,6                           | 0,23 (1,5 m <sup>3</sup> /h) |
| 2,3            | m <sup>2</sup> | 540           | 170                      | 3/4"                 | 70                         | 34,2                           | 0,30 (1,5 m <sup>3</sup> /h) |
| 3,6            | m <sup>2</sup> | 650           | 175                      | 1"                   | 70 / 110                   | 100,5                          | 0,30 (3,5 m <sup>3</sup> /h) |
| 4,5            | m <sup>2</sup> | 790           | 175                      | 1"                   | 70 / 110                   | 103                            | 0,53 (3,5 m <sup>3</sup> /h) |

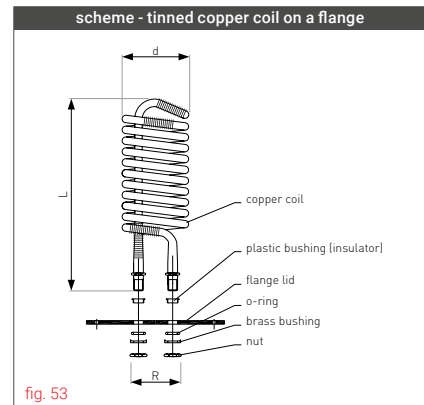


fig. 53

<sup>1</sup> According to the (EU) 812/2013, 814/2013.





## SG(B) with the maximum size spiral coil

| cat. no.  | type | description   | EAN code      |
|-----------|------|---|---------------|
| 71-800700 | 800  | maximum size spiral coil 9,0-12,0 m <sup>2</sup> , detachable Neodul® insulation, | 5901224332173 |
| 71-100700 | 1000 | artificial leather, non-enamelled   | 5901224332197 |

### Advantages of the SG(B) with the maximum size spiral coil

- ▶ Wide range of available capacities, from 200 to 1000 l.
- ▶ Large surface area of the spiral coil.
- ▶ Maximum size spiral coil bent in two diameters, so-called „coil within a coil“.
- ▶ Insulated with polyurethane foam.
- ▶ Dedicated for heat pumps.



pic. 37  
SG(B) with the maximum size spiral coil



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



**Maximum size heat exchanger**, the so-called „coil within a coil“ - a bent tube in two diameters, a larger one and a smaller one inside the first one.

### Tinned copper coils for buffer tanks SG(B) for self-assembly

| cat. no.  | description   | EAN code      |
|-----------|---|---------------|
| 40-501210 | 1,0 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810145 |
| 40-501218 | 1,8 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810152 |
| 40-501223 | 2,3 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224809897 |
| 40-501236 | 3,6 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810169 |
| 40-501245 | 4,5 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810176 |



pic. 38  
tinned copper coil

\* Details in the warranty card.

# BUFFER TANKS FOR HEAT PUMPS WITH TWO MAXIMUM SIZE SPIRAL COILS - TYPE SG(B)

Technical specification - SG(B) with two maximum size spiral coils

| specification                                       | unit              | SG(B) with two maximum size spiral coils |              |
|---|-------------------|--|--------------|
|   |                   | 800                                      | 1000         |
| storage capacity <sup>1</sup>                       | l                 | 903                                      | 1015         |
| ErP  Neodul®  | -                 | C  | C            |
| tank's maximum working pressure                     | MPa               | 0,3                                      | 0,3          |
| coil's maximum working pressure                     | MPa               | 0,6                                      | 0,6          |
| tank's maximum working temperature                  | °C                | 95                                       | 95           |
| coil's maximum working temperature                  | °C                | 110                                      | 110          |
| solar collector / heat pump coil's surface          | m <sup>2</sup>    | 7,5 / 2,0                                | 9,0 / 3,0    |
| solar collector / heat pump coil's capacity         | l                 | 64,0 / 17,0                              | 76,0 / 26,0  |
| solar collector coil's power (80/10/45°C)           | kW                | 152,0 / 64,0                             | 182,0 / 71,5 |
| heat pump coil's power (50/10/45°C)                 | kW                | 52,0 / 14,0                              | 62,0 / 22,0  |
| demand for heating water from CH boiler             | m <sup>3</sup> /h | 3  | 3            |
| h1 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 375                                | 6/4 / 375    |
| h2 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 375                                | 6/4 / 375    |
| h3 - CH water outflow (int. thread)                 | " / mm            | 2 / 385                                  | 2 / 385      |
| h4 - sleeve for the sensor cover / thermometer (Ø)  | " / mm            | 1/2 / 510                                | 1/2 / 525    |
| h5 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 565                                | 6/4 / 600    |
| h6 - CH hot water inflow (int. thread)              | " / mm            | 2 / 630                                  | 2 / 685      |
| h7 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 755                                | 6/4 / 825    |
| h8 - CH water outflow (int. thread)                 | " / mm            | 2 / 755                                  | 2 / 805      |
| h9 - CH boiler water inflow (int. thread)           | " / mm            | 6/4 / 940                                | 6/4 / 1000   |
| h10 - sleeve for the sensor cover / thermometer (Ø) | " / mm            | 1/2 / 955                                | 1/2 / 1075   |
| h11 - CH boiler water inflow (int. thread)          | " / mm            | 6/4 / 1130                               | 6/4 / 1275   |
| h12 - sleeve for the sensor cover / thermometer (Ø) | " / mm            | 1/2 / 1295                               | 1/2 / 1415   |
| h13 - CH boiler water inflow (int. thread)          | " / mm            | 6/4 / 1315                               | 6/4 / 1450   |
| h14 - CH hot water inflow (int. thread)             | " / mm            | 2 / 1495                                 | 2 / 1715     |
| h15 - CH boiler water inflow (int. thread)          | " / mm            | 6/4 / 1505                               | 6/4 / 1725   |
| d - internal diameter                               | mm                | 900                                      | 900          |
| D - external diameter                               | mm                | 1060                                     | 1060         |
| L - height  | mm                | 1935                                     | 2135         |
| net weight  | kg                | 385                                      | 439          |

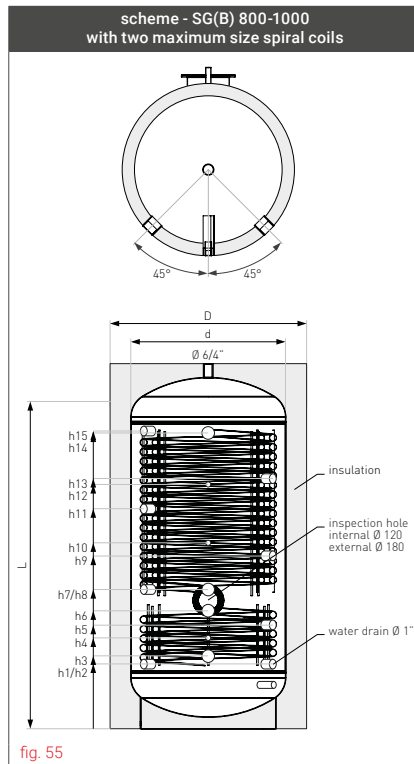


fig. 55

<sup>1</sup> According to the (EU) 812/2013, 814/2013.

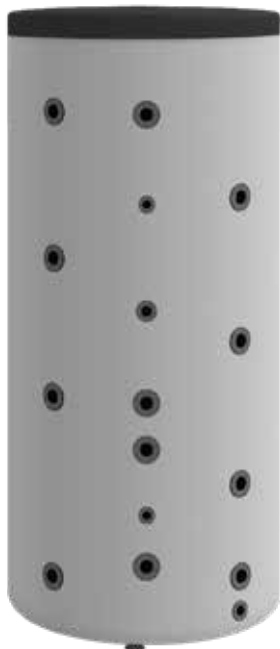


## SG(B) with two maximum size spiral coils

| cat. no.  | type | description  | EAN code      |
|-----------|------|--|---------------|
| 72-800700 | 800  | two maximum size spiral coils 7,5/2,0 m <sup>2</sup> - 9,0/3,0 m <sup>2</sup> , detachable Neodul® | 5901224332210 |
| 72-100700 | 1000 | insulation, artificial leather, non-enamelled  | 5901224332234 |

### Advantages of the SG(B) with two maximum size spiral coils

- ▶ Wide range of available capacities, from 800 to 1000 l.
- ▶ Large surface area of the spiral coils.
- ▶ Maximum size spiral coils bent in two diameters, so-called „coil within a coil“.
- ▶ Insulated with polyurethane foam.
- ▶ Dedicated for heat pumps.



pic. 39  
SG(B) with two maximum size spiral coils



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



**Maximum size heat exchanger**, the so-called „coil within a coil“ - a bent tube in two diameters, a larger one and a smaller one inside the first one.



