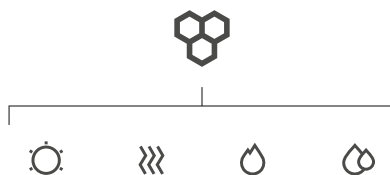




PRODUCT CATALOGUE

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

11/2023



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 Stanisław 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.


**hybrid
heating systems**




**solar
systems**


**heat
pumps**


**CH
boilers**


**water
heaters**

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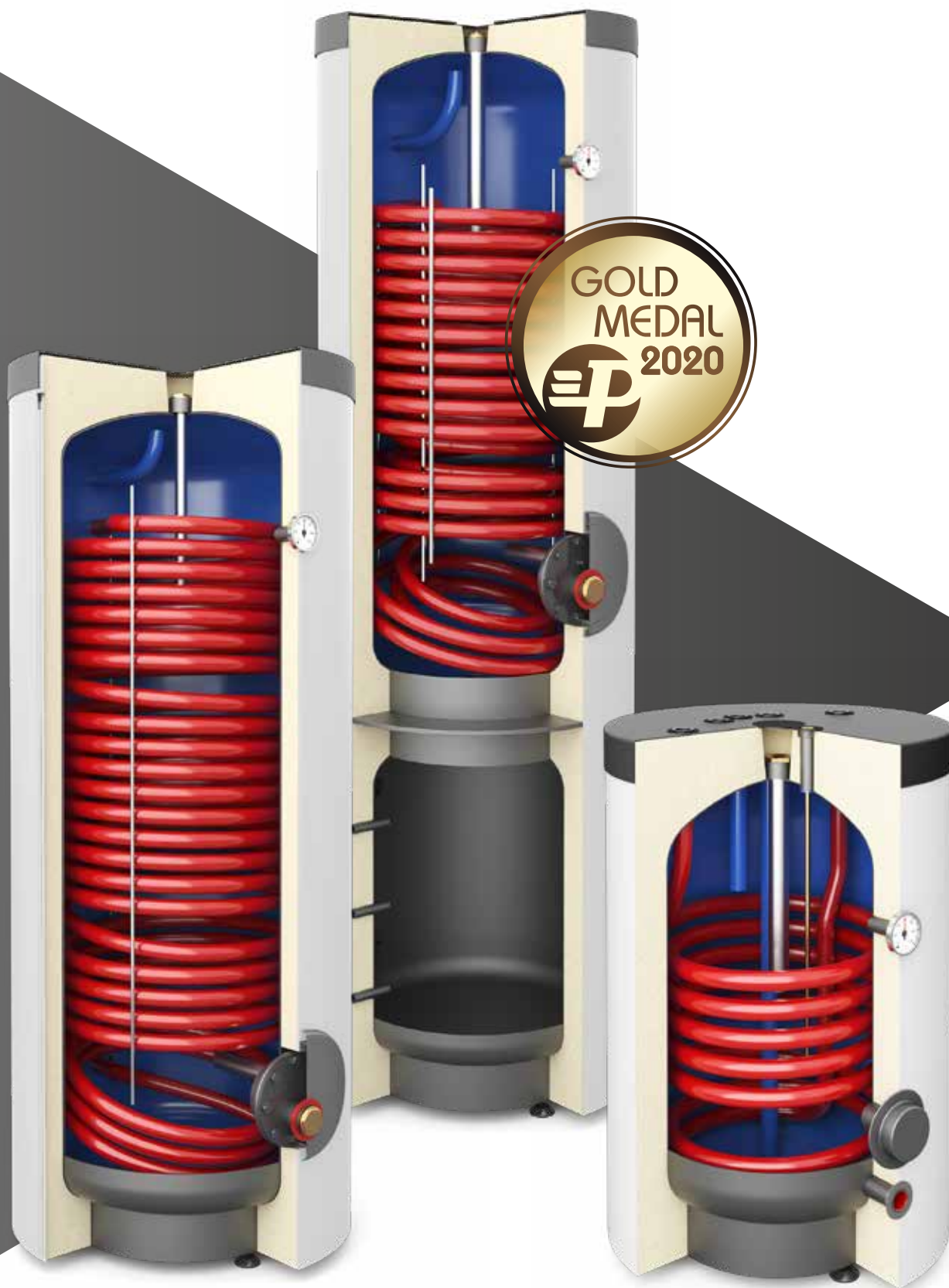
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WATER HEATERS

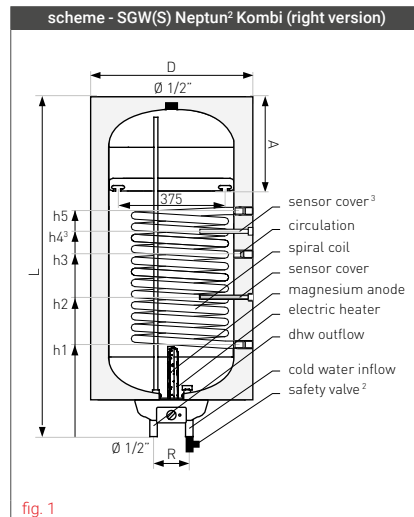
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INDIRECT WATER HEATERS WITH A SPIRAL COIL

TYPE SGW(S) NEPTUN² KOMBI

Technical specification - SGW(S) Neptun² Kombi (wall-mounted)

specification	unit	SGW(S) Neptun ² Kombi			
		80	100	120	140
storage capacity ¹	l	82	102	112	130
load profile ¹	-	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 ²	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 ³ /h	2,5	2,5	2,5	2,6
magnesium anode	bottom cover (M8 screw)	mm	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



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

² Included with the device for self-assembly.

³ Applies to SGW(S) Neptun² 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	spiral coil, polyurethane foam, metal casing, electric heater, EXTRA GLASS® ceramic enamel, magnesium anode (right version)	5901224413339
06-104670	100		5901224413353
06-124670	120		5901224413391
06-144670	140	spiral coil, polyurethane foam, metal casing, electric heater, EXTRA GLASS® ceramic enamel, magnesium anode (left version)	5901224413483
06-084671	80		5901224413346
06-104671	100		5901224413360
06-124671	120		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.

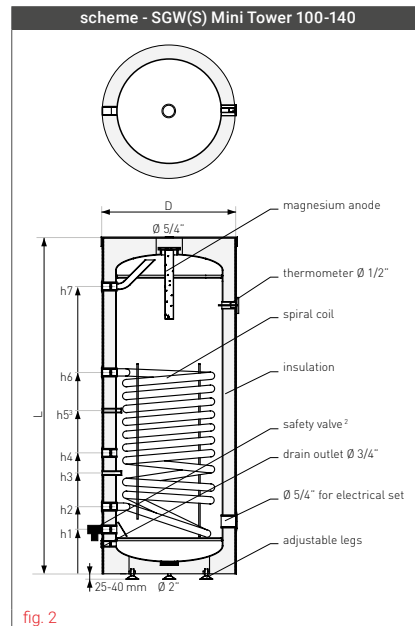
* Details in the warranty card.

INDIRECT WATER HEATERS WITH A SPIRAL COIL

TYPE SGW(S) MINI TOWER, VULCAN KOMBI

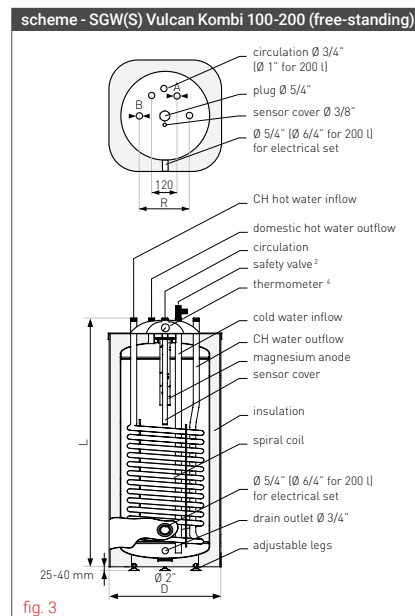
Technical specification - SGW(S) Mini Tower (free-standing)

specification	unit	SGW(S) Mini Tower		
		100	120	140
storage capacity ¹	l	102	114	129
ErP	polystyrene foam	C	C	C
	polyurethane foam	B	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 ²	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 ³ /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



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 ¹	l	101	113	140	194
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 ²	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 ⁵	kW	1,5	2,0	2,0	-
range of working temperatures ⁵	°C	Elektronik 5-75 (8-77 manual)			-
est. time to warm up the water to 40°C ⁵	h	2,0	1,9	2,2	-
demand for heating water from CH boiler	m ³ /h	2,5	2,5	2,5	2,6
magnesium anode top cover (5/4" plug) ⁶	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



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

² Included with the device for self-assembly.

³ Applies to SGW(S) Mini Tower 120-140.

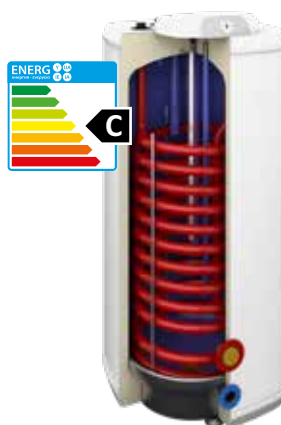
⁴ In type 200 water heaters the thermometer is located on the heater's housing.

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

⁶ 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	spiral coil, polystyrene foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224400117
26-124000	120		5901224400124
26-144000	140		5901224400131
26-108000	100	spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224409066
26-128000	120		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	spiral coil, polyurethane foam, metal casing, EXTRA GLASS® ceramic enamel, magnesium anode	5901224400612
26-125500	120		5901224400629
26-145500	140		5901224400636
26-205500	200		5901224503870

SGW(S) Vulcan Kombi (wall-mounted)

cat. no.	type	description	EAN code
26-105600	100	spiral coil, polyurethane foam, metal casing, EXTRA GLASS® ceramic enamel, magnesium anode	5901224400711
26-125600	120		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 ¹	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 ²	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	500	500
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

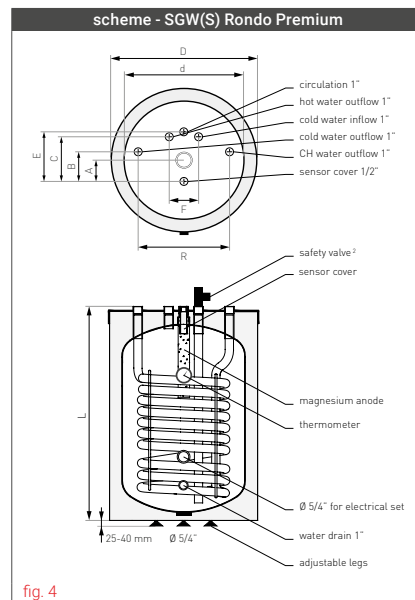


fig. 4

Technical specification - SG(S) Fusion

specification	unit	SG(S) Fusion 100	
storage capacity ¹	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 ³	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	

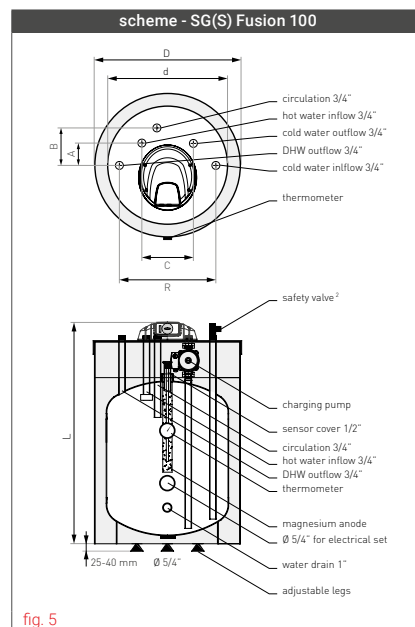


fig. 5

* Details in the warranty card.

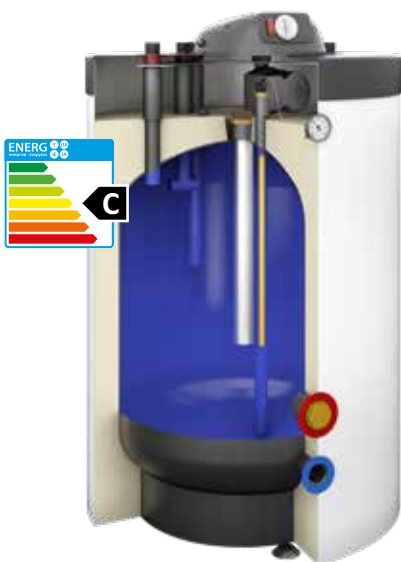
¹ According to the (EU) 812/2013, 814/2013.

² Included with the device for self-assembly.

³ Nominal power for DHW output of the boiler.



pic. 6
SGW(S) Rondo Premium



pic. 7
SG(S) Fusion

SGW(S) Rondo Premium

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

▶ 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.

▶ 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 ¹	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 ²	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 ¹	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 ²	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 ²	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

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

² Included with the device for self-assembly.

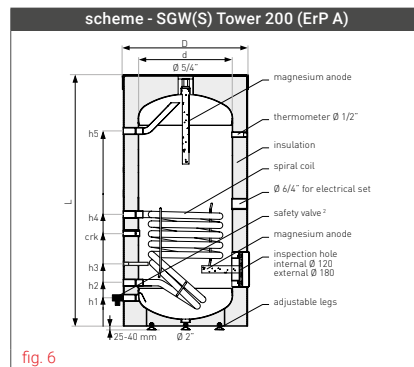


fig. 6

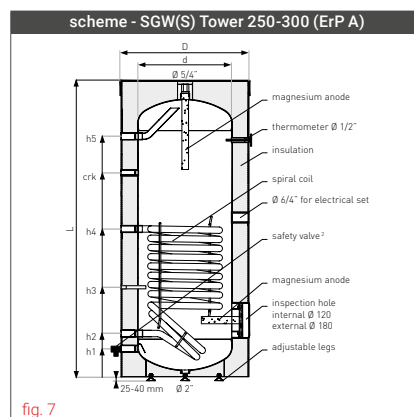


fig. 7

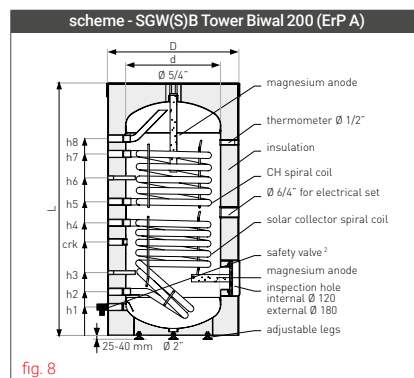


fig. 8

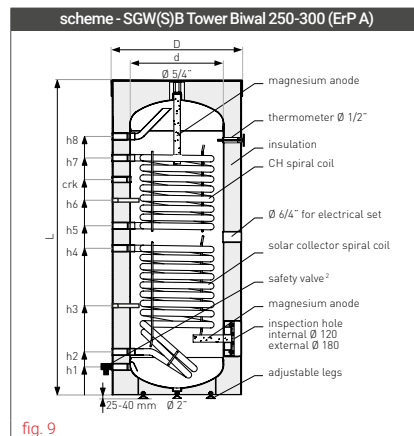
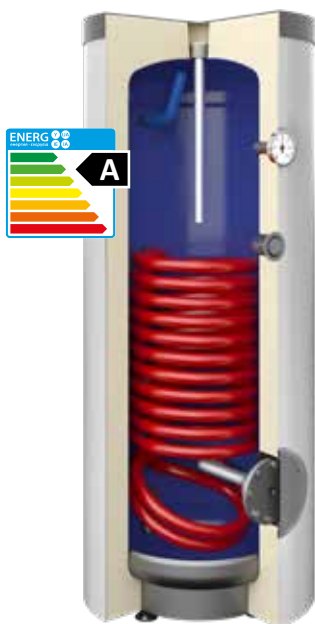


fig. 9



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



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

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

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.

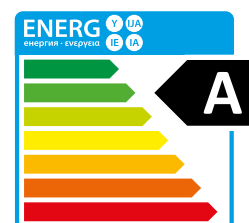
For SGW(S) Tower and SGW(S)B Tower Biwal in ErP A class water heaters we recommend using a maintenance-free active titanium anode connected to the power outlet.



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 m² garage. Currently, the production halls cover over **12,000 m²** 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 ¹	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 ²	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 top cover (5/4" plug)	mm	38x400	38x400	38x400	38x400	38x600
anode 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 ¹	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 ²	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 top cover (2" plug)	mm	38x600	38x600	38x600
anode 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 ³	1060 ³	1100 ³
L - height	mm	2050/2080 ³	1990 ³	2680 ³
net weight	kg	242	347	447

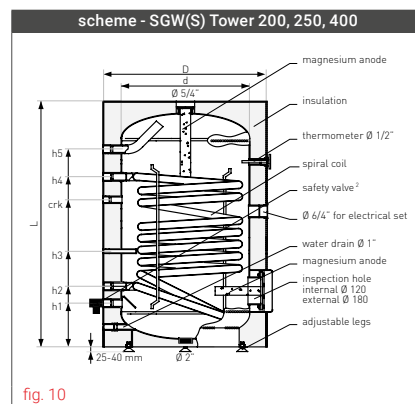


fig. 10

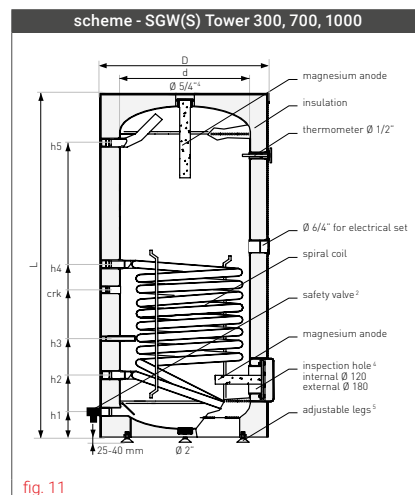


fig. 11

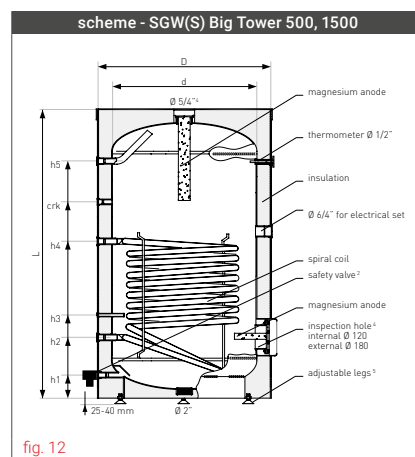


fig. 12

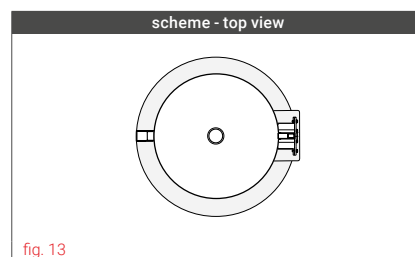


fig. 13

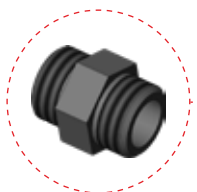
¹ According to the (EU) 812/2013, 814/2013.

² Included with the device for self-assembly.