pic. 40  
maximum size  
spiral coil  
bent in two diameters

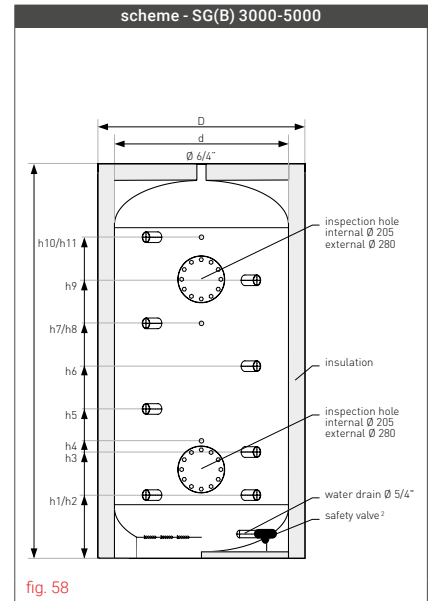
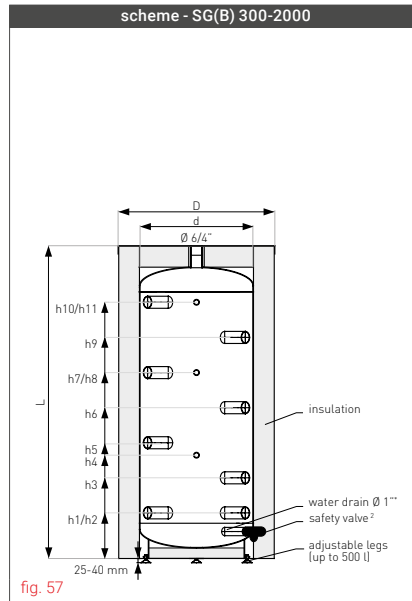
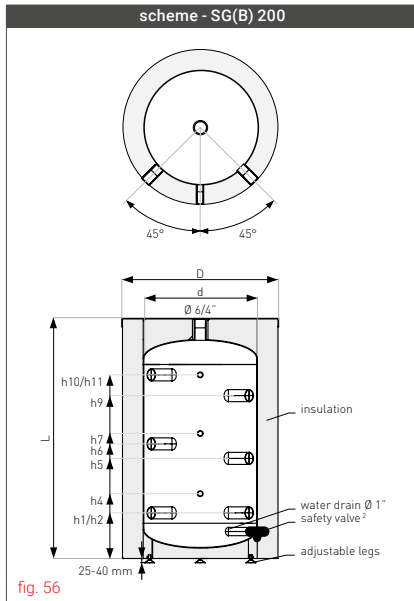
\* Details in the warranty card.

# BUFFERS, NON-ENAMELLED VESSELS WITHOUT SPIRAL COILS - TYPE SG(B)

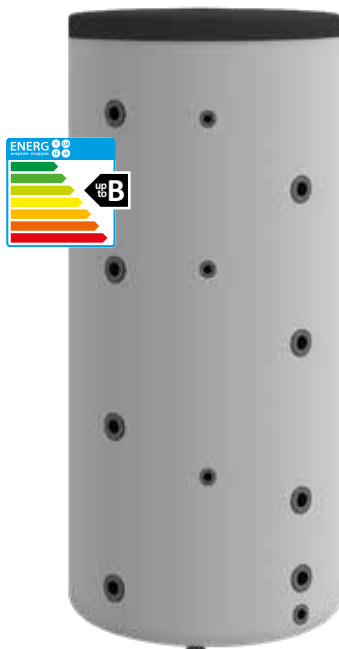
Technical specification - SG(B) 200-5000

| specification   | unit   | SG(B)     |            |            |            |            |            |            |            |            |            |            |
|---|--------|-----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
|   |        | 200       | 300        | 400        | 500        | 800        | 1000       | 1500       | 2000       | 3000       | 4000       | 5000       |
| storage capacity <sup>1</sup>   | l      | 223       | 322        | 396        | 467        | 728        | 883        | 1479       | 2023       | 2941       | 3985       | 4981       |
| ErP  polyurethane foam<br>Neodul®   | -      | B         | B          | C          | C          | -          | -          | -          | -          | -          | -          | -          |
| tank's maximum working pressure   | MPa    | 0,3       | 0,3        | 0,3        | 0,3        | 0,3        | 0,3        | 0,3        | 0,3        | 0,3        | 0,3        | 0,3        |
| tank's maximum working temperature  | °C     | 95        | 95         | 95         | 95         | 95         | 95         | 95         | 95         | 95         | 95         | 95         |
| 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 / 375  | 6/4 / 385  | 6/4 / 425  | 6/4 / 445  | 6/4 / 445  |
| h2 - 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 / 375  | 6/4 / 385  | 6/4 / 425  | 6/4 / 445  | 6/4 / 445  |
| h3 - CH boiler water inflow (int. thread)   | " / mm | -         | 6/4 / 410  | 6/4 / 445  | 6/4 / 485  | 6/4 / 435  | 6/4 / 500  | 6/4 / 700  | 6/4 / 660  | 6/4 / 725  | 6/4 / 675  | 6/4 / 760  |
| h4 - sleeve for the sensor cover I (Ø)  | " / mm | 1/2 / 315 | 1/2 / 500  | 1/2 / 565  | 1/2 / 565  | 1/2 / 570  | 1/2 / 570  | 1/2 / 915  | 1/2 / 800  | 1/2 / 830  | 1/2 / 790  | 1/2 / 920  |
| h5 - 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  | 6/4 / 1040 | 6/4 / 910  | 6/4 / 1075 |
| h6 - 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 | 6/4 / 1365 | 6/4 / 1140 | 6/4 / 1390 |
| h7 - sleeve for the sensor cover II (Ø, 200 l)<br>or CH boiler water inflow (int. thread, 300-5000 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 | 6/4 / 1685 | 6/4 / 1365 | 6/4 / 1705 |
| h8 - sleeve for the sensor cover III (Ø)  | " / mm | -         | 1/2 / 975  | 1/2 / 1015 | 1/2 / 1180 | 1/2 / 1020 | 1/2 / 1240 | 1/2 / 1640 | 1/2 / 1480 | 1/2 / 1685 | 1/2 / 1365 | 1/2 / 1705 |
| h9 - 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 | 6/4 / 2000 | 6/4 / 1605 | 6/4 / 2020 |
| h10 - 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 | 6/4 / 2250 | 6/4 / 1840 | 6/4 / 2335 |
| h11 - sleeve for the sensor cover IV (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 | 1/2 / 2250 | 1/2 / 1840 | 1/2 / 2335 |
| d - internal diameter   | mm     | 550       | 550        | 600        | 600        | 790        | 790        | 900        | 1100       | 1250       | 1600       | 1600       |
| D - external diameter   | mm     | 670       | 670        | 700        | 700        | 950        | 950        | 1100       | 1300       | 1450       | 1800       | 1800       |
| L - height  | mm     | 1140      | 1615       | 1685       | 1925       | 1730       | 2050       | 2700       | 2500       | 2750       | 2355       | 2855       |
| height when tilted  | mm     | -         | -          | -          | -          | 1995       | 2270       | 2920       | 2820       | 3120       | 2970       | 3380       |
| net weight<br>(without insulation, without spiral coils)  | kg     | 56        | 75         | 104        | 118        | 125        | 158        | 186        | 242        | 315        | 395        | 455        |

All connections are located 45° to the left and right from the front of the buffer tank.  
Buffer types 200-500 are equipped with adjustable feet; all types above 800 are placed on a ring.



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



pic. 41  
SG(B) 300 in Neodul® insulation

## SG(B)

| cat. no.   | type | description  | EAN code      |
|------------|------|--|---------------|
| 70-200000  | 200  |  | 5901224702051 |
| 70-300000N | 300  | without spiral coils, polyurethane foam, artificial leather, non-enamelled             | 5901224316609 |
| 70-400000  | 400  |  | 5901224700057 |
| 70-500000  | 500  |  | 5901224712876 |
| 70-800600  | 800  |  | 5901224708145 |
| 70-100600  | 1000 | without spiral coils, detachable Neodul® insulation, artificial leather, non-enamelled | 5901224710742 |
| 70-150600  | 1500 |  | 5901224710155 |
| 80-200600  | 2000 |  | 5901224709876 |
| 80-300600  | 3000 | without spiral coils, detachable polyurethane foam, artificial leather, non-enamelled  | 5901224711893 |
| 80-400600  | 4000 |  | 5901224714009 |
| 80-500600  | 5000 |  | 5901224714016 |

## 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
  - soft detachable polyurethane foam (type 3000-5000) 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).
- ▶ All connections are located on the front of the tank.

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

- **with a capacity up to 10 000 l** (without spiral coils, detachable polyurethane foam, artificial leather, non-enamelled).
- **with a storage capacity of 1000 l** (without spiral coils, detachable Neodul® insulation, artificial leather, non-enamelled, height approx. 2300 mm, int./ext. diameter 990/790 mm), cat. no. 70-100600N.
- **without insulation 200-5000** (without spiral coils, non-enamelled).
- **for heating and cooling 200-1500** (without spiral coils, polyurethane foam, artificial leather, non-enamelled).

## Tinned copper coils for buffer tanks SG(B) 3000-5000 for self-assembly

| cat. no.  | description   | EAN code      |
|-----------|---|---------------|
| 40-501210 | 1,0 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810145 |
| 40-501218 | 1,8 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810152 |
| 40-501223 | 2,3 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224809897 |
| 40-501236 | 3,6 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810169 |
| 40-501245 | 4,5 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810176 |

\* 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.

# 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<br>Neodul®  | -              | B                          | B        | 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<br>Neodul®                      | -              | 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.

\* For type 2000 water drain 5/4".

<sup>1</sup> According to the (EU) 812/2013, 814/2013.

<sup>2</sup> Included with the device for self-assembly.

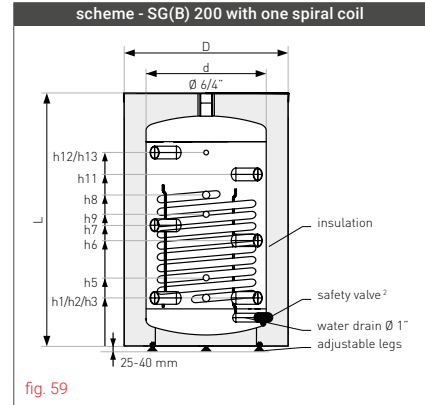


fig. 59

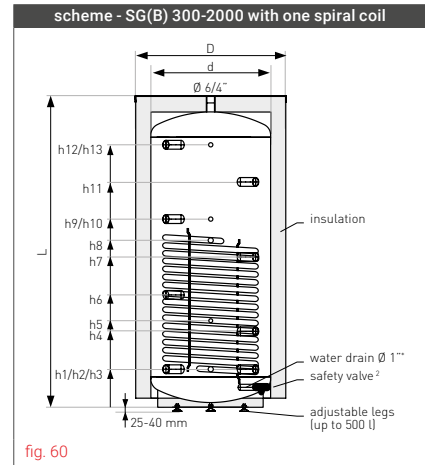


fig. 60

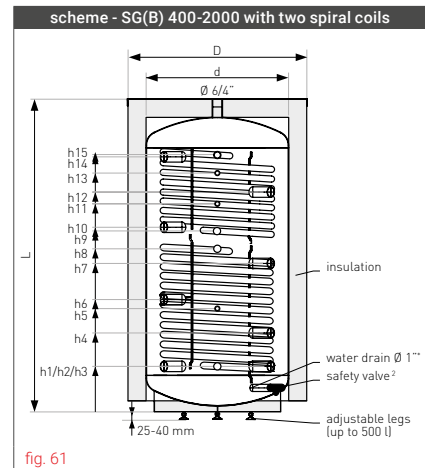


fig. 61

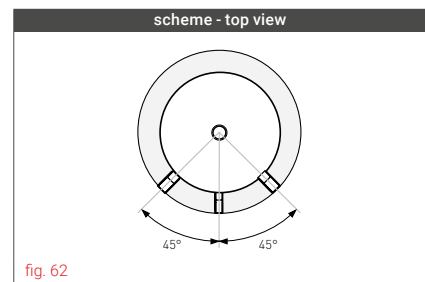
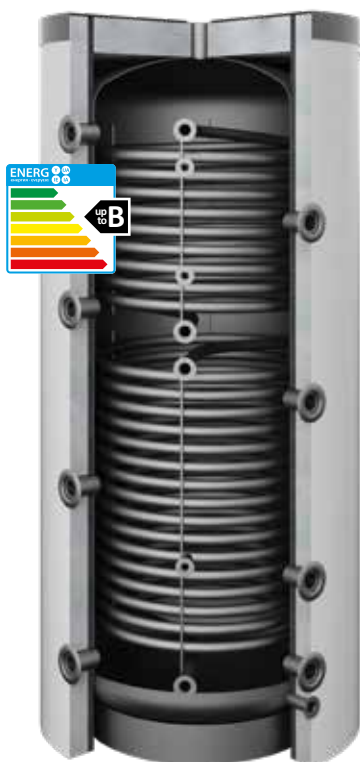


fig. 62



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  | spiral coil, polyurethane foam, artificial leather, non-enamelled                  | 5901224316715 |
| 71-400000  | 400  |  | 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.

# DHW TANKS WITHOUT SPIRAL COILS - TYPE SG(S) TOWER ACU

## Technical specification - SG(S) Tower Acu 100-140

| specification                                   | unit   | SG(S) Tower Acu |           |            |
|---|--------|-----------------|-----------|------------|
|   |        | 100             | 120       | 140        |
| storage capacity <sup>1</sup>                   | l      | 106             | 120       | 136        |
| ErP  polyurethane foam                          | -      | B               | B         | B          |
| tank's maximum working pressure                 | MPa    | 0,6             | 0,6       | 0,6        |
| tank's maximum working temperature              | °C     | 95              | 95        | 95         |
| magnesium anode top cover (5/4" plug)           | mm     | 25x310          | 25x310    | 25x310     |
| h1 - cold water inflow (int. thread)            | " / mm | 3/4 / 165       | 3/4 / 165 | 3/4 / 165  |
| h2 - sleeve for additional source (int. thread) | " / mm | 3/4 / 165       | 3/4 / 165 | 3/4 / 165  |
| h3 - sensor cover I (Ø)                         | " / mm | 1/2 / 300       | 1/2 / 300 | 1/2 / 300  |
| crk - circulation (int. thread)                 | " / mm | 3/4 / 450       | 3/4 / 450 | 3/4 / 450  |
| h4 - sensor cover II (Ø)                        | " / mm | 1/2 / 570       | 1/2 / 570 | 1/2 / 570  |
| h5 - DHW outflow (int. thread)                  | " / mm | 3/4 / 790       | 3/4 / 920 | 3/4 / 1070 |
| h6 - sleeve for additional source (int. thread) | " / mm | 3/4 / 790       | 3/4 / 920 | 3/4 / 1070 |
| d - internal diameter                           | mm     | 400             | 400       | 400        |
| D - external diameter                           | mm     | 518             | 518       | 518        |
| L - height                                      | mm     | 1040            | 1150      | 1290       |
| net weight                                      | kg     | 39              | 42        | 47         |

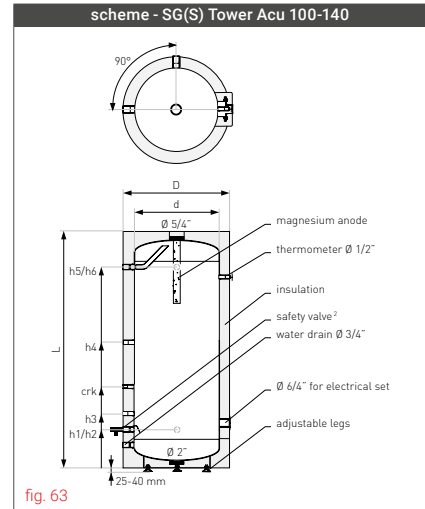


fig. 63

## Technical specification - SG(S) Tower Acu 200, 400, 500

| specification                                   | unit   | SG(S) Tower Acu |            |            |
|---|--------|-----------------|------------|------------|
|   |        | 200             | 400        | 500        |
| storage capacity <sup>1</sup>                   | l      | 210             | 420        | 523        |
| ErP  polyurethane foam                          | -      | B               | C          | B          |
| tank's maximum working pressure                 | MPa    | 1,0             | 1,0        | 1,0        |
| tank's maximum working temperature              | °C     | 95              | 95         | 95         |
| magnesium anode top cover (5/4" plug)           | mm     | 38x400          | 38x400     | 38x400     |
| anode insp. hole (M8 screw)                     | mm     | -               | 38x200     | 38x200     |
| h1 - cold water inflow (int. thread)            | " / mm | 1 / 210         | 1 / 240    | 1 / 260    |
| h2 - sleeve for additional source (int. thread) | " / mm | 1 / 210         | 1 / 240    | 1 / 260    |
| h3 - sensor cover I (Ø)                         | " / mm | 1/2 / 440       | 1/2 / 570  | 1/2 / 550  |
| h4 - sensor cover II (Ø)                        | " / mm | -               | 1/2 / 1100 | 1/2 / 1230 |
| crk - circulation (int. thread)                 | " / mm | 3/4 / 680       | 3/4 / 1200 | 3/4 / 1330 |
| h5 - DHW outflow (int. thread)                  | " / mm | 1 / 865         | 1 / 1480   | 1 / 1650   |
| h6 - sleeve for additional source (int. thread) | " / mm | 1 / 865         | 1 / 1480   | 1 / 1650   |
| d - internal diameter                           | mm     | 550             | 600        | 630        |
| D - external diameter                           | mm     | 670             | 700        | 755        |
| L - height                                      | mm     | 1100            | 1750       | 1950       |
| net weight                                      | kg     | 60              | 104        | 132        |