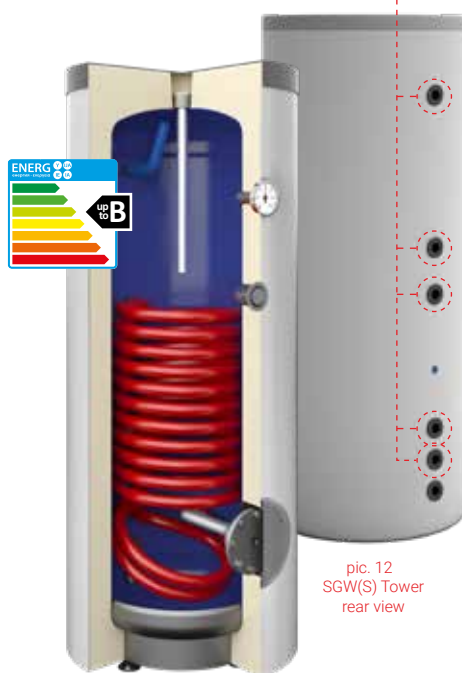
³ Neodul® (detachable).

⁴ For type 700-1500 insp. hole (int. Ø 205 mm / Ø ext. 280 mm).

⁵ 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	spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224500190
26-258000	250		5901224522499
26-308000N	300		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	spiral coil, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224557484
36-104600N	1000		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 ¹	l	205	247	292
ErP	polyurethane foam Neodul®	-	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	m ²	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 ³ /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 ¹	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 ²	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 ³ /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 ³	950 ³
L - height	mm	1990	2300
net weight	kg	285	332

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

² Included with the device for self-assembly.

³ Detachable insulation 80 mm, internal Ø 790 mm.

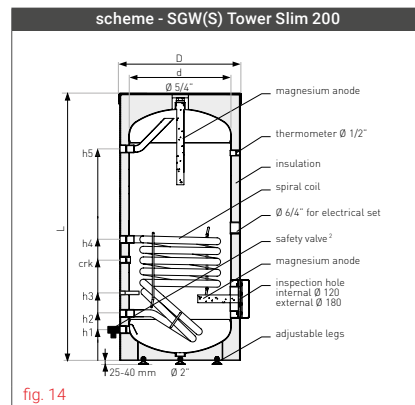


fig. 14

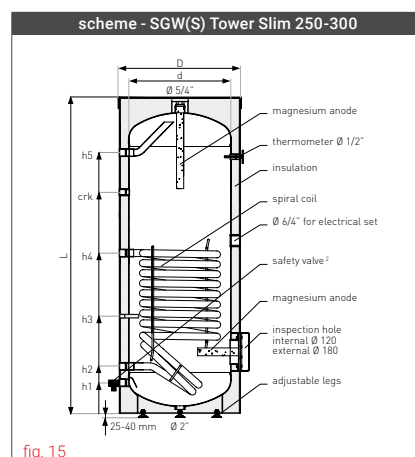


fig. 15

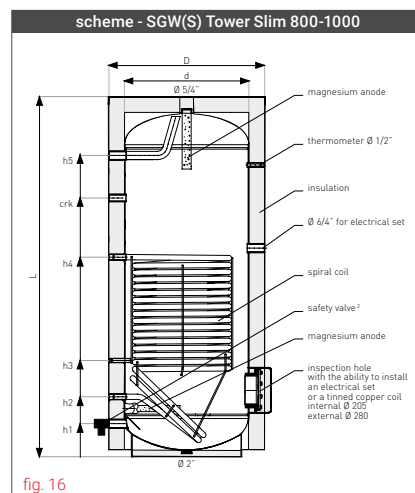


fig. 16

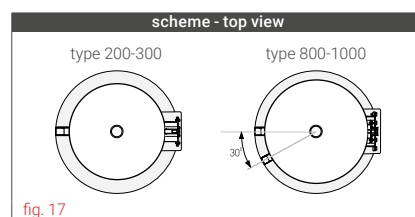


fig. 17



pic. 14
SGW(S) Tower Slim



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

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.

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

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



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.

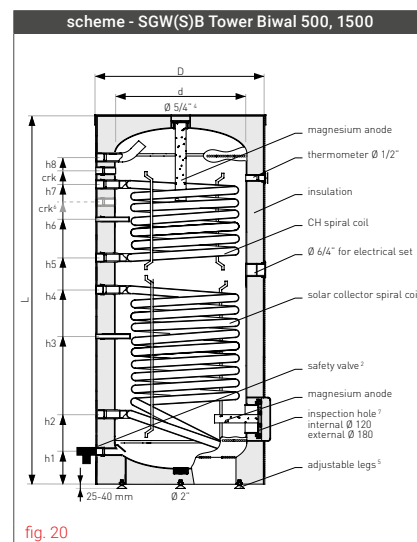
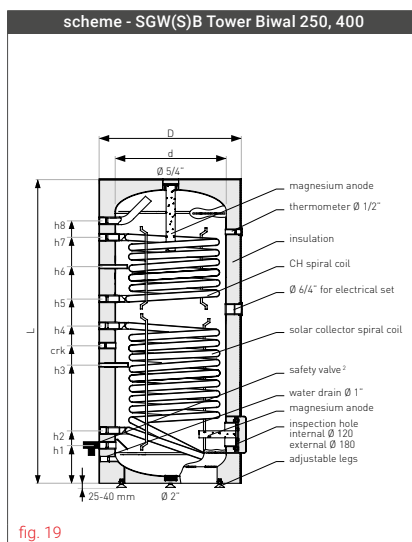
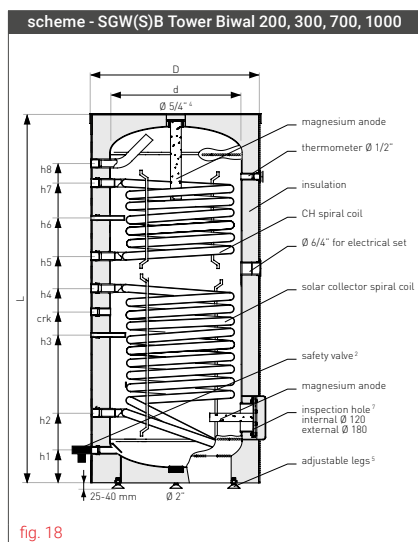
In case of 1000 (only Slim and SG(K) Multi-Inox versions), 1500 and 2000 tanks the Neodul® insulation is delivered in separate packaging together with the tank. In other cases, the insulation is mounted directly on the tank.

INDIRECT WATER HEATERS WITH TWO SPIRAL COILS

TYPE SGW(S)B TOWER BIWAL

Technical specification - SGW(S)B Tower Biwal

specification	unit	SGW(S)B Tower Biwal							
storage capacity ¹	l	200	250	300	400	500	700	1000	1500
ErP		B	B	B	C	B	C	C	C
polyurethane foam	-	-	-	-	-	-	-	-	-
Neodul®	-	-	-	-	-	-	-	-	-
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 ²	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 II (80/10/45°C)	kW	32	38,4	44,8	57,6	64	76,8	86,4	86,4
coil's efficiency II (80/10/45°C)	l/h	760	920	1070	1380	1530	1840	2110	2110
coil's surface II	m ²	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	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 ³	1060 ³	1100 ³
L - height	mm	1140	1300	1615	1750	1950	2050/2080 ³	1990 ³	2680 ³
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 I 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).



pic. 16
SGW(S)B
Tower Biwal



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

SGW(S)B Tower Biwal

cat. no.	type	description	EAN code
26-209000	200	two spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224500404
26-259000	250		5901224507663
26-309000N	300		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	two spiral coils, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224558627
36-109600N	1000		5901224557620
36-159600N	1500		5901224557644

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.



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 ¹	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 ²	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 II (70/10/45°)	kW	29	31,5	44,8
coil's efficiency II (70/10/45°)	l/h	714	774	1096
coil's surface II	m ²	0,6	0,8	0,8
coil's capacity II	l	4,2	5,6	5,6
coil's power II (70/10/45°)	kW	14,2	21,5	21,5
coil's efficiency II (70/10/45°)	l/h	351	533	533
coil's power II (80/10/45°)	kW	18,8	26	26
coil's efficiency II (80/10/45°)	l/h	465	632	632
demand for heating water from CH boiler	m ³ /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 ¹	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 ²	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°)	kW	57	78
coil's efficiency I (80/10/45°)	l/h	1393	1936
coil's surface II	m ²	1,2	1,8
coil's capacity II	l	8,4	12,6
coil's power II (70/10/45°)	kW	24,5	39
coil's efficiency II (70/10/45°)	l/h	600	958
coil's power II (80/10/45°)	kW	32	51,8
coil's efficiency II (80/10/45°)	l/h	788	1282
demand for heating water from CH boiler	m ³ /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 ³	950 ³
L - height	mm	1990	2300
height when tilted	mm	2220	2500
net weight	kg	307	362

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

² Included with the device for self-assembly.

³ Detachable insulation 80 mm, internal Ø 790 mm.

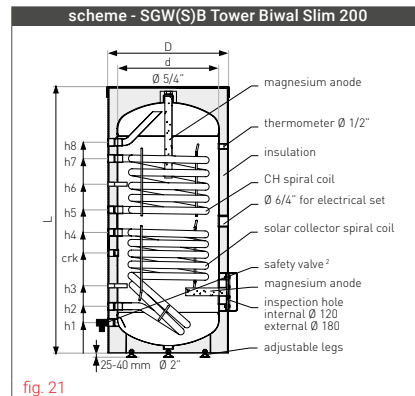


fig. 21

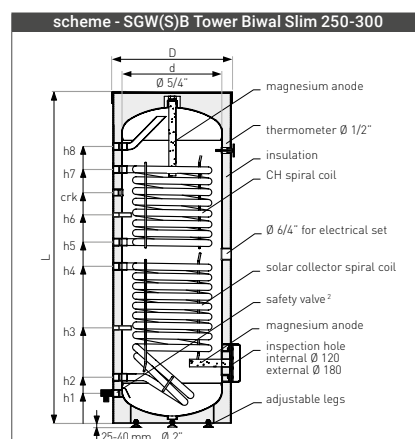


fig. 22

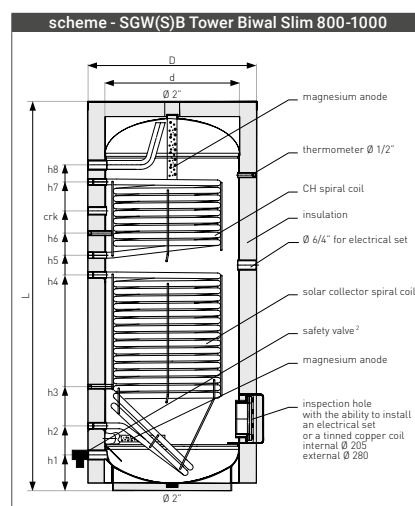


fig. 23

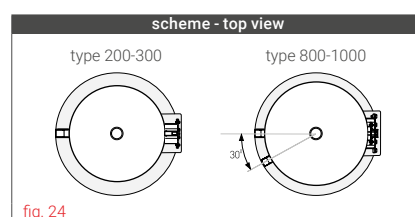


fig. 24



pic. 18
SGW(S)B Tower
Biwal Slim



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

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.

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 ² (with enamelled flange Ø 280 + gasket)	5901224810145
40-501218	1,8 m ² (with enamelled flange Ø 280 + gasket)	5901224810152
40-501223	2,3 m ² (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.



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 ¹	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 ²	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 ³ /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) ³	" / 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

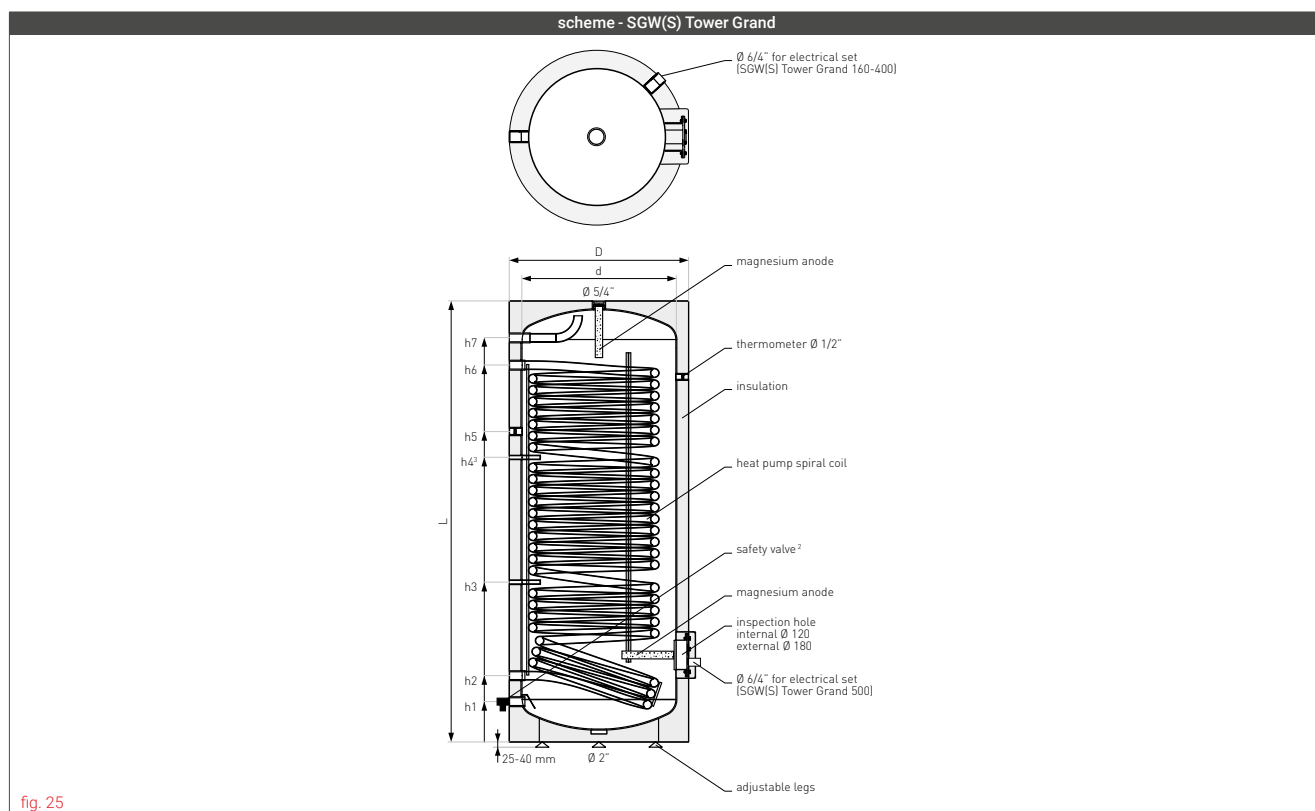


fig. 25

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

² Included with the device for self-assembly.

³ 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 Galmet's **insulated electrical sets** for our water heaters - more information on page 52.

Comparison of the coils' surfaces

type	coil's surface [m²]				
	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	-	2,9
300	1,4	2,7	3,8	1,4	3,6
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

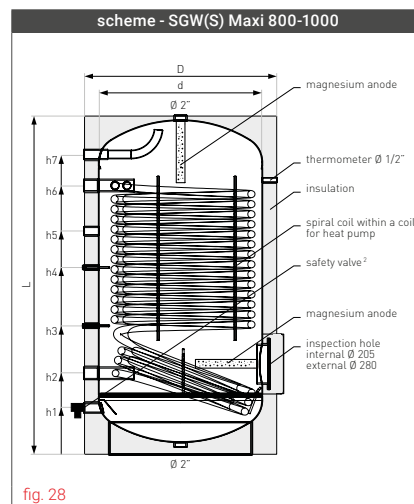
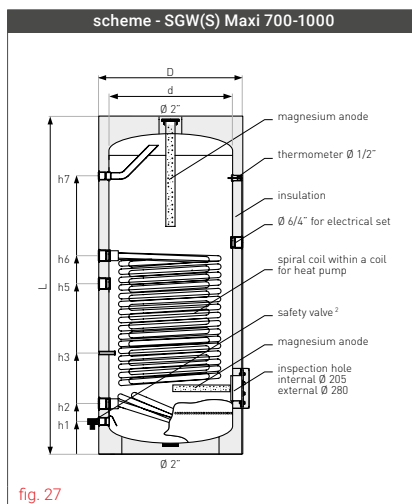
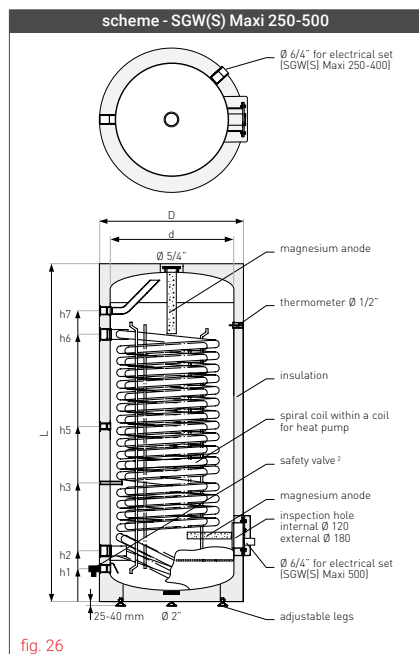
* Details in the warranty card.

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

TYPE SGW(S) MAXI

Technical specification - SGW(S) Maxi

specification	unit	SGW(S) Maxi							
		250	300	400	500	700	1000	800	1000
storage capacity ¹	l	243	290	376	471	657	973	880	985
ErP	polyurethane foam	-	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
coil's maximum working pressure	MPa	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
coil's maximum working temperature	°C	110	110	110	110	110	110	110	110
coil's surface	m ²	2,9	3,6	5,0	6,0	6,5	6,5	9,0	12,0
coil's capacity	l	24,0	30,0	34,9	41,9	45,4	45,4	76,0	101,0
coil's power (80/10/45°C)	kW	70	85	108	114	138	138	182	240
coil's power (80/10/60°C)	kW	60	73	89	99	108	108	-	-
coil's efficiency (80/10/45°C)	l/h	-	-	-	-	-	-	4500	5900
coil's efficiency (80/10/60°C)	l/h	1100	1385	1460	1724	1894	1886	-	-
heat pump coil's power (50/10/45°C)	kW	21	26	37	39	40	40	62	80
demand for heating water from CH boiler	m ³ /h	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	-	-	-
	top cover (2" plug)	mm	-	-	-	38x600	38x600	40x850	40x850
	insp. hole (M8 screw)	mm	38x200	38x200	38x200	38x400	38x400	38x600	38x600
h1 - cold water inflow (int. thread)	" / mm	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 / 220	5/4 / 230	5/4 / 235	5/4 / 265	5/4 / 395	5/4 / 445	2 / 445	2 / 445
h3 - sensor cover I (Ø)	" / mm	3/8 / 600	3/8 / 610	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 / 870	3/4 / 995	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 / 1120	5/4 / 1345	5/4 / 1285	5/4 / 1415	5/4 / 1355	5/4 / 1195	2 / 1475	2 / 1695
h7 - DHW outflow (int. thread)	" / mm	1 / 1210	1 / 1445	1 / 1475	1 / 1650	6/4 / 1715	6/4 / 1575	6/4 / 1625	6/4 / 1845
d - internal diameter	mm	550	550	600	630	700	900	900	900
D - external diameter	mm	670	670	700	755	855	1060	1060	1060
L - height	mm	1380	1615	1750	1950	2050	2020	1935	2135
height when tilted	mm	-	-	-	-	2220	2230	2080	2340
net weight	kg	140	153	215	247	307	398	454	521



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

² Included with the device for self-assembly.