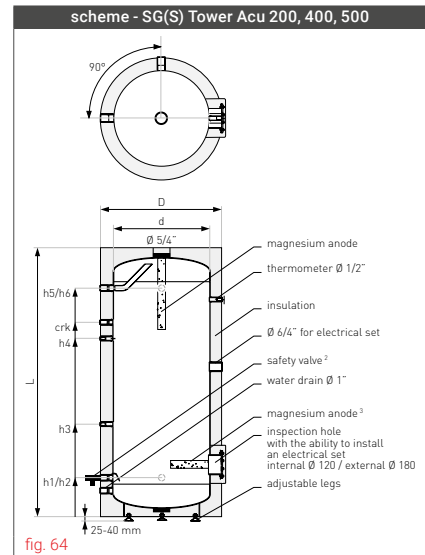


fig. 64

## Technical specification - SG(S) Tower Acu 300

| specification                                   | unit   | SG(S) Tower Acu |
|---|--------|-----------------|
|   |        | 300             |
| storage capacity <sup>1</sup>                   | l      | 322             |
| ErP  polyurethane foam                          | -      | B               |
| tank's maximum working pressure                 | MPa    | 1,0             |
| tank's maximum working temperature              | °C     | 95              |
| magnesium anode top cover (5/4" plug)           | mm     | 38x400          |
| anode insp. hole (M8 screw)                     | mm     | -               |
| h1 - cold water inflow (int. thread)            | " / mm | 1 / 130         |
| h2 - sleeve for additional source (int. thread) | " / mm | 1 / 220         |
| h3 - sensor cover I (Ø)                         | " / mm | 1/2 / 445       |
| h4 - sensor cover II (Ø)                        | " / mm | 1/2 / 825       |
| crk - circulation (int. thread)                 | " / mm | 3/4 / 925       |
| h5 - DHW outflow (int. thread)                  | " / mm | 1 / 1355        |
| h6 - sleeve for additional source (int. thread) | " / mm | 1 / 1355        |
| d - internal diameter                           | mm     | 550             |
| D - external diameter                           | mm     | 670             |
| L - height                                      | mm     | 1615            |
| net weight                                      | kg     | 88              |

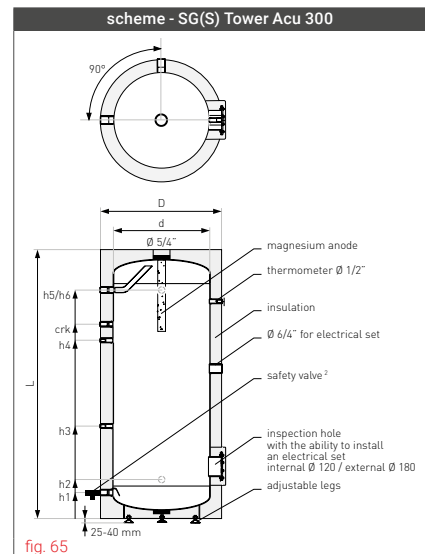


fig. 65

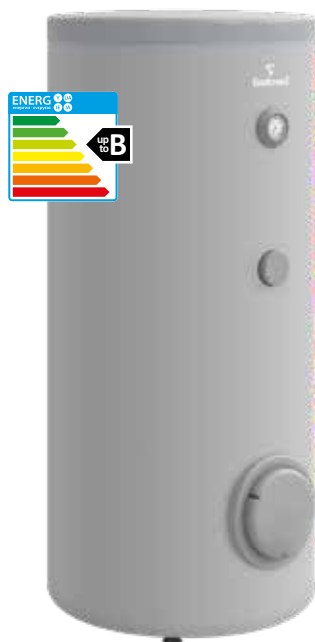
<sup>1</sup> According to the (EU) 812/2013, 814/2013.

<sup>2</sup> Included with the device for self-assembly.

<sup>3</sup> Applies to SG(S) Tower Acu 400-500.

DHW TANKS WITHOUT A COIL





pic. 44  
SG(S) Tower Acu 500

## SG(S) Tower Acu

| cat. no.   | type | description   | EAN code      |
|------------|------|---|---------------|
| 22-108000  | 100  |   | 5901224403002 |
| 22-128000  | 120  |   | 5901224403019 |
| 22-148000  | 140  |   | 5901224403026 |
| 22-208000  | 200  | without spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224500855 |
| 22-308000N | 300  |   | 5901224557323 |
| 22-408000N | 400  |   | 5901224557330 |
| 22-504000N | 500  |   | 5901224557347 |

For SG(S) water tanks we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types up to 300 (small titanium anode).
- for types between 400 and 500 (large single titanium anode).

### Advantages of the SG(S) Tower Acu

- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.



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

\* Details in the warranty card.

# DHW TANKS WITHOUT SPIRAL COILS - TYPE SG(S) TOWER ACU

## Technical specification - SG(S) Tower Acu 700-1500

| specification                                   | unit   | SG(S) Tower Acu        |                   |                   |
|---|--------|------------------------|-------------------|-------------------|
|   |        | 700                    | 1000              | 1500              |
| storage capacity <sup>1</sup>                   | l      | 705                    | 1019              | 1442              |
| ErP  polyurethane foam                          | -      | C                      | -                 | -                 |
| Neodul@   | -      | C                      | C                 | C                 |
| tank's maximum working pressure                 | MPa    | 1,0                    | 1,0               | 1,0               |
| tank's maximum working temperature              | °C     | 95                     | 95                | 95                |
| magnesium anode top cover (2" plug)             | mm     | 38x600                 | 38x600            | 38x600            |
| anode lower part of the tank (5/4" plug)        | mm     | 38x400                 | 38x400            | 38x400            |
| h1 - cold water inflow (int. thread)            | " / mm | 6/4 / 225              | 6/4 / 270         | 6/4 / 270         |
| h2 - sleeve for additional source (int. thread) | " / mm | 6/4 / 315              | 6/4 / 380         | 6/4 / 380         |
| h3 - sensor cover I (Ø)                         | " / mm | 1/2 / 605              | 1/2 / 600         | 1/2 / 600         |
| h4 - sensor cover II (Ø)                        | " / mm | 1/2 / 1285             | 1/2 / 1200        | 1/2 / 1630        |
| crk - circulation (int. thread)                 | " / mm | 5/4 / 1425             | 5/4 / 1290        | 5/4 / 1950        |
| h5 - DHW outflow (int. thread)                  | " / mm | 6/4 / 1705             | 6/4 / 1570        | 6/4 / 2250        |
| h6 - sleeve for additional source (int. thread) | " / mm | 6/4 / 1705             | 6/4 / 1570        | 6/4 / 2250        |
| d - internal diameter                           | mm     | 700                    | 900               | 900               |
| D - external diameter                           | mm     | 855/860 <sup>3</sup>   | 1060 <sup>3</sup> | 1100 <sup>3</sup> |
| L - height                                      | mm     | 2050/2080 <sup>3</sup> | 1990 <sup>3</sup> | 2680 <sup>3</sup> |
| height when tilted                              | mm     | 2220                   | 2230 <sup>3</sup> | 2860 <sup>3</sup> |
| net weight                                      | kg     | 195                    | 265               | 405               |

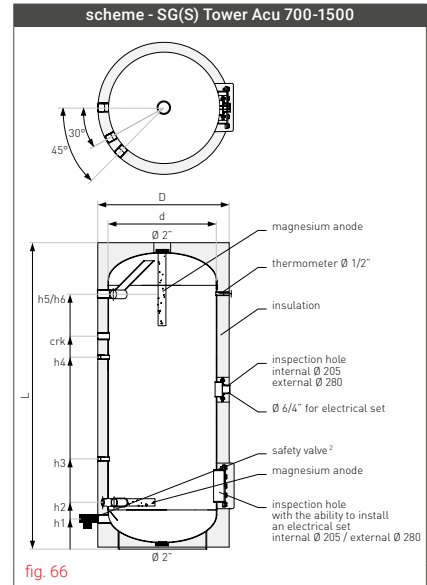


fig. 66

## Technical specification - SG(S) Tower Acu 2000-3000

| specification                                   | unit   | SG(S) Tower Acu |            |
|---|--------|-----------------|------------|
|   |        | 2000            | 3000       |
| storage capacity <sup>1</sup>                   | l      | 2040            | 3019       |
| ErP  Neodul@                                    | -      | C               | -          |
| tank's maximum working pressure                 | MPa    | 0,6             | 0,6        |
| tank's maximum working temperature              | °C     | 95              | 95         |
| titanium anode top cover (2" plug)              | mm     | -               | -          |
| anode lower part of the tank (5/4" plug)        | mm     | -               | -          |
| h1 - cold water inflow (int. thread)            | " / mm | 2 / 305         | 2 / 315    |
| h2 - sensor cover I (Ø) / anode (int. thread)   | " / mm | 1/2 / 475       | 1/2 / 485  |
| h3 - sensor cover II (Ø)                        | " / mm | 1/2 / 1155      | 1/2 / 1550 |
| h4 - circulation (int. thread)                  | " / mm | 5/4 / 1355      | 5/4 / 1920 |
| h5 - sleeve for additional source (int. thread) | " / mm | 2 / 1625        | 2 / 2265   |
| h6 - DHW outflow (int. thread)                  | " / mm | 2 / 2065        | 2 / 2675   |
| d - internal diameter                           | mm     | 1200            | 1200       |
| D - external diameter                           | mm     | 1400            | 1400       |
| L - height                                      | mm     | 2220            | 2820       |
| height when tilted                              | mm     | 2550            | 3150       |
| net weight                                      | kg     | 430             | 530        |