³ Neodul® (detachable).



pic. 21
maximum size
spiral coil
bent in two diameters

SGW(S) Maxi

cat. no.	type	description	EAN code
26-258570N	250	maximum size spiral coil 3,0-6,5 m ² , polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224588501
26-308570N	300		5901224588167
26-408170N	400		5901224564680
26-504170N	500		5901224583988
26-704170N	700	maximum size spiral coil 6,5 m ² , detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224584008
36-104700N	1000		5901224572128
26-804808N	800	maximum size spiral coil 9,0-12,0 m ² , detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, Maxi dual titanium anode	5901224586279
36-104808N	1000		5901224585746

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 m² and 1000 12 m² (Maxi dual titanium anode).

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.



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.

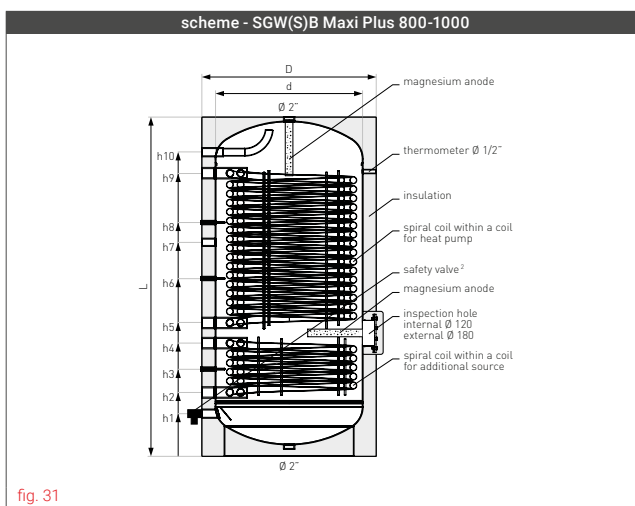
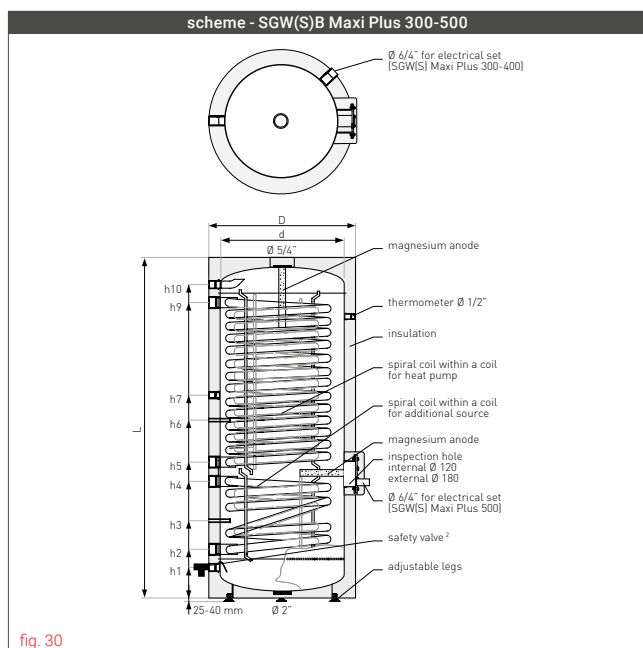
* Details in the warranty card.

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 ¹	l	293	373	465	880	985
ErP  polyurethane foam	-	B	C	B	-	-
ErP  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 ²	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 ³ /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	-	-
magnesium anode top cover (2" plug)	mm	-	-	-	40x850	40x850
magnesium anode insp. hole (M8 screw)	mm	38x200	38x200	38x400	38x600	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



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

² Included with the device for self-assembly.

³ Neodul® (detachable).



pic. 22
SGW(S)B Maxi Plus



pic. 23
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 ² - 4,8/1,8 m ² , 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 ² - 9,0/3,0 m ² , detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, Maxi dual titanium anode	5901224584039
26-809108N	800		5901224586552
36-109108N	1000		5901224584961

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 ¹	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	m²	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 II (80/10/45°)	kW	32	32	57,6	64
coil's efficiency II (80/10/45°)	l/h	760	760	1380	1530
coil's surface II	m²	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°)	kW	24	24	24	24
coil's efficiency II (70/10/45°)	l/h	570	570	570	570
coil's power II (80/10/45°)	kW	32	32	32	32
coil's efficiency II (80/10/45°)	l/h	760	760	760	760
demand for heating water from CH boiler	m³/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 ¹	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	m²	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 II (80/10/45°)	kW	32	57,6	64
coil's efficiency II (80/10/45°)	l/h	760	1380	1530
coil's surface II	m²	1,0	1,0	1,0
coil's capacity II	l	7,0	7,0	7,0
coil's power II (70/10/45°)	kW	24	24	24
coil's efficiency II (70/10/45°)	l/h	570	570	570
coil's power II (80/10/45°)	kW	32	32	32
coil's efficiency II (80/10/45°)	l/h	760	760	760
coil's surface III	m²	0,7	1,1	1,1
coil's capacity III	l	4,9	7,7	7,7
coil's power III (70/10/45°)	kW	17	26,4	26,4
coil's efficiency III (70/10/45°)	l/h	410	630	630
coil's power III (80/10/45°)	kW	22	35	35
coil's efficiency III (80/10/45°)	l/h	540	840	840
demand for heating water from CH boiler	m³/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

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

² Included with the device for self-assembly.

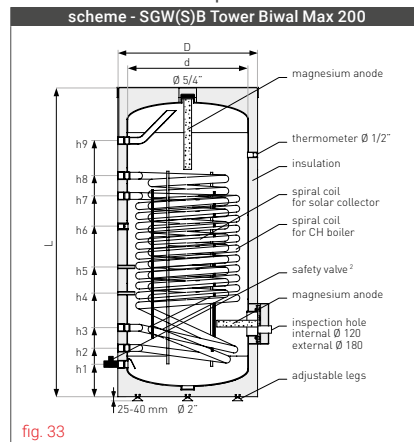


fig. 33

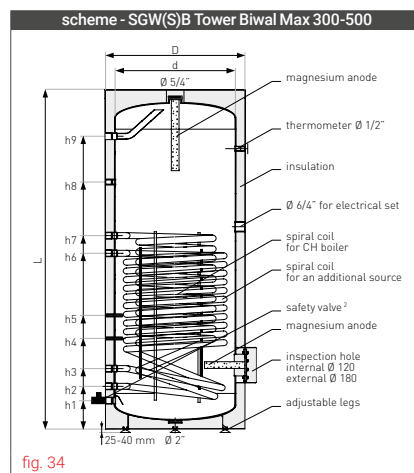


fig. 34

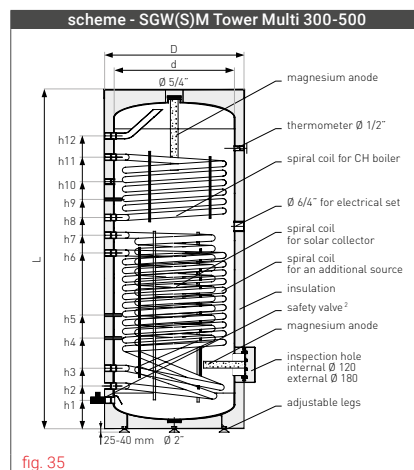


fig. 35

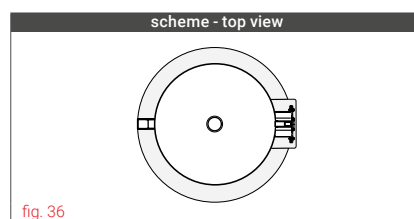


fig. 36



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)

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.



pic. 24
SGW(S)B Tower Biwal Max
with two spiral coils
in the lower part of the tank



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



pic. 25
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 m²** 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 Neodul®	-	B	B	C	C	-	-
	-	-	-	-	-	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	m²	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	m²	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 top cover (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 polyurethane foam 70 mm	mm	700	700	855	855	1055 ⁴	1055 ⁴
L - height	mm	1470	1840	1670	1840	1650	1850
height when tilted	mm	-	-	-	-	1960	2130
net weight (in pol.vur. foam with 1 coil)	kg	131	165	192	212	270	306

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

specification	unit	SG(K) Kumulow 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	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
maximum working pressure	MPa	0,6	0,6	0,6	0,6	0,6	0,6
coil's maximum working pressure	°C	95 / 110	95 / 110	95 / 110	95 / 110	95 / 110	95 / 110
tank's / coil's maximum working temperature	m²	0,8	0,8	1,0	1,0	1,0	1,0
upper coil's surface	l	3,5	3,5	7,0	7,0	7,0	7,0
upper coil's capacity	mm	38x400	38x400	38x400	38x400	38x400	38x400
magnesium anode top cover (5/4" plug)	"/ mm	5/4 / 220	5/4 / 220	5/4 / 305	5/4 / 305	5/4 / 375	5/4 / 375
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	3/4 / 305	3/4 / 335	3/4 / 390	3/4 / 405	3/4 / 625	3/4 / 625
h3 - sensor cover I (Ø)	"/ mm	5/4 / 390	5/4 / 450	5/4 / 475	5/4 / 505	5/4 / 525	5/4 / 555
h4 - CH boiler water inflow (int. thread)	"/ mm	5/4 / 580	5/4 / 680	5/4 / 640	5/4 / 710	5/4 / 675	5/4 / 745
h5 - CH boiler water inflow (int. thread)	"/ mm	5/4 / 730	5/4 / 905	5/4 / 810	5/4 / 945	5/4 / 825	5/4 / 920
h6 - 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
h7 - CH boiler water inflow (int. thread)	"/ mm	3/4 / 900	3/4 / 1135	3/4 / 980	3/4 / 1110	3/4 / 975	3/4 / 1110
h8 - sensor cover II (Ø)	"/ mm	5/4 / 1070	5/4 / 1365	5/4 / 1150	5/4 / 1315	5/4 / 1125	5/4 / 1295
h9 - 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
h10 - CH boiler water inflow (int. thread)	"/ mm	3/4 / 1235	3/4 / 1590	3/4 / 1315	3/4 / 1515	3/4 / 1275	3/4 / 1475
h11 - sensor cover III (Ø)	mm	550	550	700	700	900	900
d - internal diameter	mm	700	700	855	855	1055 ⁴	1055 ⁴
D - external diameter	mm	1470	1840	1670	1840	1620	1820
polyurethane foam 70 mm	mm	-	-	-	-	1960	2130
L - height	mm	111	136	165	184	238	274
height when tilted							
net weight							

² Included with the device for self-assembly.³ Only in tanks with a spiral coil in the inner tank.⁴ Detachable insulation 80 mm, internal Ø 900 mm.

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

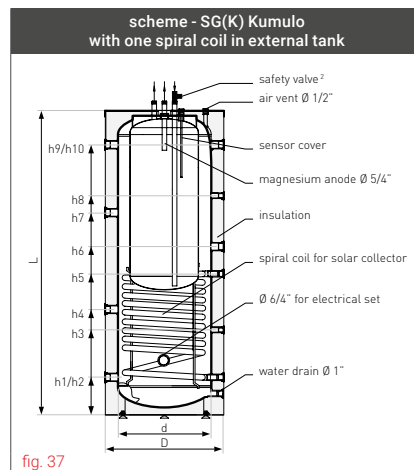


fig. 37

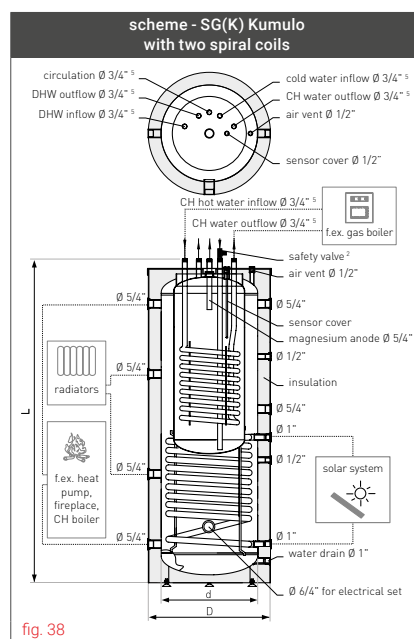


fig. 38

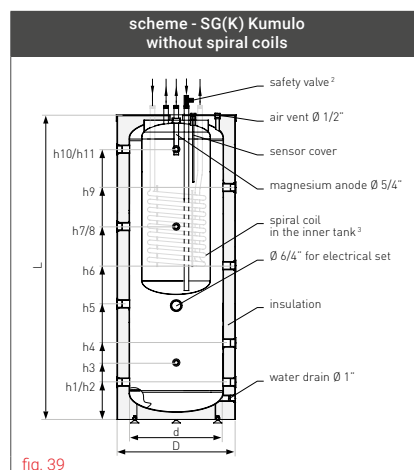
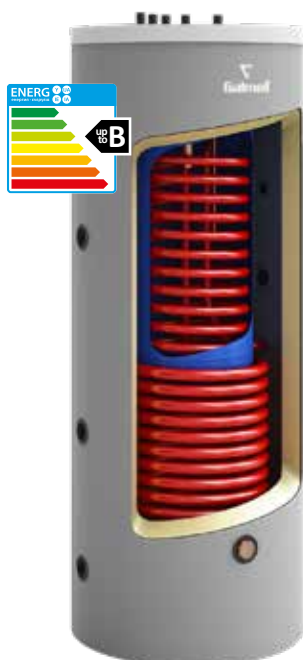
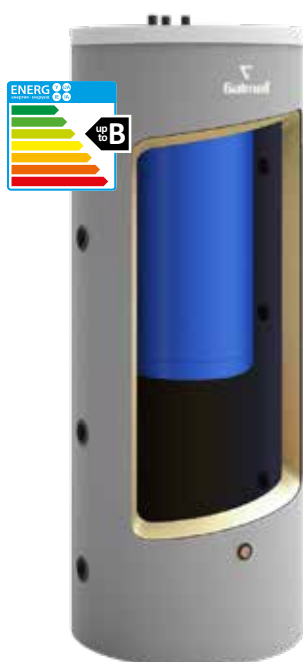


fig. 39



pic. 26
SG(K) Kumulo
with two spiral coils



pic. 27
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 cm²** of space.




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

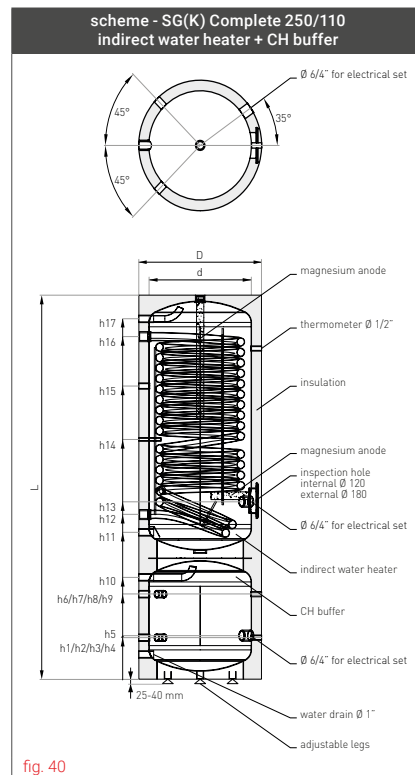
* Details in the warranty card.

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 250/110
ErP  polyurethane foam	-	B
d - internal diameter	mm	550
D - external diameter	mm	670
L - height	mm	1990
polyurethane foam insulation	mm	55
net weight	kg	175
indirect water heater		
storage capacity	l	243
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 ²	2,9
coil's capacity	l	24
coil's power (50/10/45°C)	kW	21
demand for heating water from CH boiler	m ³ /h	3
magnesium anode top cover (5/4" plug)	mm	38x400
anode insp. hole (M8 screw)	mm	38x200
CH buffer		
storage capacity	l	109
tank's maximum working temperature	°C	95
tank's maximum working pressure	MPa	0,3
connections - SG(K) Complete 250/110		
h1 - CH boiler water inflow (int. thread)	" / mm	1 / 210
h2 - CH boiler water inflow (int. thread)	" / mm	1 / 210
h3 - CH boiler water inflow (int. thread)	" / mm	1 / 210
h4 - sensor cover / thermometer (Ø)	" / mm	1/2 / 210
h5 - sleeve for the electrical set (int. thread)	" / mm	6/4 / 220
h6 - CH boiler water inflow (int. thread)	" / mm	1 / 430
h7 - CH boiler water inflow (int. thread)	" / mm	1 / 430
h8 - CH boiler water inflow (int. thread)	" / mm	1 / 430
h9 - sensor cover / thermometer (Ø)	" / mm	1/2 / 430
h10 - CH boiler water inflow / vent (int. thread)	" / mm	1 / 515
h11 - cold water inflow (int. thread)	" / mm	1 / 745
h12 - CH water outflow (int. thread)	" / mm	5/4 / 835
h13 - sleeve for the electrical set (int. thread)	" / mm	6/4 / 905
h14 - sensor cover / thermometer (Ø)	" / mm	3/8 / 1215
h15 - circulation (int. thread)	" / mm	3/4 / 1485
h16 - CH hot water inflow (int. thread)	" / mm	5/4 / 1735
h17 - DHW outflow (int. thread)	" / mm	1 / 1825



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



pic. 28
SG(K) Complete

SG(K) Complete

cat. no.	type	description	EAN code
71-251070	250/110	maximum size spiral coil, 110 l CH buffer, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224339103

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 (2,9 m²).
- ▶ 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.

▶ **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.



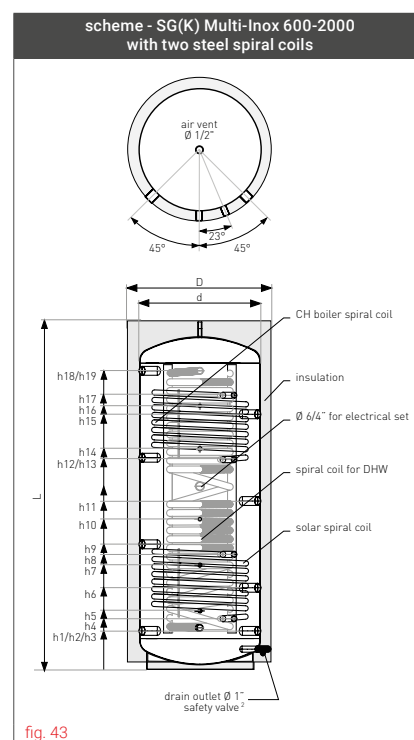
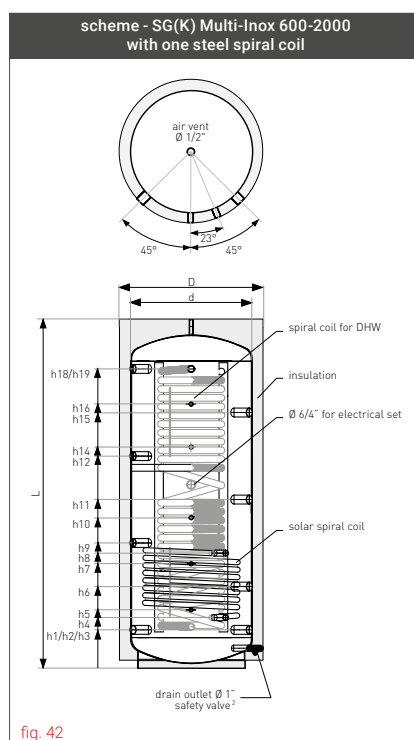
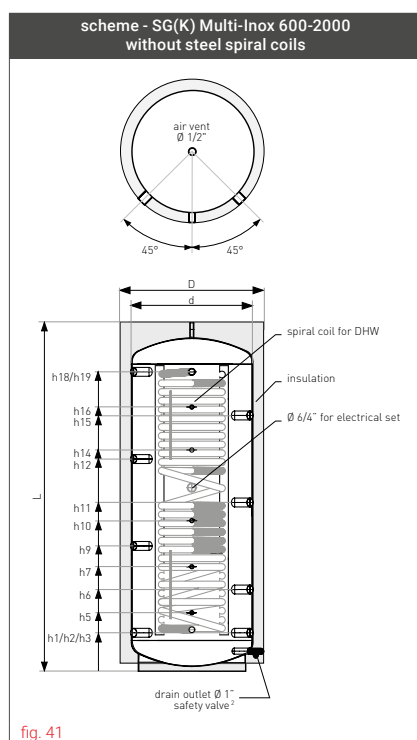
We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 52.

* Details in the warranty card.

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

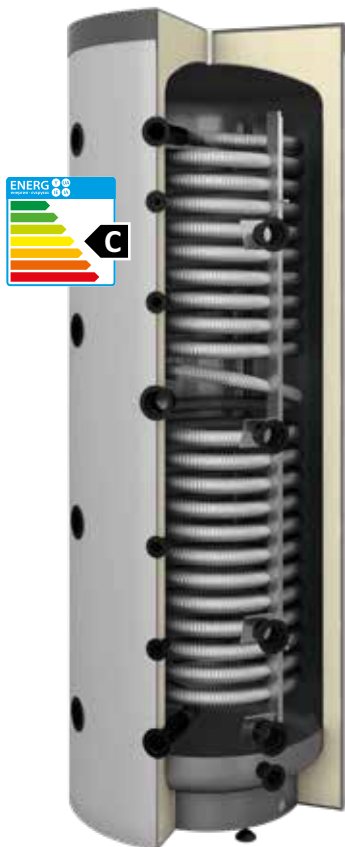
Technical specification - SG(K) Multi-Inox

specification	unit	SG(K) Multi-Inox				
		600	800	1000	1500	2000
storage capacity (without steel coils) ¹	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 ²	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 ²	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

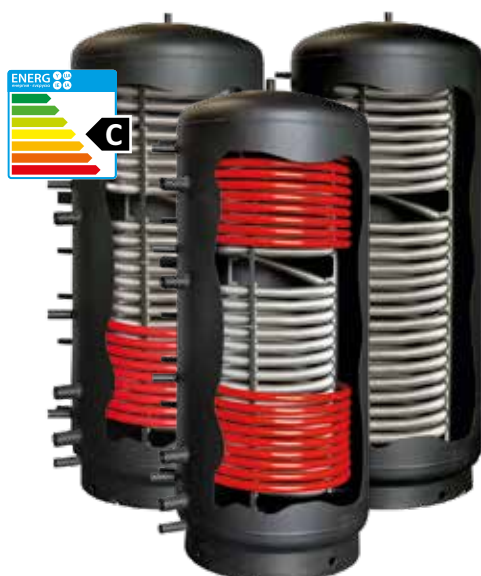


¹ According to the (EU) 812/2013, 814/2013.

² Included with the device for self-assembly.



pic. 29
SG(K) Multi-Inox



pic. 30
SG(K) Multi-Inox
with one steel coil, two steel coils
or without any steel coils

SG(K) Multi-Inox

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

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.

* 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) 60-140 (wall-mounted)

specification	unit	SG(B)				
		60	80	100	120	140
storage capacity ¹	l	63	86	106	118	136
ErP  polyurethane foam	-	C	C	C	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 / 175	6/4 / 175	6/4 / 175	6/4 / 175	6/4 / 175
h2 - CH boiler water inflow (int. thread)	" / mm	6/4 / 505	6/4 / 690	6/4 / 840	6/4 / 940	6/4 / 1090
d - internal diameter	mm	400	400	400	400	400
D - external diameter	mm	460	460	460	460	460
L - height	mm	680	865	1015	1115	1265
net weight	kg	30	35	39	46	53

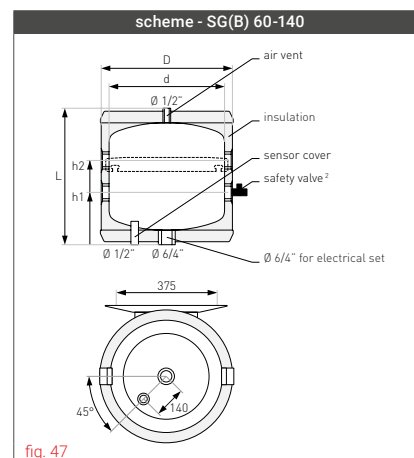



fig. 47

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

specification	unit	SG(B)				
		100	200	300	400	500
storage capacity ¹	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

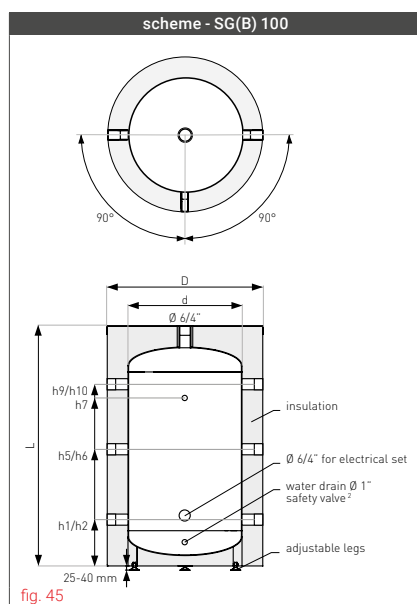


fig. 45

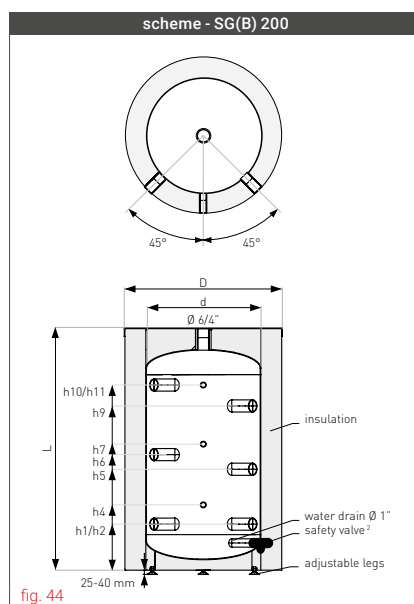


fig. 44

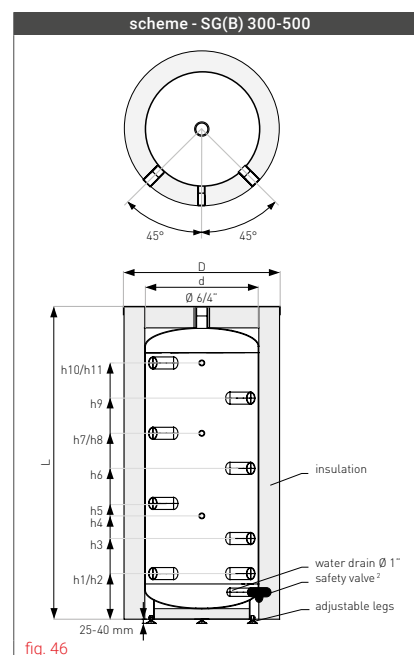


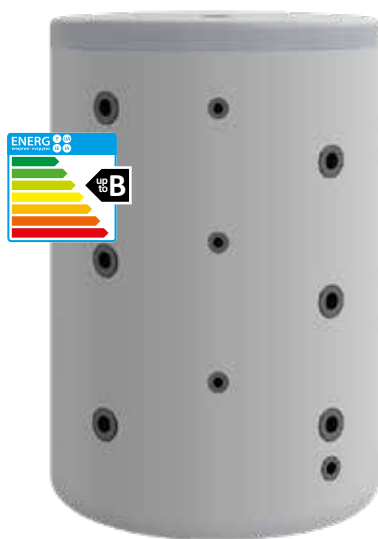
fig. 46

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

² Included with the device for self-assembly.



pic. 31
SG(B) 60 (wall-mounted)



pic. 32
SG(B) 200 (free-standing)

SG(B) 60-140 (wall-mounted)

cat. no.	type	description	EAN code
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) 60-140 (wall-mounted)

- ▶ Wide range of available capacities, from 60 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 ¹	l	202	236	284	366	459
ErP polyurethane foam 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 ²	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 ³ /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

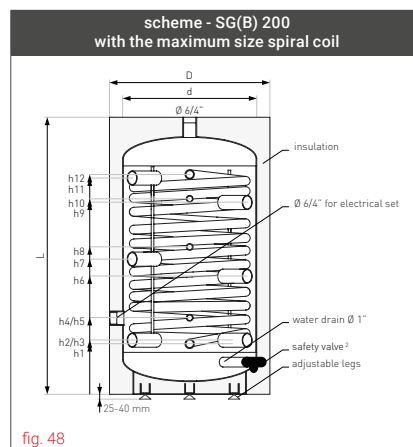


fig. 48

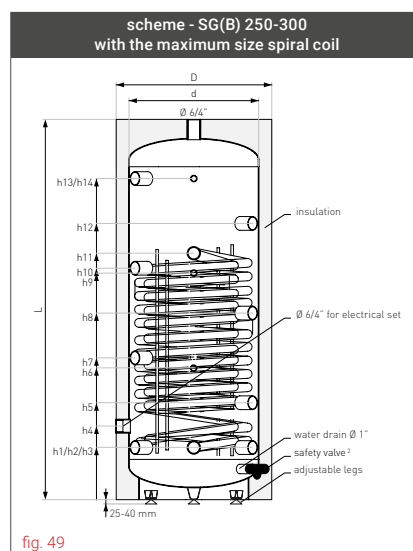


fig. 49

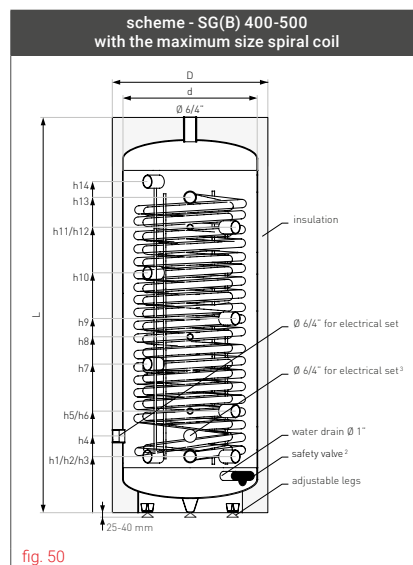
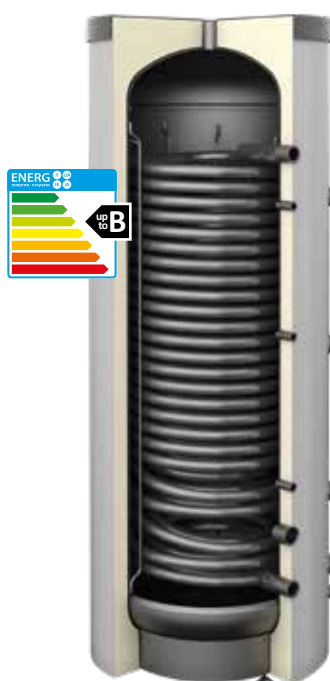


fig. 50

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

² Included with the device for self-assembly.

³ Applies to SG(B) 500 with the maximum size spiral coil.



pic. 33
SG(B) with the maximum size spiral coil



pic. 34
maximum size
spiral coil
bent in two diameters

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 ² , 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.



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.



Comparison of the coils' surfaces

type	coil's surface [m ²]				
	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 ¹	l	910	1015
ErP  polyurethane foam	-	-	-
ErP  Neodul®	-	C	C
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 ²	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 ³ /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

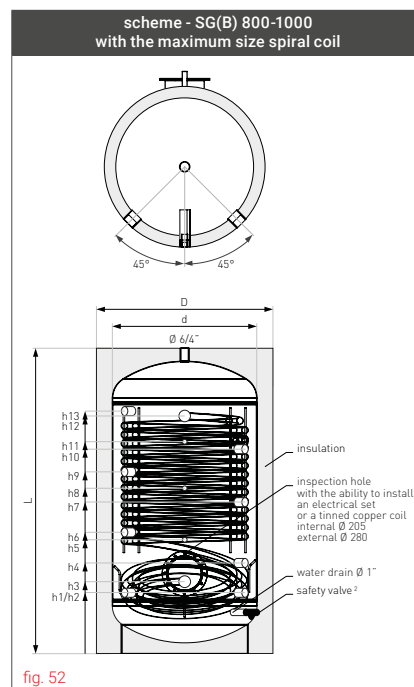


fig. 52

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 ²	350	140	3/4"	70	5,4	0,25 (0,5 m ³ /h)
1,8	m ²	440	170	3/4"	70	33,6	0,23 (1,5 m ³ /h)
2,3	m ²	540	170	3/4"	70	34,2	0,30 (1,5 m ³ /h)
3,6	m ²	650	175	1"	70 / 110	100,5	0,30 (3,5 m ³ /h)
4,5	m ²	790	175	1"	70 / 110	103	0,53 (3,5 m ³ /h)

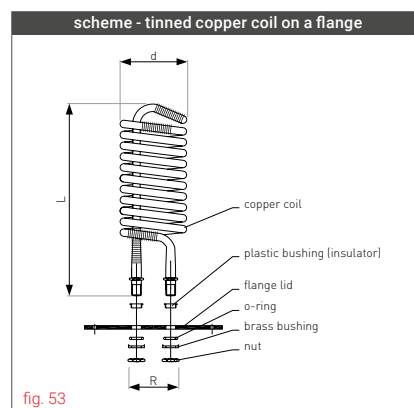
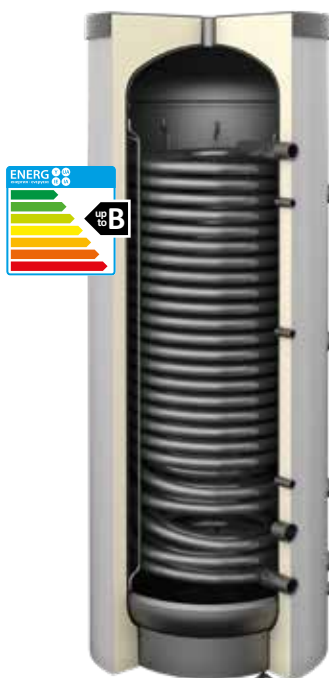


fig. 53

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

² Included with the device for self-assembly.



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



pic. 36
tinned copper coil

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 ² , 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.



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

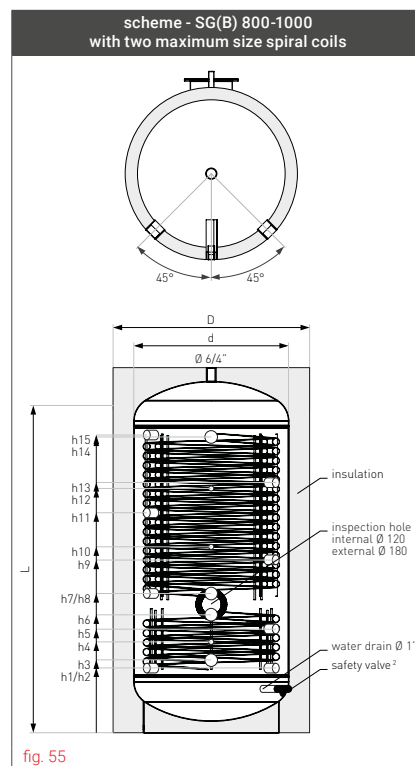
cat. no.	description	EAN code
40-501210	1,0 m ² (with enamelled flange Ø 280 + gasket)	5901224810145
40-501218	1,8 m ² (with enamelled flange Ø 280 + gasket)	5901224810152
40-501223	2,3 m ² (with enamelled flange Ø 280 + gasket)	5901224809897
40-501236	3,6 m ² (with enamelled flange Ø 280 + gasket)	5901224810169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

* Details in the warranty card.

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

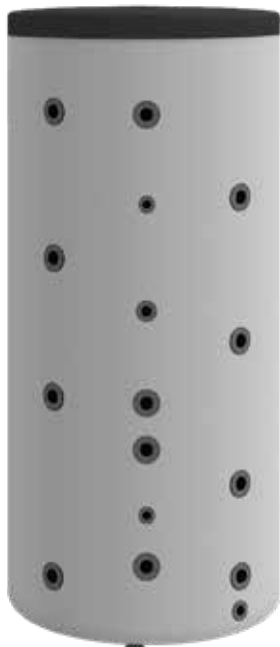
Technical specification - SG(B) with two maximum size spiral coils

specification	unit	SG(B) with two maximum size spiral coils	
		800	1000
storage capacity ¹	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 ²	2,0 / 7,5	3,0 / 9,0
solar collector / heat pump coil's capacity	l	17,0 / 64,0	26,0 / 76,0
solar collector coil's power (80/10/45°C)	kW	52,0	62,0
solar collector coil's power (50/10/45°C)	kW	14,0	22,0
heat pump coil's power (80/10/45°C)	kW	152,0	182,0
heat pump coil's power (50/10/45°C)	kW	64,0	71,5
demand for heating water from CH boiler	m ³ /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



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

² Included with the device for self-assembly.



pic. 37
SG(B) with two maximum size spiral coils



pic. 38
maximum size
spiral coil
bent in two diameters

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 ² - 9,0/3,0 m ² , 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.



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.

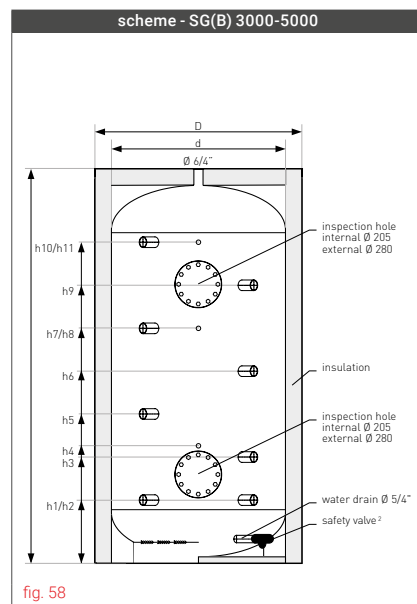
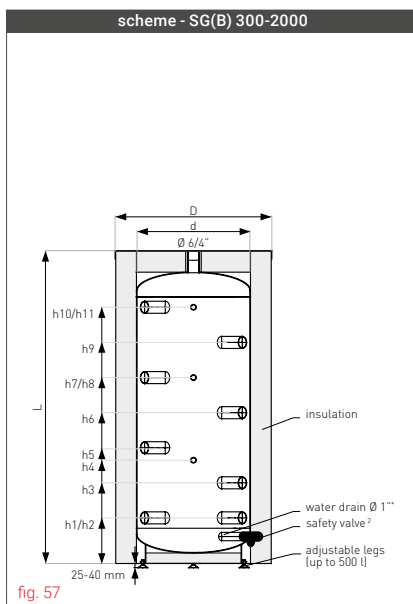
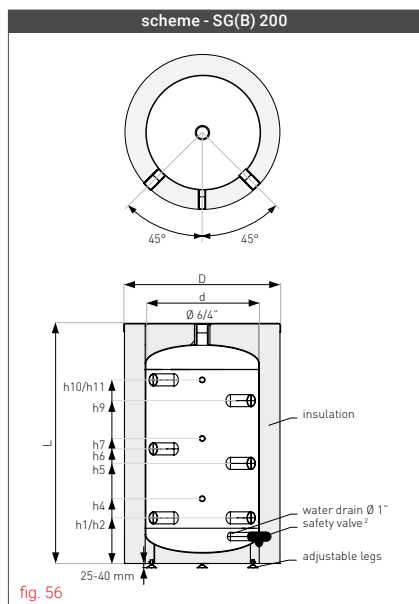
BUFFERS, NON-ENAMELLED VESSELS WITHOUT SPIRAL COILS - TYPE SG(B)

Technical specification - SG(B) 200-5000

specification	unit	200	300	400	500	800	1000	1500	2000	3000	4000	5000
storage capacity ¹	l	223	322	396	467	728	883	1479	2023	2941	3985	4981
ErP												
polyurethane foam	-	B	B	C	C	-	-	-	-	-	-	-
Neodul®	-	-	-	-	-	C	C	C	C	-	-	-
tank's maximum working pressure	MPa	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3	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) 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 (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.