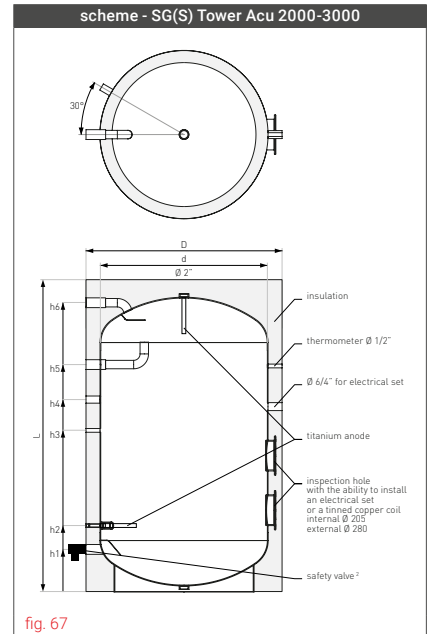


fig. 67

<sup>1</sup> According to the (EU) 812/2013, 814/2013.

<sup>2</sup> Included with the device for self-assembly.

<sup>3</sup> Neodul@ (detachable).



pic. 45  
SG(S) Tower Acu 2000  
in Neodul® insulation

## SG(S) Tower Acu

| cat. no.  | type | description   | EAN code      |
|-----------|------|---|---------------|
| 22-704000 | 700  | without spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode             | 5901224511806 |
| 22-704600 | 700  |   | 5901224515224 |
| 34-104600 | 1000 | without spiral coils, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode | 5901224514609 |
| 34-154600 | 1500 |   | 5901224516498 |
| 34-204608 | 2000 | without spiral coils, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, titanium anode  | 5901224553936 |
| 34-304608 | 3000 |   | 5901224554254 |

For SG(S) water tanks we recommend using a maintenance-free active titanium anode connected to the power outlet:

- for types between 700 and 1500 (large dual titanium anode).
- for types 2000 and 3000 (Maxi dual titanium anode) pre-installed as standard.

## Advantages of the SG(S) Tower Acu

- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium (700-1500) or titanium (2000-3000) anode.



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



pic. 46  
tinned copper coil

## Tinned copper coils\*\* for buffer tanks SG(S) Tower Acu 2000-3000 for self-assembly

| cat. no.  | description   | EAN code      |
|-----------|---|---------------|
| 40-501210 | 1,0 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810145 |
| 40-501218 | 1,8 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810152 |
| 40-501223 | 2,3 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224809897 |
| 40-501236 | 3,6 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810169 |
| 40-501245 | 4,5 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224810176 |
| 40-501263 | 6,3 m <sup>2</sup> (with enamelled flange Ø 280 + gasket) | 5901224834981 |

\* Details in the warranty card.

\*\* Except for the 6,34 m<sup>2</sup> coil.

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.

# ELECTRICAL SETS

## Technical specification - electrical set

| specification          | unit            | MB electrical sets |     | Selfa electrical sets |     |
|------------------------|-----------------|--------------------|-----|-----------------------|-----|
| heater power           | kW              | 2                  | 3   | 2                     | 3   |
| voltage                | V               | 230                |     | 230                   |     |
| range of working temp. | °C              | 20 ÷ 70            |     | 20 ÷ 70               |     |
| installation           | "               | head thread 5/4    |     | head thread 6/4       |     |
| submerging length      | mm              | 370                | 360 | 297                   | 355 |
| protection             | A               | 16                 |     | 16                    |     |
| connection cable       | mm <sup>2</sup> | 3 x 1              |     | 3 x 1                 |     |
| cold zone              | mm              | 55                 |     | 55                    |     |
| protection class       | IP              | 44                 |     | 44                    |     |

| specification          | unit            | electrical sets - elektronik |     |
|------------------------|-----------------|------------------------------|-----|
| heater power           | kW              | 4,5                          | 6   |
| voltage                | V               | 3 ~ 400                      |     |
| range of working temp. | °C              | 5 ÷ 75                       |     |
| installation           | "               | head thread 6/4              |     |
| submerging length      | mm              | 410                          | 480 |
| protection             | A               | 10                           | 16  |
| connection cable       | mm <sup>2</sup> | 5 x 1,5                      |     |
| cold zone              | mm              | 90                           |     |
| protection class       | IP              | 44                           |     |

| specification          | unit            | electrical sets - manual |         |         |       |
|------------------------|-----------------|--------------------------|---------|---------|-------|
| heater power           | kW              | 4,5                      | 6       | 9       | 12    |
| voltage                | V               | 3 ~ 400                  |         |         |       |
| range of working temp. | °C              | 25 ÷ 75                  |         |         |       |
| installation           | "               | head thread 6/4          |         |         |       |
| submerging length      | mm              | 410                      | 480     | 600     | 600   |
| protection             | A               | 10                       | 16      | 16      | 20    |
| connection cable       | mm <sup>2</sup> | 5 x 1,5                  | 5 x 1,5 | 5 x 2,5 | 5 x 4 |
| cold zone              | mm              | 90                       |         | 90      |       |
| protection class       | IP              | 44                       |         |         |       |

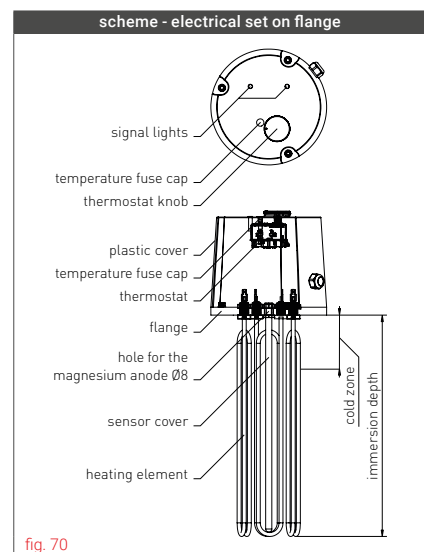
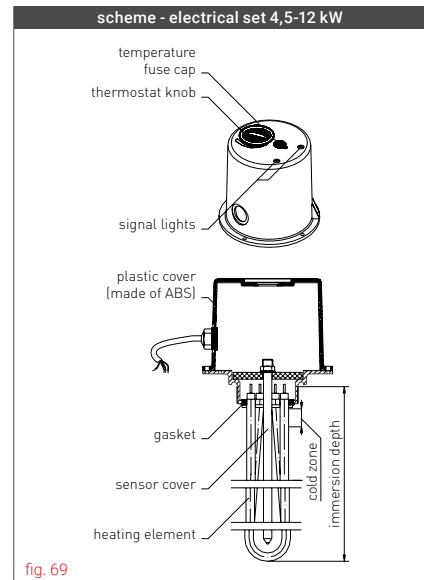
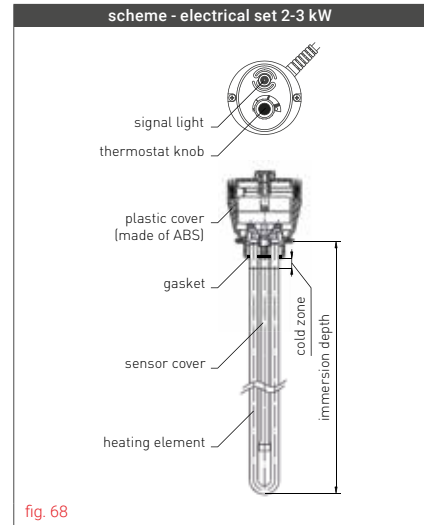
## Technical specification of the electrical sets on flange Ø 180

| specification          | unit            | electrical sets - flange Ø 180 |         |
|------------------------|-----------------|--------------------------------|---------|
| heater power           | kW              | 2                              | 3       |
| voltage                | V               | 230~                           |         |
| range of working temp. | °C              | 10 (±7) ÷ 73 (±4)              |         |
| installation           | "               | flange Ø 180                   |         |
| submerging length      | mm              | 450                            | 500     |
| protection             | A               | 16                             |         |
| connection cable       | mm <sup>2</sup> | 3 x 1,5                        | 3 x 1,5 |
| cold zone              | mm              | 80                             |         |
| protection class       | IP              | 24                             |         |

| specification          | unit            | electrical sets - flange Ø 180 |         |         |         |
|------------------------|-----------------|--------------------------------|---------|---------|---------|
| heater power           | kW              | 4,5                            | 6       | 9       | 12      |
| voltage                | V               | 3/PE ~ 400                     |         |         |         |
| range of working temp. | °C              | 25 ÷ 70°C ±5                   |         |         |         |
| installation           | "               | flange Ø 180                   |         |         |         |
| submerging length      | mm              | 450                            | 450     | 500     | 500     |
| protection             | A               | 10                             | 16      | 16      | 20      |
| connection cable       | mm <sup>2</sup> | 5 x 2,5                        | 5 x 2,5 | 5 x 2,5 | 5 x 2,5 |
| cold zone              | mm              | 80                             |         |         |         |
| protection class       | IP              | 24                             |         |         |         |