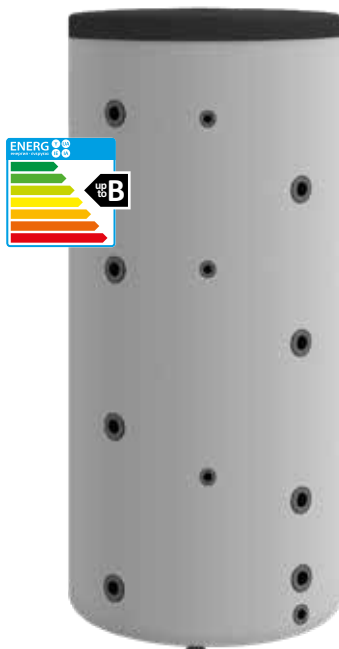
Buffer types 200-500 are equipped with adjustable feet; all types above 800 are placed on a ring.



* For type 2000 water drain 5/4".

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

² Included with the device for self-assembly.



pic. 39
SG(B) 300 in Neodul® insulation

SG(B)

cat. no.	type	description	EAN code
70-200000	200	without spiral coils, polyurethane foam, artificial leather, non-enamelled	5901224702051
70-300000N	300		5901224316609
70-400000	400		5901224700057
70-500000	500		5901224712876
70-800600	800	without spiral coils, detachable Neodul® insulation, artificial leather, non-enamelled	5901224708145
70-100600	1000		5901224710742
70-150600	1500		5901224710155
80-200600	2000	without spiral coils, detachable polyurethane foam, artificial leather, non-enamelled	5901224709876
80-300600	3000		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 ² (with enamelled flange Ø 280 + gasket)	5901224810145
40-501218	1,8 m ² (with enamelled flange Ø 280 + gasket)	5901224810152
40-501223	2,3 m ² (with enamelled flange Ø 280 + gasket)	5901224809897
40-501236	3,6 m ² (with enamelled flange Ø 280 + gasket)	5901224810169
40-501245	4,5 m ² (with enamelled flange Ø 280 + gasket)	5901224810176

* Details in the warranty card.

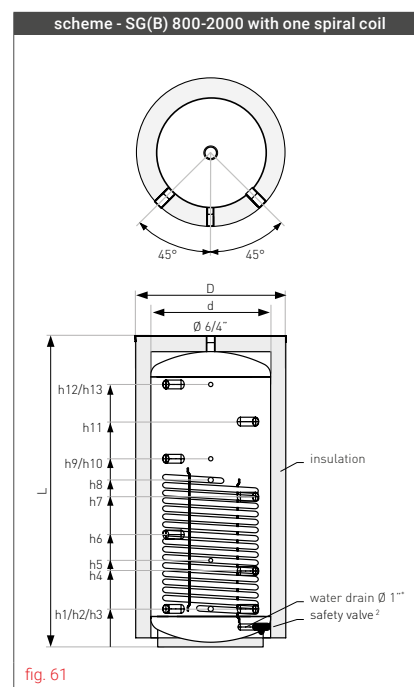
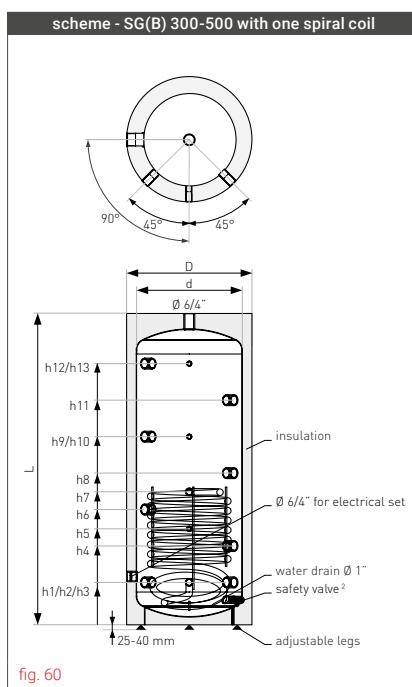
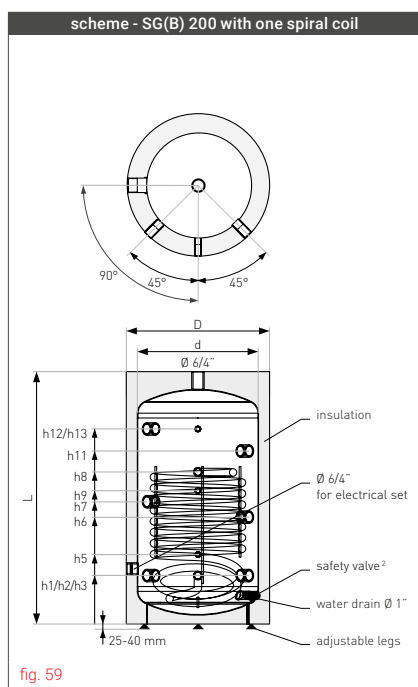
In case of 1000 (only Slim and SG(K) Multi-Inox versions), 1500 and 2000 tanks the Neodul® insulation is delivered in separate packaging together with the tank. In other cases, the insulation is mounted directly on the tank.

BUFFERS, NON-ENAMELLED VESSELS WITH ONE SPIRAL COIL - 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 ¹	l	212	311	372	444	702	853	1444	1985
ErP polyurethane foam	-	B	B	C	C	-	-	-	-
ErP Neodul®	-	-	-	-	-	C	C	C	C
tank's maximum working pressure	MPa	0,3	0,3	0,3	0,3	0,3	0,3	0,3	0,3
coil's maximum working pressure	MPa	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
coil's maximum working temperature	°C	110	110	110	110	110	110	110	110
coil's surface	m ²	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 / 800	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 III (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

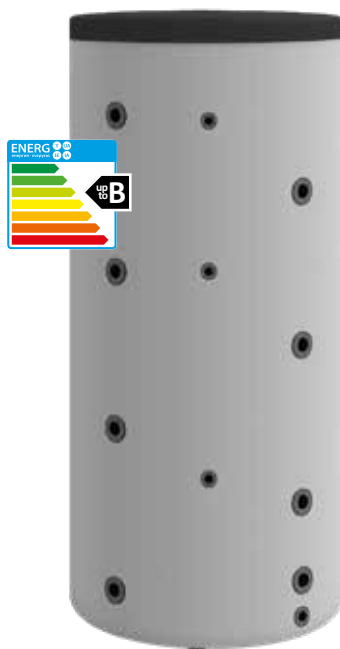
Buffer types 200-500 are equipped with adjustable feet; all types above 800 are placed on a ring.



* For type 2000 water drain 5/4".

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

² Included with the device for self-assembly.



pic. 40
SG(B) 300 with one spiral coil

SG(B) with one spiral coil

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

Zastosowanie i zalety zbiorników SG(B) z jedną wężownicą

- ▶ 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.

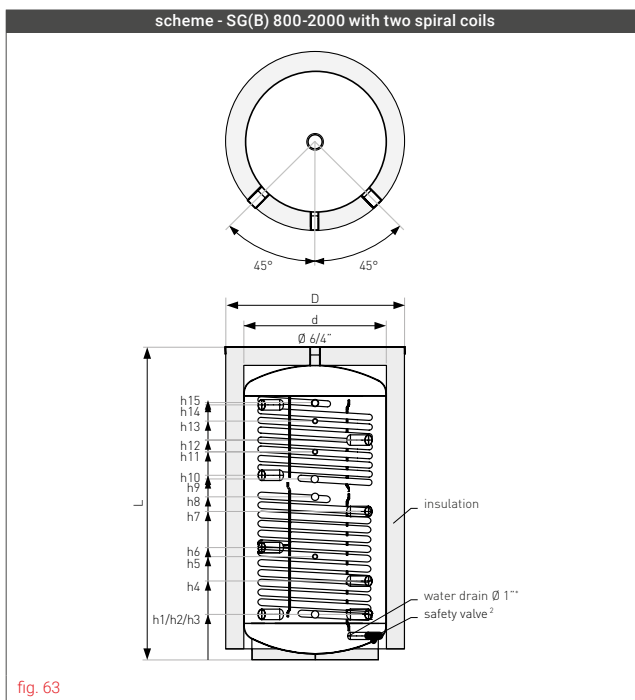
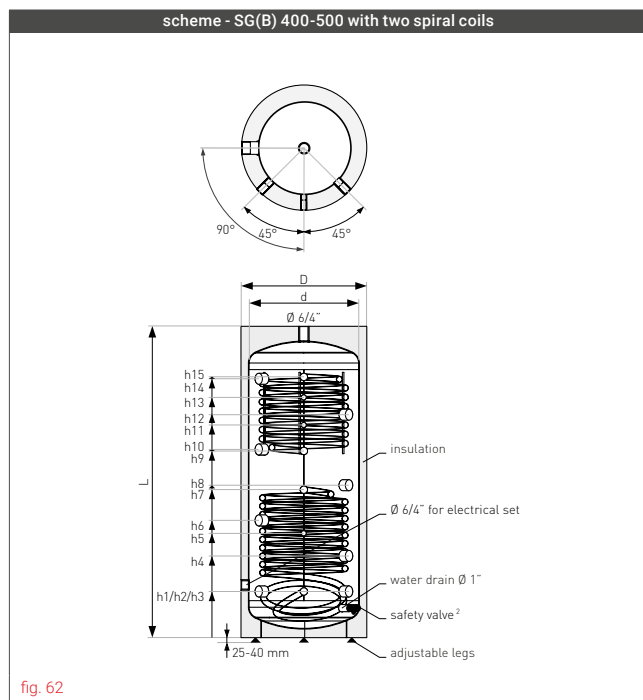
In case of 1000 (only Slim and SG(K) Multi-Inox versions), 1500 and 2000 tanks the Neodul® insulation is delivered in separate packaging together with the tank. In other cases, the insulation is mounted directly on the tank.

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

Technical specification - SG(B) with two spiral coils

specification	unit	SG(B) with two spiral coils					
		400	500	800	1000	1500	2000
storage capacity ¹	l	361	433	688	835	1421	1960
ErP polyurethane foam	-	C	C	-	-	-	-
ErP Neodul®	-	-	-	C	C	C	C
tank's maximum working pressure	MPa	0,3	0,3	0,3	0,3	0,3	0,3
coil's maximum working pressure	MPa	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 I	m²	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	m²	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 / 800	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

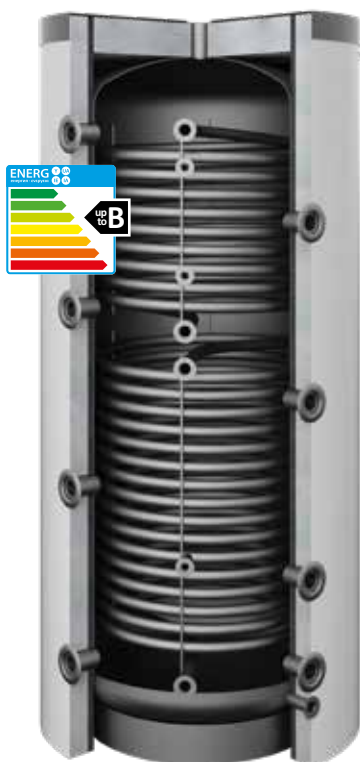
Buffer types 200-500 are equipped with adjustable feet; all types above 800 are placed on a ring.



* For type 2000 water drain 5/4".

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

² Included with the device for self-assembly.



pic. 41
SG(B) 1000 with two spiral coils
in Neodul® insulation



pic. 42
installation of the detachable Neodul® insulation

SG(B) with two spiral coils

cat. no.	type	description	EAN code
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) with two spiral coils

- ▶ 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.



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 ¹	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

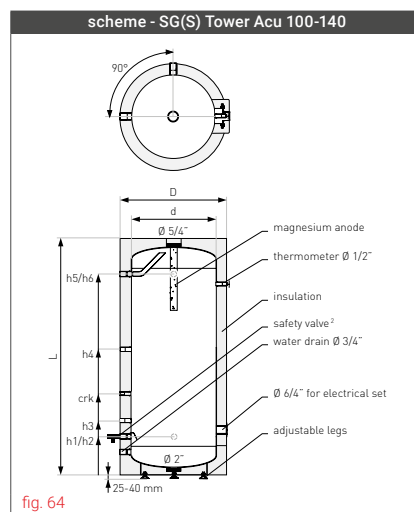


fig. 64

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

specification	unit	SG(S) Tower Acu		
		200	400	500
storage capacity ¹	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
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

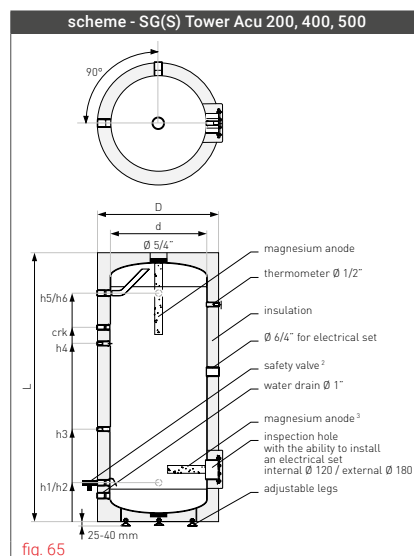


fig. 65

Technical specification - SG(S) Tower Acu 300

specification	unit	SG(S) Tower Acu	
		300	
storage capacity ¹	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	
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	

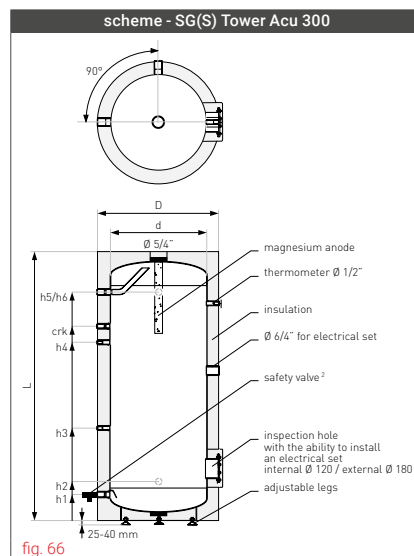
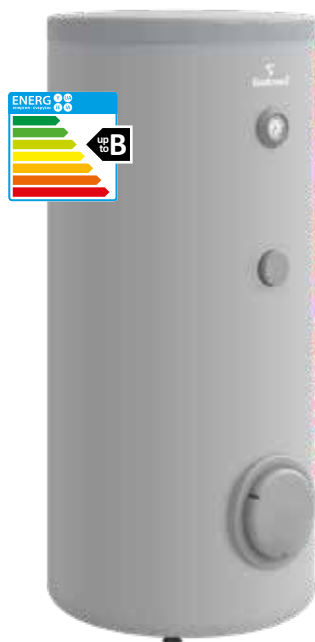


fig. 66

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

² Included with the device for self-assembly.

³ Applies to SG(S) Tower Acu 400-500.



pic. 43
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 Galmet'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 ¹	l	705	1019	1442
ErP  polyurethane foam	-	C	-	-
ErP  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 ³	1060 ³	1100 ³
L - height	mm	2050/2080 ³	1990 ³	2680 ³
height when tilted	mm	2220	2230 ³	2860 ³
net weight	kg	195	265	405

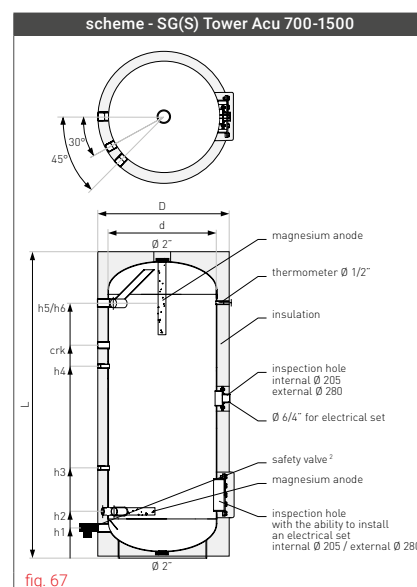



fig. 67

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

specification	unit	SG(S) Tower Acu	
		2000	3000
storage capacity ¹	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

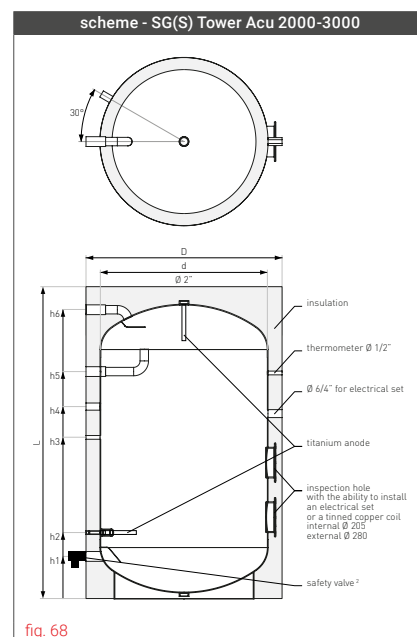


fig. 68

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

² Included with the device for self-assembly.

³ Neodul® (detachable).



pic. 44
SG(S) Tower Acu 2000
in Neodul® insulation



pic. 45
tinned copper coil

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.

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 ² (with enamelled flange Ø 280 + gasket)	5901224810145
40-501218	1,8 m ² (with enamelled flange Ø 280 + gasket)	5901224810152
40-501223	2,3 m ² (with enamelled flange Ø 280 + gasket)	5901224809897
40-501236	3,6 m ² (with enamelled flange Ø 280 + gasket)	5901224810169
40-501245	4,5 m ² (with enamelled flange Ø 280 + gasket)	5901224810176
40-501263	6,3 m ² (with enamelled flange Ø 280 + gasket)	5901224834981

* Details in the warranty card.

** Except for the 6,34 m² 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 sets

specification	unit	MB electrical sets				Selfa electrical sets	
heater power	kW	2	3	2	3	2	2
voltage	V	230		230		230	
range of working temp.	°C	20 ÷ 70		20 ÷ 70		20 ÷ 70	
installation	"	5/4		6/4		5/4	6/4
submerging length	mm	370	360	370	360	310	360
protection	A	16		16		16	
connection cable	mm ²	3 x 1		3 x 1		3 x 1	
cold zone	mm	55		55		55	
protection class	IP	44		44		44	

specification	unit	electrical sets - elektronik			
heater power	kW	4,5		6	
voltage	V			230 / 400	
range of working temp.	°C			5 ÷ 75	
installation	"			6/4	
submerging length	mm	410		480	
protection	A	10		16	
connection cable	mm ²			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			230 / 400	
range of working temp.	°C			25 ÷ 75	
installation	"			6/4	
submerging length	mm	410	480	600	600
protection	A	10	16	16	20
connection cable	mm ²	5 x 1,5	5 x 1,5	5 x 2,5	5 x 4
cold zone	mm			90	
protection class	IP			44	

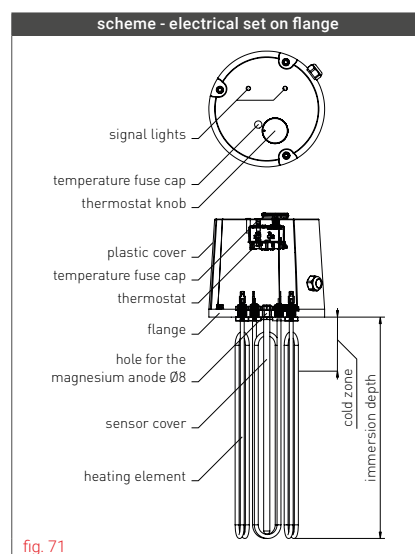
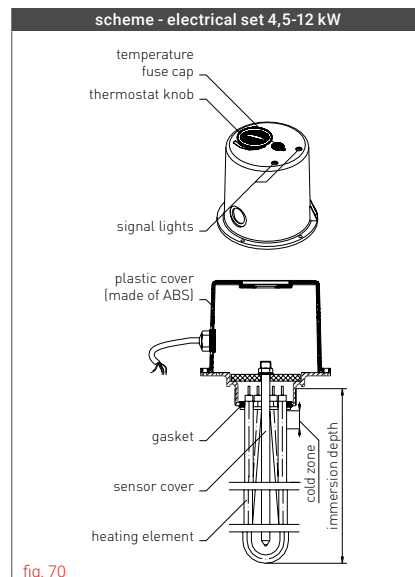
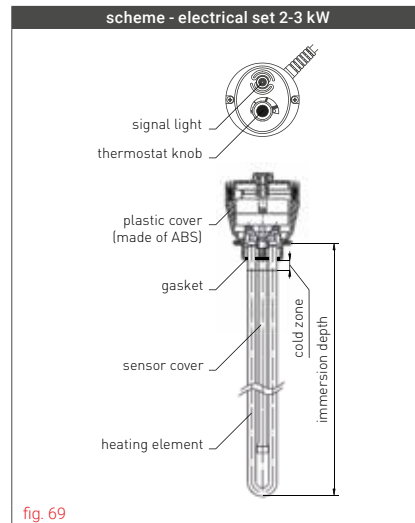
specification	unit	electrical sets - manual EK			
heater power	kW	4,5	6	9	12
voltage	V			230 / 400	
range of working temp.	°C			20 ÷ 85 ±5	
installation	"			6/4	
submerging length	mm	400	500	600	750
protection	A	10	10	16	32
connection cable	mm ²	5 x 1,5	5 x 1,5	5 x 2,5	5 x 2,5
cold zone	mm			70	
protection class	IP			44	

Technical specification - electrical sets on flange Ø 180

specification	unit	electrical sets - flange Ø 180					
heater power	kW	2	3	4,5	6	9	12
voltage	V	230~		230 / 400			
range of working temp.	°C	10 (±7) ÷ 73 (±4)		25 ÷ 70°C ±5			
installation	mm	180		180			
submerging length	mm	450	500	450	450	500	500
protection	A	16		10	16	16	20
connection cable	mm ²	3 x 1,5	3 x 1,5	5 x 2,5	5 x 2,5	5 x 2,5	5 x 2,5
cold zone	mm	80		80			
protection class	IP	24		24			

Technical specification - electrical sets on flange Ø 280

specification	unit	electrical sets - flange Ø 280			
heater power	kW	9	12	18	24
voltage	V	230 / 400		3/PE ~ 400V	
range of working temp.	°C			25 ÷ 77°C ±5	
installation	mm			280	
submerging length	mm	500	500	650	650
protection	A	20	20	32	35
connection cable	mm ²	5 x 2,5	5 x 2,5	5 x 4	5 x 6
cold zone	mm			80	
protection class	IP			24	





pic. 46
electrical set GE 2-3 kW



pic. 47
electrical set 4,5-12 kW



pic. 48
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

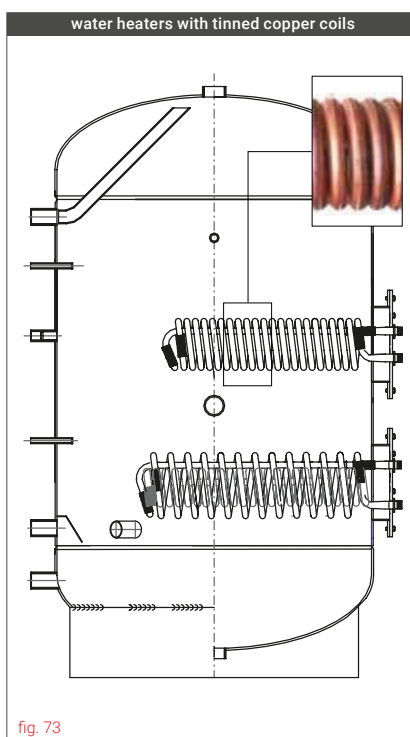
submerging length [mm]	370	310	360	370	360	410	410	480	480	600	600	500	450	450	500	500	500	500	650	650	400	500	600	750	400	500	600	750		
installation	5/4" plug			6/4" plug								flange Ø 180					flange Ø 280				6/4" plug			Eliko 6/4" plug						
cat. no.	41-020001	41-020002	41-030001	41-020011	41-030011	41-045010	41-045015	41-060010	41-060015	41-090010	41-120010	41-020021	41-030021	41-045021	41-060021	41-090021	41-120021	41-090020	41-120020	41-180020	41-240020	41-045011	41-060011	41-090011	41-120011	41-045011	41-060011	41-090011	41-120011	
voltage [V]	230			230			400					230		400			400				400			400						
heater power [kW]	2,0	2,0	3,0	2,0	3,0	4,5	4,5	6,0	6,0	9,0	12,0	2,0	3,0	4,5	6,0	9,0	12,0	9,0	12,0	18,0	24,0	4,5	6,0	9,0	12,0	4,5	6,0	9,0	12,0	
SGW(S) Rondo Premium 120-140	•	•	•																											
SG(S) Fusion 100	•	•	•																											
SGW(S) Vulcan Kombi 100-140 (free-standing)		•																												
SGW(S) Vulcan Kombi 200 (free-standing)				•	•	•	•															•				•				
SGW(S) Mini Tower 100-140	•	•	•																											
SGW(S) Tower 200-300				•	•	•	•	•	•			•	•	•	•	•	•					•	•			•	•	•	•	
SGW(S) Tower 400-500				•	•	•	•	•	•	•	•	•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SGW(S) Tower 700						•	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•	•	
SGW(S) Tower 1000-1500						•	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•	•	
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 Tower Biwal 700						•	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•	•	
SGW(S)B Tower Biwal 1000-1500						•	•	•	•	•	•							•	•	•	•	•	•	•	•	•	•	•	•	
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				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
SG(S) Tower Acu 1000-1500				•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
SG(S) Tower Acu 2000-3000										•	•							•	•	•	•			•	•	•	•	•	•	
SGW(S) Maxi 250-300				•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SGW(S) Maxi 400-500				•	•	•	•	•	•	•	•	•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SGW(S) Maxi 700								•	•	•	•							•	•	•	•	•	•	•	•	•	•	•	•	
SGW(S) Maxi 1000								•	•	•	•							•	•	•	•	•	•	•	•	•	•	•	•	
SGW(S) Maxi 800-1000 with 9 and 12 m² spiral coil																		•	•	•	•									
SGW(S)B Maxi Plus 300				•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SGW(S)B Maxi Plus 400-500				•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SGW(S)B Maxi Plus 800-1000																						•	•	•	•	•	•	•	•	
SGW(S) Tower Grand 160-500				•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SGW(S)B Tower Biwal Max 200-300				•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SGW(S)B Tower Biwal Max 400-500				•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SGW(S)M Tower Multi 300-500				•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•	•	•	•	•	
SG(K) Kumulo 300/80-380/120				•	•	•	•	•	•													•	•	•	•	•	•	•	•	
SG(K) Kumulo 500/160-600/200				•	•	•	•	•	•		•											•	•	•	•	•	•	•	•	
SG(K) Kumulo 800/200-1000/200				•	•	•	•	•	•	•	•											•	•	•	•	•	•	•	•	
SG(K) Complete 250/135				•	•	•	•	•	•			•	•	•	•	•	•					•	•	•	•	•	•	•	•	•
SG(K)M Multi-Inox 600				•	•	•	•	•	•	•	•											•	•	•	•	•	•	•	•	
SG(K)M Multi-Inox 800-2000				•	•	•	•	•	•	•	•											•	•	•	•	•	•	•	•	
SG(B) 60-100				•	•	•	•	•	•													•	•	•	•	•	•	•	•	
SG(B) 120-140				•	•	•	•	•	•													•	•	•	•	•	•	•	•	
SG(B) 200-300						•	•	•	•	•	•											•	•	•	•	•	•	•	•	
SG(B) 400-500						•	•	•	•	•	•											•	•	•	•	•	•	•	•	
SG(B) 800-2000						•	•	•	•	•	•											•	•	•	•	•	•	•	•	
SG(B) 3000-5000										•	•							•	•	•	•	•	•	•	•	•	•	•	•	
SG(B) with spiral coil 200-500										•	•							•	•	•	•	•	•	•	•	•	•	•	•	
SG(B) with spiral coil 800-2000										•	•							•	•	•	•	•	•	•	•	•	•	•	•	
SG(B) with max. size spiral coil 200-300				•	•	•	•	•	•									•	•	•	•	•	•	•	•	•	•	•	•	
SG(B) with max. size spiral coil 400-500				•	•	•	•	•	•									•	•	•	•	•	•	•	•	•	•	•	•	
SG(B) with max. size spiral coil 800-1000																		•	•	•	•	•	•	•	•	•	•	•	•	
SG(B) with 2 max. size spiral coils 800-1000															•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

CUSTOM-MADE WATER HEATERS



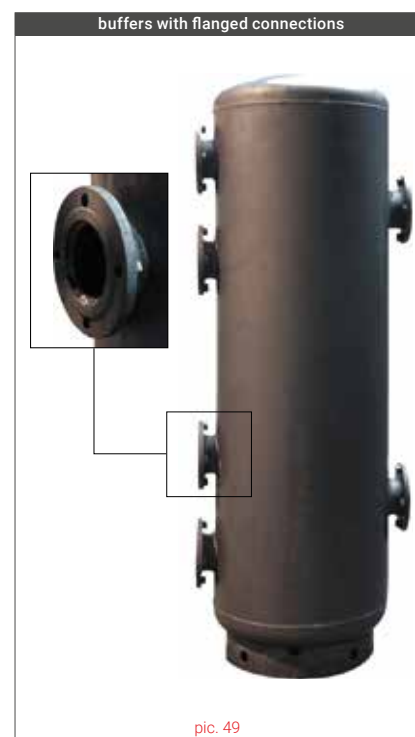
Available types: 80, 100, 120, 140

- ▶ surface 0,9 m²
- ▶ 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 m² / 1,8 m² / 2,3 m² / 3,6 m² / 4,5 m²



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@galmet.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



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 ² 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 (before 10.2017)
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"
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

no.	cat. no.	item
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 ² (with enamelled flange Ø 280 + gasket)
128	40-501218	Tinned copper coil 1,8 m ² (with enamelled flange Ø 280 + gasket)
129	40-501223	Tinned copper coil 2,3 m ² (with enamelled flange Ø 280 + gasket)
130	40-501236	Tinned copper coil 3,6 m ² (with enamelled flange Ø 280 + gasket)
131	40-501245	Tinned copper coil 4,5 m ² (with enamelled flange Ø 280 + gasket)
132	40-501263	Tinned copper coil 6,3 m ² (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



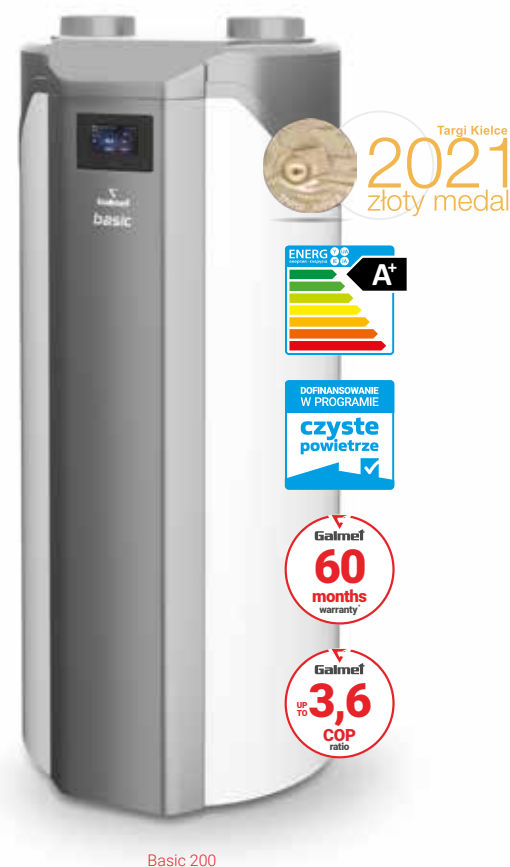
HEAT PUMPS

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AIR SOURCE HEAT PUMP WATER HEATER FOR DHW - *basic*


- ▶ Efficiency increased by 28%.¹
- ▶ COP value: up to 3,6² - according to the newest standards.
- ▶ Highest possible energy efficiency class A+.³
- ▶ Low energy consumption - only 1,85 kWh/day.
- ▶ Heats the water up to 65°C.
- ▶ Perfect for a family of up to 7 people.
- ▶ Intelligent use of PV installations - self-consumption up to 100%.
- ▶ Color touch-screen controller with new, intuitive menu.
- ▶ Spiral coil can be used for connecting an additional energy source (i.e. solar panels, gas boiler, electric heaters etc.).
- ▶ Remote control by an app (optional ST-505 module required).
- ▶ Generated energy counter.
- ▶ Modes of operation: Party, Eco, Antilegionella, Summer and Winter.
- ▶ Outside air temperature sensor.
- ▶ Ability to set up the work schedule to both heat pump and circulation pump.
- ▶ Drying and partial air conditioning of the room during operation.
- ▶ Longer service life of the tank thanks to the anti-corrosion DIELECTRIC PROTECTION®.

It is possible to order the Basic heat pump with a **maintenance-free titanium anode**, which ensures reliable and durable water tank protection. Models with a "Q" at the end of the catalogue number: 09-353103Q, 09-355103Q, 09-355203Q.



Basic 200

Technical specification of the Basic heat pump

specification	unit	Basic		
		200 with one spiral coil	270 with one spiral coil	270 with two spiral coils
catalogue number	-	09-353103	09-355103	09-355203
COP (A20/W10-55) (PN-EN 16147)	-	3,6	3,1	3,1
COP (A15/W10-55) (PN-EN 16147)	-	3,3	2,9	2,9
heating power (heat pump)	kW	2	2	2
nominal power consumption	kW	0,47	0,49	0,49
electric heater power	kW	2	2	2
total heating power (heat pump + electric heater)	kW	4	4	4
working temperature range	°C	+7 ÷ +40	+7 ÷ +36	+7 ÷ +36
tank volume	l	200	270	270
number of spiral coils	pcs.	1	1	2
coil's surface	m ²	1	1	1/0,7
maximum DHW temperature (heat pump)	°C	55	55	55
connections	-	1"	1"	1"
circulation connection	-	3/4"	3/4"	3/4"
tank's maximum working pressure	MPa	1	1	1
coil's maximum working pressure	MPa	1,6	1,6	1,6
air ducts' diameter	mm	160	160	160
air ducts' maximum length	m	10	10	10
nominal air flow	m ³ /h	435	429	429
acoustic pressure (at a distance of 2 meters)	dB	45	46	46
acoustic power level (EN 12102)	dB	56	57	57
dimensions (height x diameter)	mm	1500 x 670	1730 x 670	1730 x 670
net weight	kg	120	130	150
ErP  energy efficiency class	-	A+	A+	A+

* Details in the warranty card and on our website: <https://galmet.com.pl/pl/pliki-do-pobrania>.

¹ Basic 200 efficiency - V_{40} (the amount of mixed water at a temperature above 40°C) - compared to the previous generation.

² According to the PN-EN 16147 norm; A - A - air temperature; W - heated water temperature range; water intake profile - L (Basic 200), XL (Basic 270).

³ According to the Commission Delegated Regulation (EU) No. 812/2013, a heat pump for domestic hot water can now be labelled at most as A+ on the energy label, even if it meets the requirements of a higher energy class).

GROUND-WATER HEAT PUMP WITH WATER TANK FOR CH AND DHW - *maxima compact 7-12GT*

- ▶ Heat pump with 316L stainless steel water tank - all in one device.
- ▶ Faster heating of water thanks to the large surface area of the spiral coil - 3,6 m².
- ▶ Highest possible energy efficiency class - A+++.
- ▶ High COP value: up to 4,5 (B0W35).
- ▶ Constant efficiency during the entire heating season.
- ▶ Reliable Scroll compressor.
- ▶ Weather system adjusts the heat pump's performance to the weather conditions.
- ▶ Ability to set up the work schedule to both the heat pump and the circulation pump.
- ▶ Ability to control an additional heater, circulation pump, heating circuits.
- ▶ Electronic expansion valve that maximizes performance.

In standard with the device:

- ▶ Electronic circulation pumps built into the device.
- ▶ Soft Start module (quiet start-up of the compressor)
- extended life-cycle of the device.
- ▶ Three-way valve for DHW functionality built into the device.
- ▶ Complete set of temperature sensors.
- ▶ Built-in 7 kW electric heater.
- ▶ Internet module for remote control of the device.
- ▶ Colour touch panel with thermostat function.



Maxima Compact 7-12GT



Technical specification of the Maxima Compact 7÷12GT heat pump

specification	unit	Maxima Compact 7GT	Maxima Compact 10GT	Maxima Compact 12GT
catalogue number	-	09-150701	09-151001	09-151201
heating power	kW	7,3	9,9	12,5
electrical power	(B0W35) ¹ kW	1,7	2,2	2,8
COP	-	4,3	4,5	4,5
heating power	kW	6,9	9,2	11,8
electrical power	(B0W55) ¹ kW	2,5	3,2	4,1
COP	-	2,8	2,9	2,9
water intake profile	-	L	L	L
maximum volume of mixed water (V ₄₀)	PN-EN16147 l	200	193	198
COP (DHW)	-	2,7	2,1	2,5
SCOP	-	4,6	4,6	4,7
central heating's seasonal energy efficiency	moderate climate (W35)	%	174	178
ErP energy efficiency class for the heating function	-	A++	A+++	A+++
SCOP	-	3,3	3,4	3,5
central heating's seasonal energy efficiency	moderate climate (W55)	%	125	129
ErP energy efficiency class for the heating function	-	A++	A++	A++
maximum temperature of the heating circuit	°C	60	60	60
voltage and frequency	V / Hz	400 / 50	400 / 50	400 / 50
dimensions (height x width x depth)	mm	1840 x 630 x 760	1840 x 630 x 760	1840 x 630 x 760
weight	kg	145	145	150
electric heater power	kW	7	7	7
acoustic power level (at a distance of 2 meters)	dB	32	33	35
acoustic pressure (EN 12102)	dB	52	53	54
nominal / actual tank capacity	l	170 / 145	170 / 145	170 / 145
tank's maximum working pressure	MPa	0,6	0,6	0,6
tank's maximum working temperature	°C	75	75	75

* Details in the warranty card and on our website: <https://galmet.com.pl/pl/pliki-do-pobrania>.