## Technical specification of the electrical sets on flange Ø 280

| specification          | unit            | electrical sets - flange Ø 280 |         |       |       |
|------------------------|-----------------|--------------------------------|---------|-------|-------|
| heater power           | kW              | 9                              | 12      | 18    | 24    |
| voltage                | V               | 3/PE ~ 400V                    |         |       |       |
| range of working temp. | °C              | 25 ÷ 77°C ±5                   |         |       |       |
| installation           | "               | flange Ø 280                   |         |       |       |
| submerging length      | mm              | 500                            | 500     | 650   | 650   |
| protection             | A               | 20                             | 20      | 32    | 35    |
| connection cable       | mm <sup>2</sup> | 5 x 2,5                        | 5 x 2,5 | 5 x 4 | 5 x 6 |
| cold zone              | mm              | 80                             |         |       |       |
| protection class       | IP              | 24                             |         |       |       |





pic. 47  
electrical set GE 2-3 kW



pic. 48  
electrical set 4,5-12 kW



pic. 49  
electrical set 4,5-12 kW  
on flange Ø 180

## Electrical sets

| cat. no.  | description  | EAN code      |
|-----------|--|---------------|
| 41-020001 | electrical set with heater 2 kW 230 V - K5/4"              | 5901224800023 |
| 41-020002 | electrical set with heater 2 kW 230 V - K5/4"              | 5901224832710 |
| 41-030001 | electrical set with heater 3 kW 230 V - K5/4"              | 5901224802461 |
| 41-020011 | electrical set with heater 2 kW 230 V - K6/4"              | 5901224800030 |
| 41-030011 | electrical set with heater 3 kW 230 V - K6/4"              | 5901224802577 |
| 41-045010 | electrical set with heater 4,5 kW 400 V - K6/4"            | 5901224802553 |
| 41-060010 | electrical set with heater 6 kW 400 V - K6/4"              | 5901224802546 |
| 41-090010 | electrical set with heater 9 kW 400 V - K6/4"              | 5901224802591 |
| 41-120010 | electrical set with heater 12 kW 400 V - K6/4"             | 5901224802607 |
| 41-045015 | electrical set with heater 4,5 kW 400 V - K6/4" Elektronik | 5901224803826 |
| 41-060015 | electrical set with heater 6 kW 400 V - K6/4" Elektronik   | 5901224803833 |

## Electrical sets on flange Ø 180

| cat. no.  | description   | EAN code      |
|-----------|---|---------------|
| 41-020021 | electrical set with heater 2 kW 230 V flange Ø 180 mm   | 5901224835995 |
| 41-030021 | electrical set with heater 3 kW 230 V flange Ø 180 mm   | 5901224835957 |
| 41-045021 | electrical set with heater 4,5 kW 400 V flange Ø 180 mm | 5901224835919 |
| 41-060021 | electrical set with heater 6 kW 400 V flange Ø 180 mm   | 5901224835872 |
| 41-090021 | electrical set with heater 9 kW 400 V flange Ø 180 mm   | 5901224835858 |
| 41-120021 | electrical set with heater 12 kW 400 V flange Ø 180 mm  | 5901224835834 |

## Electrical sets on flange Ø 280

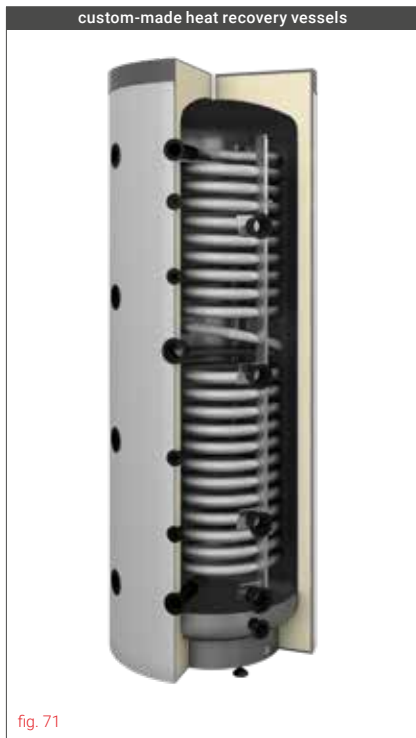
| cat. no.  | description  | EAN code      |
|-----------|--|---------------|
| 41-090020 | electrical set with heater 9 kW 400 V flange Ø 280 mm  | 5901224818844 |
| 41-120020 | electrical set with heater 12 kW 400 V flange Ø 280 mm | 5901224813702 |
| 41-180020 | electrical set with heater 18 kW 400 V flange Ø 280 mm | 5901224813719 |
| 41-240020 | electrical set with heater 24 kW 400 V flange Ø 280 mm | 5901224813726 |

## Selection table of the electrical sets

| Type                                     | 5/4" plug |           | 6/4" plug |           |           |           |           | flange Ø 180 |           |           |           |           | flange Ø 280 |           |           |           |           |           |           |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|--------------|-----------|-----------|-----------|-----------|-----------|-----------|
|  | 41-020001 | 41-020002 | 41-030001 | 41-020011 | 41-030011 | 41-045010 | 41-045015 | 41-060010    | 41-060015 | 41-090010 | 41-120010 | 41-020021 | 41-030021    | 41-045021 | 41-060021 | 41-090021 | 41-120021 | 41-180020 | 41-240020 |
| SGW(S) Rondo Premium 120-140             | •         | •         | •         |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SG(S) Fusion 100                         | •         | •         | •         |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SGW(S) Vulcan Kombi 100-140              |           | •         |           |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SGW(S) Vulcan Kombi 200                  |           |           | •         | •         | •         | •         | •         | •            |           |           |           |           |              |           |           |           |           |           |           |
| SGW(S) Mini Tower 100-140                | •         | •         | •         |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SGW(S) Tower 200-300                     |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S) Tower 400-500                     |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S) Big Tower 700-1500                |           |           |           |           | •         | •         | •         | •            |           |           |           |           |              |           |           |           | •         | •         | •         |
| SGW(S) Tower Slim 200-300                |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S) Tower Slim 800-1000               |           |           |           |           | •         | •         | •         | •            |           |           |           |           |              |           |           |           | •         | •         | •         |
| SGW(S)B Tower Biwal 200-300              |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S)B Tower Biwal 400-500              |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S)B Big Tower Biwal 700-1500         |           |           |           |           | •         | •         | •         | •            |           |           |           |           |              |           |           |           | •         | •         | •         |
| SGW(S)B Tower Biwal Slim 200-300         |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S)B Tower Biwal Slim 800-1000        |           |           |           |           | •         | •         | •         | •            |           |           |           |           |              |           |           |           | •         | •         | •         |
| SG(S) Tower Acu 100-140                  | •         | •         | •         |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SG(S) Tower Acu 200-300                  |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SG(S) Tower Acu 400-500                  |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SG(S) Tower Acu 700-1500                 |           |           |           |           | •         | •         | •         | •            |           |           |           |           |              |           |           |           | •         | •         | •         |
| SG(S) Tower Acu 2000-3000                |           |           |           |           |           |           |           |              |           |           | •         | •         |              |           |           |           | •         | •         | •         |
| SGW(S) Maxi 250-300                      |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S) Maxi 400-500                      |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S) Maxi 700-1000 <sup>1</sup>        |           |           |           |           | •         | •         | •         | •            |           |           |           |           |              |           |           |           | •         | •         | •         |
| SGW(S)B Maxi Plus 300-500                |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S)B Maxi Plus 800-1000               |           |           |           |           | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S) Tower Grand 160-300               |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S) Tower Grand 400-500               |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S)B Tower Biwal Max 200-300          |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S)B Tower Biwal Max 400-500          |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S)M Tower Multi 200-300              |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SGW(S)M Tower Multi 400-500              |           |           | •         | •         | •         | •         | •         | •            |           |           | •         | •         | •            | •         | •         | •         |           |           |           |
| SG(K) Kumulo 300/80-300/120              |           |           | •         | •         | •         | •         | •         | •            |           |           |           |           |              |           |           |           |           |           |           |
| SG(K) Kumulo 500/160-1000/200            |           |           | •         | •         | •         | •         | •         | •            |           |           | •         |           |              |           |           |           |           |           |           |
| SG(K) Complete 250/135                   |           |           | •         | •         | •         | •         | •         | •            |           |           |           |           |              |           |           |           |           |           |           |
| SG(K)M Multi-Inox 600-2000               |           |           | •         | •         | •         | •         | •         | •            |           |           | •         |           |              |           |           |           |           |           |           |
| SG(B) 40-140                             |           |           | •         |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SG(B) 200-300                            |           |           |           |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SG(B) 400-2000                           |           |           |           |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SG(B) 3000-5000                          |           |           |           |           |           |           |           |              |           |           |           |           |              |           |           |           |           |           |           |
| SG(B) with max. size spiral coil 250-500 |           |           | •         | •         | •         | •         | •         | •            |           |           |           |           |              |           |           |           | •         | •         | •         |

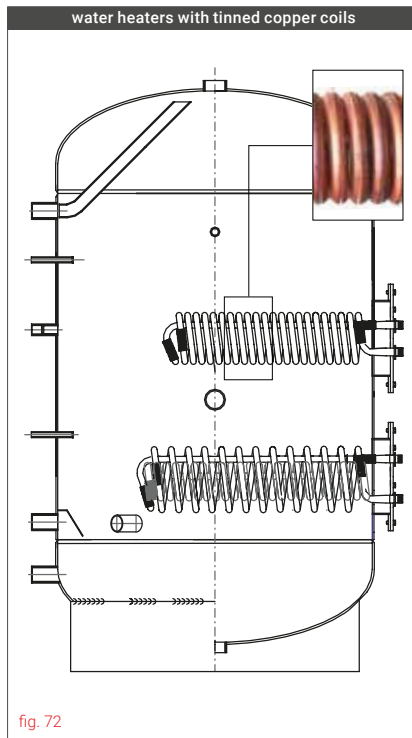
<sup>1</sup> For types SGW(S) Maxi 800 and 1000 with maximum size spiral coil 9,0 and 12,0 m<sup>2</sup> - electrical set on flange Ø 280 only.

## CUSTOM-MADE WATER HEATERS



Available types: 80, 100, 120, 140

- ▶ surface 0,9 m<sup>2</sup>
- ▶ refrigerant R134a
- ▶ tank's max. working pressure 25 bar



It is possible to install additional corrugated, tinned copper coils on flanges in water heaters from 200 to 1500:  
1,0 m<sup>2</sup> / 1,8 m<sup>2</sup> / 2,3 m<sup>2</sup> / 3,6 m<sup>2</sup> / 4,5 m<sup>2</sup>






Ability to connect the tanks through flanges, which minimizes pressure losses and facilitates the flow of water between the tanks in the heating system.



If you have any questions regarding the selection, installation, purchasing or anything in between, feel free to contact us at [export@galmef.com.pl](mailto:export@galmef.com.pl)

## AVAILABLE COLOURS

The standard colour for a jacket made of artificial leather is grey; the following colours are also available:

-  red - cat. no. ends in 30
-  blue - cat. no. ends in 50
-  white - cat. no. ends in 70

# ACCESSORIES AND SPARE PARTS

| no. | cat. no.  | item   |
|-----|-----------|--|
| 1   | M-010817  | Active titanium anode (small) with a power adapter and a 5/4" plug   |
| 2   | M-010927  | Active titanium anode (large) with a power adapter and a 5/4" plug   |
| 3   | M-000650  | Active titanium anode (large) with a power adapter and M8 screw (without a plug)                                     |
| 4   | M-000355  | Active titanium anode (small) with a power adapter and M8 screw (without a plug)                                     |
| 5   | M-004420  | Active titanium anode (double large) with a power adapter and M8 screw (without a plug)                              |
| 6   | M-007342  | Active titanium anode (double large Maxi) with a power adapter and M8 screw - only for SGW(S)B 1500 (without a plug) |
| 7   | M-007910  | Magnesium anode Ø18x40 on a rod 85 M6, Mars  |
| 8   | M-003053  | Magnesium anode Ø18x40 M6  |
| 9   | M-006333  | Magnesium anode Ø22x40 on a rod 160 mm M6, 5-10 l  |
| 10  | M-006316  | Magnesium anode Ø25x190 on a rod 200 mm M6, Longer 50-80 l   |
| 11  | 40-262200 | Magnesium anode Ø25x310 5/4" brass plug  |
| 12  | M-000004  | Magnesium anode Ø25x310 M8 screw   |
| 13  | 40-263300 | Magnesium anode Ø25x390 2" brass plug  |
| 14  | 40-262300 | Magnesium anode Ø25x390 5/4" brass plug  |
| 15  | M-000005  | Magnesium anode Ø25x390 M8 screw   |
| 16  | M-006317  | Magnesium anode Ø25x80 on a rod 200 mm M6, Longer 30 l   |
| 17  | 40-262302 | Magnesium anode Ø26x550 5/4" brass plug, SGW(S) Vulcan Kombi 100-140 l   |
| 18  | M-000628  | Magnesium anode Ø25x550 M8 screw, SGW(S) Vulcan Kombi 100-140 l  |
| 19  | 40-262400 | Magnesium anode Ø33x200 5/4" brass plug  |
| 20  | 40-262500 | Magnesium anode Ø33x250 5/4" brass plug  |
| 21  | M-005148  | Magnesium anode Ø38x200 M8 screw   |
| 22  | 40-263500 | Magnesium anode Ø38x400 2" brass plug  |
| 23  | 40-263800 | Magnesium anode Ø38x400 5/4" brass plug  |
| 24  | M-001803  | Magnesium anode Ø38x400 M8 screw   |
| 25  | 40-263900 | Magnesium anode Ø38x600 2" brass plug  |
| 26  | 40-263901 | Magnesium anode Ø38x600 5/4" brass plug  |
| 27  | M-000008  | Above-basin tap - metal (no hoses)   |
| 28  | M-000010  | Below-basin three-way tap (with hoses)   |
| 29  | M-010259  | Electronic controller Neptun <sup>2</sup> Elektronik (ST-384 - new type)   |
| 30  | M-006383  | Electronic controller Neptun Elektronik (ST-383 - old type)  |
| 31  | M-007138  | Electronic controller Vulcan Elektronik Pro (ST-385)   |
| 32  | 40-130315 | Heater 1,5 kW 230 V for enamelled tank on flange Ø ext. 125 mm/5 screws (since 09.2017)                              |
| 33  | 40-130313 | Heater 1,5 kW 230 V for enamelled tank on flange Ø ext. 125 mm / 5 screws with Ø 10 mm hole (since 09.2017)          |
| 34  | 40-130300 | Heater 1,5 kW 230 V for enamelled tank on flange Ø ext. 125 mm / 5 screws, without anode                             |
| 35  | 40-130301 | Heater 1,5 kW 230 V for enamelled tank on flange Ø ext.125 mm / 6 screws, without anode                              |
| 36  | 40-130400 | Heater 1,5 kW 230 V 5/4" plug  |
| 37  | M-006281  | Heater 1,5 kW 230 V 5/4" plug + probe (5,10, Mars)   |
| 38  | M-003194  | Heater 1,5 kW, 230 V "Safety-pin" stainless element, without a plug  |
| 39  | 40-130615 | Heater 2 kW 230 V for enamelled tank on flange Ø ext. 125 mm / 5 screws (since 09.2017)                              |
| 40  | 40-130613 | Heater 2 kW 230 V for enamelled tank on flange Ø ext. 125 mm / 5 screws with Ø 10 mm hole (since 09.2017)            |
| 41  | 40-130600 | Heater 2 kW 230 V for enamelled tank on flange Ø ext.125 mm / 5 screws, without anode                                |
| 42  | 40-130601 | Heater 2 kW 230 V for enamelled tank on flange Ø ext.125 mm / 6 screws, without anode                                |
| 43  | 40-130607 | Heater 2 kW 230 V for enamelled tank on flange Ø ext. 125 mm / 5 screws, steel cover (before10.2017)                 |
| 44  | 40-130609 | Heater 2 kW 230 V for enamelled tank on flange Ø ext. 125 mm / 5 screws, steel cover (since 10.2017)                 |
| 45  | M-005722  | Heater 2 kW 230 V "Safety-pin" stainless element, without a plug   |
| 46  | 40-130610 | Heater for an electrical set 2 kW 230 V flange Ø 180   |
| 47  | 40-130620 | Heater for an electrical set 3 kW 230 V flange Ø 180   |
| 48  | 40-132400 | Heater for an electrical set 4,5 kW (3*1,5 kW) flange Ø 180  |
| 49  | 40-132300 | Heater for an electrical set 6 kW (3*2 kW) flange Ø 180  |
| 50  | 40-131710 | Heater for an electrical set 9 kW (3*3 kW) flange Ø 180  |
| 51  | 40-131810 | Heater for an electrical set 12 kW (3*4 kW) flange Ø 180   |
| 52  | 40-131910 | Heater for an electrical set 18 kW (3*6 kW) flange Ø 180   |
| 53  | 40-132010 | Heater for an electrical set 24 kW (3*8 kW) flange Ø 180   |
| 54  | 41-020001 | Electrical set GE with heater 2 kW 230V MB - K5/4" (I)   |
| 55  | 41-020002 | Electrical set GE with heater 2 kW 230V Selfa - K5/4" (I)  |
| 56  | 41-020011 | Electrical set GE with heater 2 kW 230V MB - K6/4" (I)   |
| 57  | 41-020012 | Electrical set GE with heater 2 kW 230V Selfa - K6/4" (I)  |
| 58  | 41-030001 | Electrical set GE with heater 3 kW 230V - K5/4" (I)  |
| 59  | 41-030011 | Electrical set GE with heater 3 kW 230V - K6/4" (I)  |
| 60  | 41-045010 | Electrical set GE with heater 4,5 kW 400V - K6/4"  |
| 61  | 41-045015 | Electrical set GE with heater 4,5 kW 400V - K6/4" Elektronik   |
| 62  | 41-060010 | Electrical set GE with heater 6 kW 400V - K6/4"  |
| 63  | 41-060015 | Electrical set GE with heater 6 kW 400V - K6/4" Elektronik   |
| 64  | 41-090010 | Electrical set GE with heater 9 kW 400V - K6/4"  |
| 65  | 41-120010 | Electrical set GE with heater 12 kW 400V - K6/4"   |