¹ According to the EN 14511 norm; B - glycol temperature; W - heated water temperature range.

GROUND-WATER HEAT PUMP FOR CH AND DHW - *maxima 7-16GT*

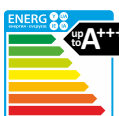
- ▶ High COP value: up to 4,5 (B0W35).¹
- ▶ First Polish ground-water heat pump with the European quality mark EHPA-Q.
- ▶ Ability to obtain grants in Germany - included on the BAFA list.
- ▶ Reliable Scroll compressor.
- ▶ Weather system adjusts the heat pump's performance to the weather conditions.
- ▶ Ability to set up the work schedule to both the heat pump and the circulation pump.
- ▶ Ability to control an additional heater, circulation pump, heating circuits.
- ▶ Electronic expansion valve that maximizes performance.
- ▶ Constant efficiency during the entire heating season.





Maxima 7-16GT

In standard with the device:

- ▶ Complete set of temperature sensors.
- ▶ Internet module for remote control of the device.
- ▶ Electronic circulation pump built into the device.
- ▶ Three-way valve for DHW functionality built into the device.
- ▶ Soft Start module (quiet start-up of the compressor).
- ▶ Built-in 7 kW electric heater.
- ▶ Colour touch panel with thermostat function.



Technical specification of the Maxima 7÷16GT heat pump

specification		unit	Maxima 7GT	Maxima 10GT	Maxima 12GT	Maxima 16GT
catalogue number		-	09-160700	09-161000	09-161200	09-161600
heating power	(B0W35) ¹	kW	7,3	9,9	12,5	16,6
electrical power		kW	1,7	2,2	2,8	3,8
COP		-	4,3	4,5	4,5	4,4
heating power	(B0W55) ¹	kW	6,9	9,2	11,8	15,5
electrical power		kW	2,5	3,2	4,1	5,4
COP		-	2,8	2,9	2,9	2,9
SCOP		-	4,6	4,6	4,7	4,6
central heating's seasonal energy efficiency	moderate climate (W35)	%	174	178	180	177
ErP  energy efficiency class		-	A++	A+++	A+++	A+++
SCOP		-	3,3	3,4	3,5	3,6
central heating's seasonal energy efficiency	moderate climate (W55)	%	125	129	130	136
ErP  energy efficiency class		-	A++	A++	A++	A++
connections		-	1"	1"	1"	1"
maximum temperature of the heating circuit		°C	60	60	60	60
voltage and frequency		V / Hz	400 / 50	400 / 50	400 / 50	400 / 50
dimensions (height x width x depth)		mm	1060 x 590 x 720			
weight		kg	110	110	115	120
electric heater power		kW	7	7	7	7
acoustic pressure (at a distance of 2 m)		dB	33	34	36	38
acoustic power level ²		dB	44	45	47	49

For **Maxima** heat pumps we recommend the dedicated **Maximus** water heater with a maximum size heat exchanger, titanium anode and a 2 kW electric heater.



Details on page 24.

* Details in the warranty card and on our website: <https://galmet.com.pl/pl/pliki-do-pobrania>.

¹ According to the EN 14511 norm; B - glycol temperature; W - heated water temperature range.

² According to the EN 12102 norm.

HIGH-TEMPERATURE GROUND-WATER HEAT PUMP FOR CH AND DHW - *maxima 20-42GT*

- ▶ High COP value: up to 4,7 (B0W35).¹
- ▶ High outlet temperature to the heating circuit: do 65°C (high-temperature heat pump).
- ▶ Ideal for buildings with increased demand for thermal energy.
- ▶ Ability to obtain grants in Germany - included on the BAFA list.
- ▶ Reliable Scroll compressor with EVI.
- ▶ Ability to heat rooms, domestic water and swimming pool water.
- ▶ Weather system adjusts the heat pump's performance to the weather conditions.
- ▶ Ability to set up the work schedule to both the heat pump and the circulation pump.
- ▶ Ability to control an additional heater, circulation pump, heating circuits.
- ▶ Electronic expansion valve that maximizes performance.
- ▶ Constant efficiency during the entire heating season.
- ▶ Energy from nature.
- ▶ Optional equipment²:
 - Three-way valve for DHW functionality.



Maxima 20-42GT

In standard with the device:

- ▶ Complete set of temperature sensors.
- ▶ Internet module for remote control of the device.
- ▶ Electronic circulation pumps supplied with the device.
- ▶ Soft Start module (quiet start-up of the compressor).
- ▶ Colour touch panel with thermostat function.



Technical specification of the Maxima 20÷42GT heat pump

specification	unit	Maxima 20GT	Maxima 28GT	Maxima 34GT	Maxima 42GT
catalogue number	-	09-162000	09-162800	09-163400	09-164200
heating power	kW	19,6	28,1	32,9	41,3
electrical power	(B0W35) ¹ kW	4,3	6,0	7,5	9,1
COP	-	4,6	4,7	4,4	4,5
heating power	kW	20,1	28,2	34,1	41,9
electrical power	(B0W55) ¹ kW	6,7	9,4	12,0	13,6
COP	-	3,0	3,0	2,9	3,1
SCOP	-	4,6	4,8	4,6	4,7
central heating's seasonal energy efficiency	moderate climate (W35) %	176	183	176	180
ErP energy efficiency class	-	A+++	A+++	A+++	A+++
SCOP	-	3,8	3,8	3,6	3,8
central heating's seasonal energy efficiency	moderate climate (W55) %	142	144	137	144
ErP energy efficiency class	-	A++	A++	A++	A++
connections	-	5/4"	5/4"	6/4"	6/4"
maximum temperature of the heating circuit	°C	65	65	65	65
voltage and frequency	V / Hz	400 / 50	400 / 50	400 / 50	400 / 50
dimensions (height x width x depth)	mm	1105 x 730 x 925			
weight	kg	135	160	170	190
acoustic pressure (at a distance of 2 m)	dB	48	50	51	52
acoustic power level ³	dB	59	61	62	63

* Details in the warranty card and on our website: <https://galmet.com.pl/pl/pliki-do-pobrania>.

¹ According to the EN 14511 norm; B - glycol temperature; W - heated water temperature range.

² Not included.

³ According to the EN 12102 norm.

AIR-WATER HEAT PUMP FOR CH AND DHW - *airmax²* 6-15GT

- ▶ High COP value: up to 4,7 (A7W35).¹
- ▶ Ability to obtain grants in Germany - included on the BAFA list.
- ▶ Working range up to -20°C.
- ▶ Weather system adjusts the heat pump's performance to the weather conditions.
- ▶ Reliable scroll compressor and an electronic expansion valve that maximizes performance.
- ▶ Evaporator with a hydrophobic layer.
- ▶ Ability to set up the work schedule to both the heat pump and the circulation pump.
- ▶ Quiet operation thanks to the modulating fans with aerodynamically optimized blades.
- ▶ Easy installation - no digging required.
- ▶ Energy from nature.
- ▶ Optional equipment²:
 - Plate heat exchanger (glycol-water) for existing water installation.
 - Three-way valve for DHW functionality.



Airmax² 12-15GT

Airmax² 6-9GT

In standard with the device:

- ▶ Complete set of temperature sensors.
- ▶ Internet module for remote control of the device.
- ▶ Electronic circulation pump built into the device.
- ▶ Built-in 7 kW electric heater.
- ▶ Colour touch panel with thermostat function.



Technical specification of the Airmax² 6÷15GT heat pump

specification	unit	Airmax ² 6GT	Airmax ² 9GT	Airmax ² 12GT	Airmax ² 15GT
catalogue number	-	09-260600	09-260900	09-261200	09-261500
heating power	kW	6,2	8,1	11,0	13,9
electrical power	(A7W35) ¹ kW	1,4	1,8	2,3	3,0
COP	-	4,4	4,6	4,7	4,6
heating power	kW	4,6	6,1	8,3	10,1
electrical power	(A2W35) ¹ kW	1,7	1,8	2,3	2,8
COP	-	3,3	3,4	3,6	3,6
heating power	kW	5,5	7,3	9,8	12,5
electrical power	(A7W55) ¹ kW	2,1	2,7	3,5	4,3
COP	-	2,6	2,7	2,8	2,9
SCOP	-	3,6	3,7	3,9	4,0
central heating's seasonal energy efficiency	moderate climate (W35) %	139	143	155	158
ErP energy efficiency class	-	A+	A+	A++	A++
SCOP	-	2,8	3,0	3,1	3,1
central heating's seasonal energy efficiency	moderate climate (W55) %	111	116	120	121
ErP energy efficiency class	-	A+	A+	A+	A+
connections	-	1"	1"	1"	1"
maximum temperature of the heating circuit	°C	57	57	57	57
voltage and frequency	V / Hz	400 / 50	400 / 50	400 / 50	400 / 50
dimensions (height x width x depth)	mm	828 x 1295 x 520	828 x 1295 x 520	1435 x 1295 x 520	1435 x 1295 x 520
weight	kg	110	115	140	145
air flow	m ³ /h	3000	3500	5000	6000
electric heater power	kW	7	7	7	7
acoustic pressure (at a distance of 4 m)	dB	45	47	50	53
acoustic power level ³	dB	65	67	70	73

* Details in the warranty card and on our website: <https://galmet.com.pl/pl/pliki-do-pobrania>.

¹ According to the EN 14511 norm; A - intake air temperature; W - heated water temperature range.

² Not included.

³ According to the EN 12102 norm.

HIGH-TEMPERATURE AIR-WATER HEAT PUMP FOR CH AND DHW - *airmax²* 16-30GT

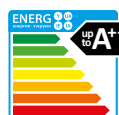
- ▶ High COP value: up to 4,7 (A7W35).¹
- ▶ Reliable Scroll compressor with EVI - supply temperature up to 60°C.
- ▶ Ability to obtain grants in Germany - included on the BAFA list.
- ▶ Working range up to -20°C.
- ▶ Weather system adjusts the heat pump's performance to the weather conditions.
- ▶ Evaporator with a hydrophobic layer.
- ▶ Ability to set up the work schedule to both the heat pump and the circulation pump.
- ▶ Quiet operation thanks to the modulating fans with aerodynamically optimized blades.
- ▶ Easy installation - no digging required.
- ▶ Energy from nature.
- ▶ Optional equipment²:
 - Plate heat exchanger (glycol-water) for existing water installation.
 - Three-way valve for DHW functionality.



Airmax² 16-30GT

In standard with the device:

- ▶ Complete set of temperature sensors.
- ▶ Internet module for remote control of the device.
- ▶ Electronic circulation pump built into the device.
- ▶ Built-in 7 kW electric heater.
- ▶ Colour touch panel with thermostat function.



Technical specification of the Airmax² 16÷30GT heat pump

specification	unit	Airmax ² 16GT	Airmax ² 21GT	Airmax ² 26GT	Airmax ² 30GT
catalogue number	-	09-261600	09-262100	09-262600	09-263000
heating power	kW	15,6	21,0	26,0	29,8
electrical power	(A7W35) ¹ kW	3,3	4,6	5,6	6,4
COP	-	4,7	4,6	4,6	4,7
heating power	kW	11,3	15,0	18,8	21,4
electrical power	(A2W35) ¹ kW	3,2	4,3	5,3	6,1
COP	-	3,6	3,5	3,5	3,5
heating power	kW	15,8	21,2	26,4	30,1
electrical power	(A7W55) ¹ kW	4,9	6,8	8,3	9,5
COP	-	3,3	3,1	3,2	3,2
SCOP	-	4,1	3,9	4,0	4,0
central heating's seasonal energy efficiency	moderate climate (W35) %	160	154	157	158
ErP energy efficiency class	-	A++	A++	A++	A++
SCOP	-	3,1	3,0	3,1	3,1
central heating's seasonal energy efficiency	moderate climate (W55) %	122	119	122	122
ErP energy efficiency class	-	A+	A+	A+	A+
connections	-	1"	5/4"	5/4"	5/4"
maximum temperature of the heating circuit	°C	60	60	60	60
voltage and frequency	V / Hz	400 / 50	400 / 50	400 / 50	400 / 50
dimensions (height x width x depth)	mm	1399 x 1477 x 700	1399 x 1477 x 700	1862 x 1690 x 700	1862 x 1690 x 700
weight	kg	200	205	265	270
air flow	m³/h	8 000	10 000	10 000	12 000
electric heater power	kW	7	7	7	7
acoustic pressure (at a distance of 4 m)	dB	54	54	55	56
acoustic power level ³	dB	74	74	75	76

* Details in the warranty card and on our website: <https://galmet.com.pl/pl/pliki-do-pobrania>.

¹ According to the EN 14511 norm; A - intake air temperature; W - heated water temperature range.

² Not included.

³ According to the EN 12102 norm.

ACCESSORIES AND SPARE PARTS

List of accessories

no.	cat. no.	item	intended use
1	40-262500	Magnesium anode ø33x250 with a 5/4" plug	Basic 200 ¹ , Spectra ¹
2	40-263800	Magnesium anode ø38x400 with a 5/4" plug	Basic 270 ² , Basic 300 ²
3	M-007483	KTY temperature sensor	Basic, Spectra, Small
4	08-001000	PT1000 temperature sensor	Basic, Spectra, Small
5	09-000112	EPP insulation for SWEP 40 plate heat exchanger	SWEP 40 plate heat exchanger
6	09-000113	EPP insulation for SWEP 60 and 70 plate heat exchangers	SWEP 60, SWEP 70 plate heat exchangers
7	09-000115	EPP insulation for SWEP 100 plate heat exchanger	SWEP 100 plate heat exchanger
8	09-000921	Hydraulic module with a distributor up to 35 kW - 1 high-temperature zone, 1 low-temperature zone, valve with actuator, cabinet	Airmax ² , Maxima, Maxima Compact
9	M-011020	ST-505 internet module	Basic, Small ³
10	M-013272	Extension module B - support for two additional heating circuits (two CT4 2M temp. sensors included)	Airmax ² , Maxima, Maxima Compact
11	M-013657	Rubber bases (2 pcs.)	Airmax ² 6-15GT
12	09-000001	ALPHA1 L 25-40 180 circulation pump (when connected to the tank's spiral coil)	Small
13	09-000002	ALPHA1 N L 25-40 180 circulation pump (when connected directly to the DHW)	Small
14	09-000200	Siemens actuator for VBI60 valve	Airmax ² 21-30GT, Maxima 20-42GT
15	09-000102	Plate heat exchanger (glycol-water) for the existing water installation (SWEP 40)	Airmax ² 6-9GT
16	09-000103	Plate heat exchanger (glycol-water) for the existing water installation (SWEP 60)	Airmax ² 12-16GT
17	09-000104	Plate heat exchanger (glycol-water) for the existing water installation (SWEP 70)	Airmax ² 21GT
18	09-000105	Plate heat exchanger (glycol-water) for the existing water installation (SWEP 100)	Airmax ² 26-30GT
19	M-006896	Three-way valve with actuator for DHW functionality	Airmax ² 6-16GT
20	09-000201	VBI60 three-way changeover valve 1 1/2"	Airmax ² 21-30GT, Maxima 20-42GT

¹ In case of Basic 200 and Spectra heat pumps it is necessary to replace 2 magnesium anodes.

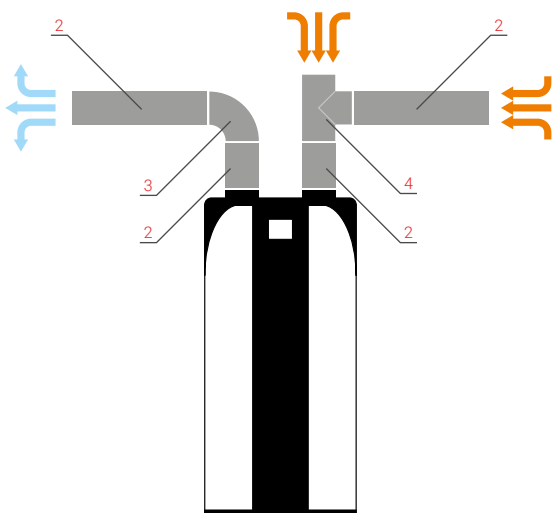
² In case of Basic 270 and Basic 300 heat pumps it is necessary to replace 1 magnesium anode.

³ The module is compatible with the controller version 53.3 or newer.