| no. | cat. no.  | item  |
|-----|-----------|---|
| 66  | 41-020021 | Electrical set GE with heater 2 kW 230V flange Ø 180 mm   |
| 67  | 41-030021 | Electrical set GE with heater 3 kW 230V flange Ø 180 mm   |
| 68  | 41-045021 | Electrical set GE with heater 4,5 kW 400V flange Ø 180 mm   |
| 69  | 41-060021 | Electrical set GE with heater 6 kW 400V flange Ø 180 mm   |
| 70  | 41-090021 | Electrical set GE with heater 9 kW 400V flange Ø 180 mm   |
| 71  | 41-120021 | Electrical set GE with heater 12 kW 400V flange Ø 180 mm  |
| 72  | 41-090020 | Electrical set GE with heater 9 kW 400V flange Ø 280 mm   |
| 73  | 41-120020 | Electrical set GE with heater 12 kW 400V flange Ø 280 mm  |
| 74  | 41-180020 | Electrical set GE with heater 18 kW 400V flange Ø 280 mm  |
| 75  | 41-240020 | Electrical set GE with heater 24 kW 400V flange Ø 280 mm  |
| 76  | M-005046  | Brass plug 1/2"   |
| 77  | M-006330  | Brass plug 2"   |
| 78  | 40-300106 | Brass plug 2" with Ø 8 mm hole  |
| 79  | M-006728  | Brass plug 2" with Ø 10 mm hole for mounting the titanium anode                                   |
| 80  | M-006329  | Brass plug 5/4"   |
| 81  | M-006900  | Brass plug 5/4" with Ø 8,2 mm hole  |
| 82  | 40-300107 | Brass plug 5/4" with Ø 10 mm hole for mounting the titanium anode                                 |
| 83  | M-005550  | Brass plug 6/4"   |
| 84  | 40-140432 | Heater control module SGW(S) Vulcan Kombi Elektronik  |
| 85  | 40-140201 | Heater control module up to 2 kW 230 V, large cover   |
| 86  | 40-140202 | Heater control module 3 kW, 230 V, large cover  |
| 87  | 40-140500 | Heater control module 4,5 kW and 6 kW 400 V   |
| 88  | 40-140700 | Heater control module 9 kW 400 V  |
| 89  | 40-140800 | Heater control module 12 kW 400 V   |
| 90  | 40-140900 | Heater control module 18 kW 400 V   |
| 91  | 40-141000 | Heater control module 24 kW 400 V   |
| 92  | 40-140200 | Heater control module up to 2 kW 230 V, small cover   |
| 93  | M-009814  | Plastic sleeve ext. thread 1"   |
| 94  | M-009815  | Plastic sleeve ext. thread 3/4"   |
| 95  | M-008880  | Temperature limiter 16A, up to 3 kW 230 V capillary   |
| 96  | M-000016  | Temperature limiter BOT 10A, up to 2 kW 230 V bimetallic  |
| 97  | M-008690  | O-ring 2"   |
| 98  | M-000075  | O-ring 5/4"   |
| 99  | M-008674  | O-ring 6/4"   |
| 100 | M-006559  | Sensor cover (probe) copper 1/2" L=100  |
| 101 | M-006497  | Sensor cover (probe) copper 1/2" L=200  |
| 102 | M-006499  | Sensor cover (probe) copper 3/4" L=110  |
| 103 | 40-300207 | Metal flange lid 125 mm with 5/4" coupling - 5 holes  |
| 104 | 40-300208 | Metal flange lid 125 mm with 5/4" coupling - 6 holes  |
| 105 | 40-300253 | Metal flange lid 125 mm with 6/4" coupling - 5 holes  |
| 106 | 40-300209 | Metal flange lid 125 mm with 6/4" coupling - 6 holes  |
| 107 | 40-300212 | Metal flange lid 180 mm - full  |
| 108 | 40-300230 | Flange lid Ø 180 mm with 6/4" coupling and a Ø 10 mm hole for mounting the titanium anode - steel |
| 109 | 40-300283 | Flange lid Ø 180 mm with a Ø 10 mm hole for mounting the titanium anode - steel                   |
| 110 | 40-300239 | Flange lid Ø 180 mm with a Ø 10 mm hole for mounting the titanium anode - steel                   |
| 111 | M-000037  | Bimetallic thermometer 66/G P/8 1/2" + copper cover 60 mm   |
| 112 | M-013616  | Bimetallic thermometer 66/G P/8 1/2" + copper cover 100 mm  |
| 113 | M-000040  | Thermostat 16A, 230 V CZ  |
| 114 | M-005267  | Thermostat EGO 4,5-12 kW 400 V  |
| 115 | M-000041  | Professional thermostat (for CH boiler's controller)  |
| 116 | 40-500108 | Flange gasket Ø 180 mm with a hole for mounting the magnesium anode                               |
| 117 | M-006536  | Flange gasket Ø 180 mm  |
| 118 | 40-500110 | Gasket Ø 96mm for a flange 125 mm - 5 or 6 screws (do 09.2017)                                    |
| 119 | 40-500121 | Gasket Ø 125/62 for a flange Ø 125 mm with 5/4" coupling - 5 screws                               |
| 120 | 40-500111 | Gasket Ø 96 for a flange with heater Ø ext. 125 mm  |
| 121 | 40-500122 | Gasket Ø 96/65 for a flange Ø 125 mm with 5/4" or 6/4" coupling - 6 screws                        |
| 122 | 40-500118 | Gasket Ø 125 mm (with a Ø 8 mm hole for mounting the anode)                                       |
| 123 | 40-500120 | Flange gasket Ø180 mm with three heaters  |
| 124 | M-005377  | Flange gasket Ø 260 mm for combined heat accumulation vessels                                     |
| 125 | M-005893  | Flange gasket with heater Ø ext. 125 mm / 5 screws  |
| 126 | M-010442  | Flange gasket with heater Ø ext. 125 mm - new type (since 10.2017)                                |
| 127 | 40-501210 | Tinned copper coil 1,0 m <sup>2</sup> (with enamelled flange Ø 280 + gasket)                      |
| 128 | 40-501218 | Tinned copper coil 1,8 m <sup>2</sup> (with enamelled flange Ø 280 + gasket)                      |
| 129 | 40-501223 | Tinned copper coil 2,3 m <sup>2</sup> (with enamelled flange Ø 280 + gasket)                      |
| 130 | 40-501236 | Tinned copper coil 3,6 m <sup>2</sup> (with enamelled flange Ø 280 + gasket)                      |
| 131 | 40-501245 | Tinned copper coil 4,5 m <sup>2</sup> (with enamelled flange Ø 280 + gasket)                      |
| 132 | 40-501263 | Tinned copper coil 6,3 m <sup>2</sup> (with enamelled flange Ø 280 + gasket)                      |
| 133 | M-000043  | Safety valve 6 bar 1/2" ZB-4  |
| 134 | M-000413  | Safety valve 6 bar 1/2" ZB-4 Slim   |
| 135 | M-000044  | Safety valve 6 bar 3/4" ZB-8  |
| 136 | M-006881  | Safety valve 9 bar 3/4" ZB-8  |