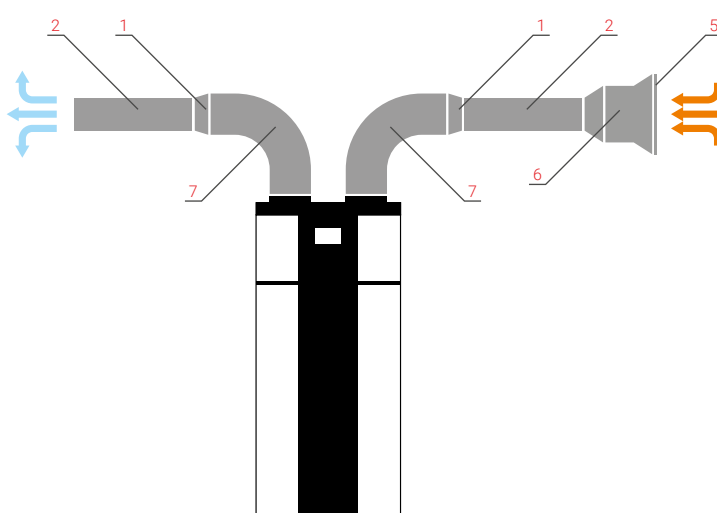
VENTILATION ELEMENTS FOR GALMET'S HEAT PUMPS

List of ventilation elements for the Basic, Spectra and Small heat pumps

no.	cat. no.	item	intended use
1	M-009656	Duct reducer ø200/160 muff/connector	Spectra, Small
2	M-009657	Spiral pipe ø160/160 muff/muff (sold in pieces of 1,5 meters in length)	Basic, Spectra, Small
3	M-009658	Pressed bend ø160/160 connector/connector	Basic, Spectra, Small
4	M-009659	90 degree tee piece ø160/160 connector/connector with throttle	Basic, Spectra, Small
5	M-009660	Air intake vent ø250 connector	Basic, Spectra, Small
6	M-009661	Duct reducer ø250/160 muff (for the air intake vent)/connector	Basic, Spectra, Small
7	M-009663	Fabricated bend ø200/200 muff/connector	Spectra, Small
8	M-009664	Duct clamp ø160	Basic, Spectra, Small
9	M-009665	Joining collar ø160/160 connector/connector	Basic, Spectra, Small



Exemplary configuration of air ducts for the Basic heat pump



Exemplary configuration of air ducts for the Spectra heat pump

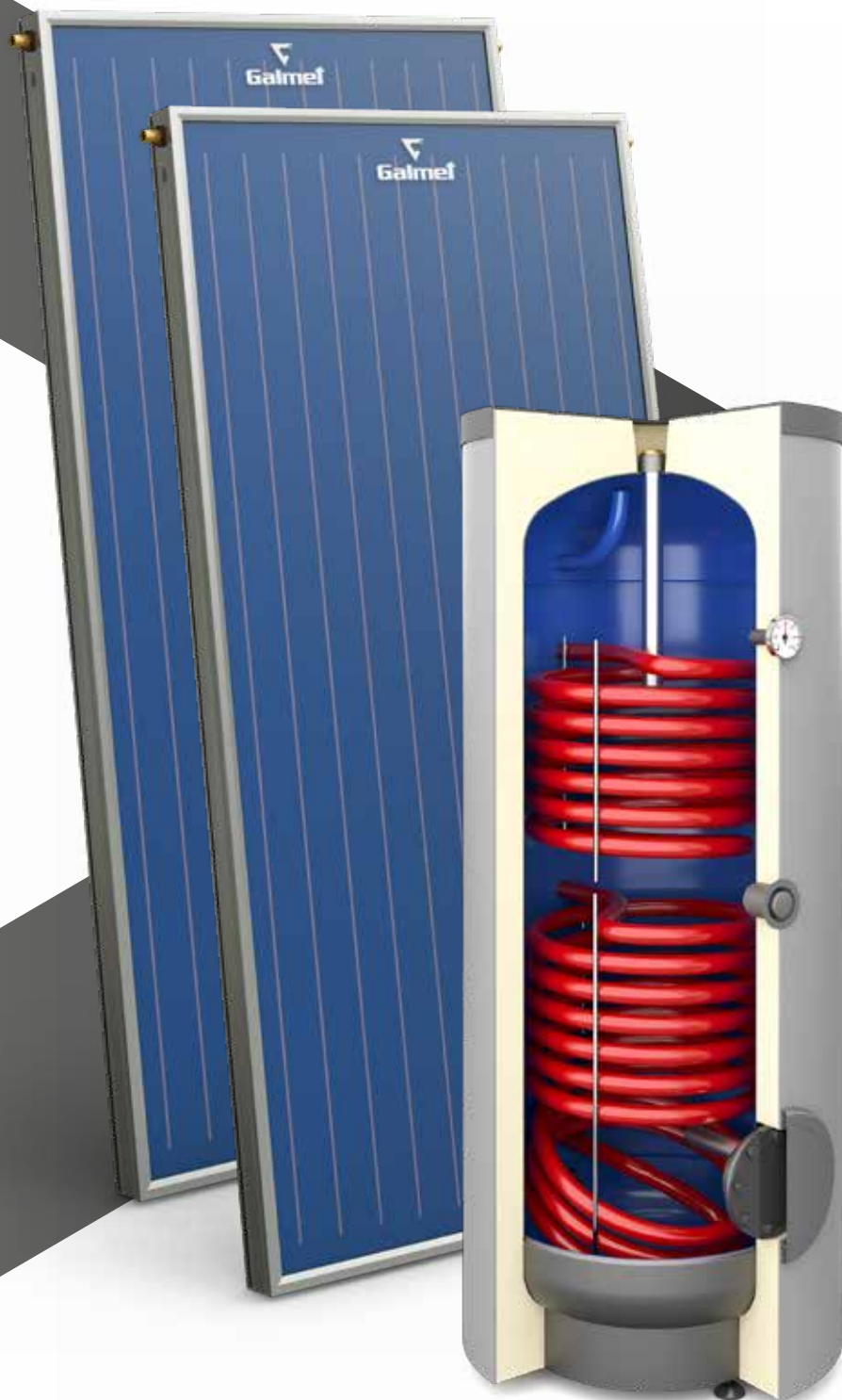


»»» MAXIMA

THE FIRST POLISH GROUND-WATER
HEAT PUMP WITH THE EHPA-Q
EUROPEAN QUALITY MARK

Maxima meets the highest quality standards while being environmentally friendly. No matter the season and outside temperature, Maxima will provide the necessary heat to keep your home and water warm.

* Details in the warranty card and on our website: <https://galmet.com.pl/pl/pliki-do-pobrania>.



SOLAR SYSTEMS

– Flat solar collectors - type KSG Premium GT (copper) and KSG GT (aluminium)	72
– Complete solar systems with copper solar collectors and an indirect water heater for DHW	73
– Complete solar systems with aluminium solar collectors and an indirect water heater for DHW	76
– Accessories and spare parts	78

FLAT SOLAR COLLECTORS

COPPER (CU) AND ALUMINIUM (AL) - TYPE KSG

- ▶ Flat solar collector ready to be installed directly on the roof (flat or pitched) or on any base by using a frame construction.
- ▶ High optical efficiency at 82,9% (for collectors with 2,1 m² gross surface area) confirmed by the "Solar Keymark" certificate.
- ▶ High sunlight absorption at 95%.
- ▶ Up to 60% in annual savings in energy costs for heating DHW.
- ▶ Extremely high sunlight permeability OF 96% thanks to the prismatic tempered glass with anti-reflective coating (copper collectors only).
- ▶ Insulation of the highest quality - with pressed solar wool at the bottom part of the solar collector.
- ▶ Patented double-wall profile ensures side insulation, as well as increases the rigidity of the collector's structure.
- ▶ Thanks to the materials of the highest durability, the KSG collectors have a very long service life, which is further confirmed by the 10 year warranty.
- ▶ Easy installation and intuitive controls.



▶ The KSG type flat solar collectors are „Solar Keymark” certified and are subject to funding.



Technical specification - flat solar collectors

specification	unit	KSG 21 Premium GT	KSG 27 Premium GT	KSG 21GT	KSG 27GT
catalogue number	-	08-102102	08-102702	08-102112	08-102712
type of collector	-	flat	flat	flat	flat
collector gross surface area	m ²	2,1	2,7	2,1	2,7
aperture area (active area)	m ²	1,94	2,57	1,94	2,57
glass	-	anti-reflective prismatic	anti-reflective prismatic	prismatic	prismatic
optical efficiency	%	82,9	79,5	82,9	80,7
heat loss coefficient	a1/a2	3,800/0,012	4,883/0,009	3,808/0,015	3,695/0,016
absorption efficiency	%	95	95	95	95
absorbing layer	-	highly selective	highly selective	highly selective	highly selective
absorber material	-	copper	copper	aluminium	aluminium
absorber piping material	-	copper pipe	copper pipe	aluminium pipe	aluminium pipe
absorber piping system	-	double harp	double harp	double harp	double harp
welding technology	-	ultrasound	ultrasound	ultrasound	ultrasound
number of risers	pcs.	12	16	12	16
header cross-section / lateral pipe cross-section	mm	22/8	22/8	22/8	22/8
maximum working pressure	MPa	0,6	0,6	0,6	0,6
liquid capacity	l	1,6	2,1	1,6	2,1
stagnation temperature	°C	201	201	182	182
insulation	-	mineral wool	mineral wool	mineral wool	mineral wool
housing	-	aluminium profile	aluminium profile	aluminium profile	aluminium profile
length	mm	2033	2033	2033	2033
width	mm	1033	1354	1033	1354
height	mm	83	83	83	83
net weight	kg	37,5	46,5	31,8	40,4

* Details in the warranty card.

COMPLETE SOLAR SYSTEMS WITH **COPPER** SOLAR COLLECTORS AND AN INDIRECT WATER HEATER FOR DHW

DIN **AIT** AUSTRIAN INSTITUTE OF TECHNOLOGY

- 3 flat solar collectors KSG21 Premium GT with connection kit
 - completely copper absorber
 - anti-reflective prismatic glass resistant to hail
 - high optical efficiency - 82,9%
 - Solar Keymark certificate issued by the Austrian Institute of Technology
- SGW(S)B Tower Biwal 300 l indirect water heater
 - highest possible energy efficiency class - A
 - innovative insulation Neodul®
 - maintenance-free, active titanium anode
 - Dielectric Protection® that prevents corrosion of the hydraulic connections
- Electronic, two-way pump group with air separator
 - high performance
 - low power consumption
- MTDC control module
 - optimal protection thanks to electronic measurement of corrosion current (supports titanium anode)
 - integrated operating hours counter
 - intelligent control of the solar layouts
 - PWM signal control of the solar pump
 - intuitive interface
- Double, corrugated solar tube made of stainless steel
 - high thermal resistance - up to +220°C
 - low heat losses thanks to the polyester fiber insulation
 - TUV certificate from Stuttgart
 - cables included
- 40 litres of Glycol dedicated to copper installations
- Diaphragm vessel of a capacity of 24 l with connection set

PRIME

- perfect for 3-6 people¹
- 3 flat solar collectors KSG 21 Premium GT
- 6,3 m² of gross surface area
- 5,8 m² of aperture (active) area
- Cu installation package included

cat. no.	description
08-942133	3x KSG 21 Premium GT, Cu installation package, SGW(S)B Tower Biwal 300 (ErP A)
08-220302	Installation kit for pitched roofs covered with tiles (for 3 solar collectors)
08-220312	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 3 solar collectors)
08-220301	Installation kit for a flat roof (for 3 solar collectors)

COMPLETE SOLAR SYSTEMS WITH **COPPER** SOLAR COLLECTORS AND AN INDIRECT WATER HEATER FOR DHW



PREMIUM STANDARD

- ▶ perfect for 2-4 people ¹
- ▶ 2 flat solar collectors KSG 21 Premium GT
- ▶ 4,2 m² of gross surface area
- ▶ 3,9 m² of aperture (active) area
- ▶ Cu installation package included

cat. no.	description
08-942012	2x KSG 21 Premium GT, Cu installation package, SGW(S)B Tower Biwal 200 indirect water heater
08-902002	2x KSG 21 Premium GT (Cu installation package, without indirect water heater)
08-220202	Installation kit for pitched roofs covered with tiles (for 2 solar collectors)
08-220212	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 2 solar collectors)
08-220201	Installation kit for a flat roof (for 2 solar collectors)

PREMIUM

- ▶ perfect for 2-4 people ¹
- ▶ 2 flat solar collectors KSG 21 Premium GT
- ▶ 4,2 m² of gross surface area
- ▶ 3,9 m² of aperture (active) area
- ▶ Cu installation package included

cat. no.	description
08-900400	2x KSG 21 Premium GT, Cu installation package, SGW(S)B Tower Biwal 250 indirect water heater
08-902002	2x KSG 21 Premium GT (Cu installation package, without indirect water heater)
08-220202	Installation kit for pitched roofs covered with tiles (for 2 solar collectors)
08-220212	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 2 solar collectors)
08-220201	Installation kit for a flat roof (for 2 solar collectors)

PREMIUM PLUS

- ▶ perfect for 3-6 people ¹
- ▶ 3 flat solar collectors KSG 21 Premium GT
- ▶ 6,3 m² of gross surface area
- ▶ 5,8 m² of aperture (active) area
- ▶ Cu installation package included

cat. no.	description
08-942033	3x KSG 21 Premium GT, Cu installation package, SGW(S)B Tower Biwal 300 indirect water heater
08-902003	3x KSG 21 Premium GT (Cu installation package, without indirect water heater)
08-220302	Installation kit for pitched roofs covered with tiles (for 3 solar collectors)
08-220312	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 3 solar collectors)
08-220301	Installation kit for a flat roof (for 3 solar collectors)

The **Cu** installation package includes:



20 l glycol container



collectors' connection kit



electronic, two-way pump group with air separator



diaphragm vessel ²



diaphragm vessel installation kit ³



STDC control module ⁴

Different configurations possible on client's request.

¹ According to the average daily DHW demand.

² Diaphragm vessel of different capacities depending on the number of solar collectors in the set:

- 2 KSG21 Premium GT solar collectors = 18 l
- 3 KSG21 Premium GT solar collectors = 24 l
- 4 KSG21 Premium GT solar collectors = 36 l
- 5 KSG21 Premium GT solar collectors = 50 l
- 2 KSG27 Premium GT solar collectors = 24 l
- 3 KSG27 Premium GT solar collectors = 36 l
- 4 KSG27 Premium GT solar collectors = 50 l

³ Applicable to diaphragm vessel up to 24 l capacity.

⁴ More advanced MTDC control module also available (surcharge required).

COMPLETE SOLAR SYSTEMS WITH **COPPER** SOLAR COLLECTORS AND AN INDIRECT WATER HEATER FOR DHW

PREMIUM MAXI

- ▶ perfect for 4-8 people ¹
- ▶ 4 flat solar collectors KSG 21 Premium GT
- ▶ 8,4 m² of gross surface area
- ▶ 7,76 m² of aperture (active) area
- ▶ Cu installation package included

cat. no.	description
08-942044	4x KSG 21 Premium GT, Cu installation package, SGW(S)B Tower Biwal 400
08-902004	4x KSG 21 Premium GT (Cu installation package, without indirect water heater)
08-220402	Installation kit for pitched roofs covered with tiles (for 4 solar collectors)
08-220412	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 4 solar collectors)
08-220401	Installation kit for a flat roof (for 4 solar collectors)

PREMIUM MAXI PLUS

- ▶ perfect for 5-10 people ¹
- ▶ 5 flat solar collectors KSG 21 Premium GT
- ▶ 10,5 m² of gross surface area
- ▶ 9,6 m² of aperture (active) area
- ▶ Cu installation package included

cat. no.	description
08-942055	5x KSG 21 Premium GT, Cu installation package, SGW(S)B Tower Biwal 500
08-902005	5x KSG 21 Premium GT (Cu installation package, without indirect water heater)
08-220502	Installation kit for pitched roofs covered with tiles (for 5 solar collectors)
08-220512	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 5 solar collectors)
08-220501	Installation kit for a flat roof (for 5 solar collectors)



PREMIUM LARGE

- ▶ perfect for 3-6 people ¹
- ▶ 2 flat solar collectors KSG 27 Premium GT
- ▶ 5,5 m² of gross surface area
- ▶ 5,1 m² of aperture (active) area
- ▶ Cu installation package included

cat. no.	description
08-942632	2x KSG 27 Premium GT, Cu installation package, SGW(S)B Tower Biwal 300 indirect water heater
08-226202	Installation kit for pitched roofs covered with tiles (for 2 solar collectors)
08-226212	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 2 solar collectors)
08-226201	Installation kit for a flat roof (for 2 solar collectors)

PREMIUM LARGE PLUS

- ▶ perfect for 4-8 people ¹
- ▶ 3 flat solar collectors KSG 27 Premium GT
- ▶ 8,25 m² of gross surface area
- ▶ 7,7 m² of aperture (active) area
- ▶ Cu installation package included

cat. no.	description
08-942643	3x KSG 27 Premium GT, Cu installation package, SGW(S)B Tower Biwal 400 indirect water heater
08-226302	Installation kit for pitched roofs covered with tiles (for 3 solar collectors)
08-226312	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 3 solar collectors)
08-226301	Installation kit for a flat roof (for 3 solar collectors)

The **Cu**
installation
package
includes:



20 l glycol
container



collectors'
connection kit



electronic, two-way
pump group with air
separator



diaphragm
vessel ²



diaphragm vessel
installation kit ³



STDC control
module ⁴

Different configurations possible on client's request.

¹ According to the average daily DHW demand.

² Diaphragm vessel of different capacities depending on the number of solar collectors in the set:

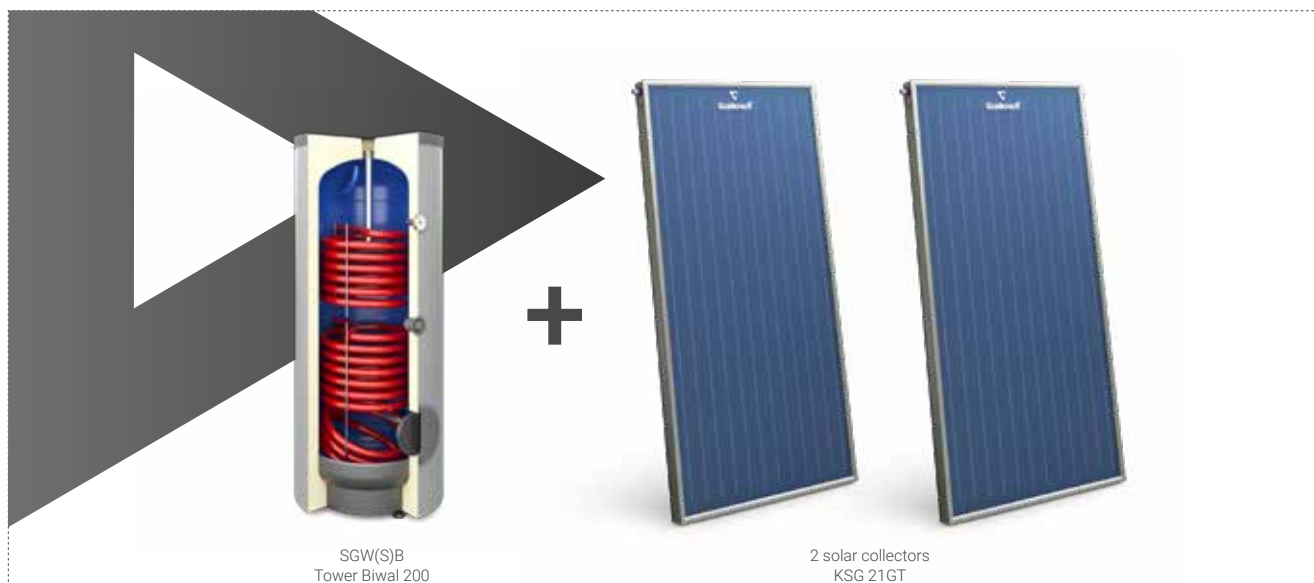
- 2 KSG21 Premium GT solar collectors = 18 l
- 3 KSG21 Premium GT solar collectors = 24 l
- 4 KSG21 Premium GT solar collectors = 36 l
- 5 KSG21 Premium GT solar collectors = 50 l
- 2 KSG27 Premium GT solar collectors = 24 l
- 3 KSG27 Premium GT solar collectors = 36 l
- 4 KSG27 Premium GT solar collectors = 50 l

³ Applicable to diaphragm vessel up to 24 l capacity.

⁴ More advanced MTDC control module also available (surcharge required).

COMPLETE SOLAR SYSTEMS WITH **ALUMINIUM** SOLAR COLLECTORS AND AN INDIRECT WATER HEATER FOR DHW

SOLAR SYSTEMS



PREMIUM STANDARD AL

- ▶ perfect for 2-4 people ¹
- ▶ 2 flat solar collectors KSG 21GT
- ▶ 4,2 m² of gross surface area
- ▶ 3,9 m² of aperture (active) area
- ▶ Al installation package included

cat. no.	description
08-952012	2x KSG 21GT, Al installation package, SGW(S)B Tower Biwal 200 indirect water heater
08-912002	2x KSG 21GT (Al installation package, without indirect water heater)
08-220202	Installation kit for pitched roofs covered with tiles (for 2 solar collectors)
08-220212	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 2 solar collectors)
08-220201	Installation kit for a flat roof (for 2 solar collectors)

PREMIUM AL

- ▶ perfect for 2-4 people ¹
- ▶ 2 flat solar collectors KSG 21GT
- ▶ 4,2 m² of gross surface area
- ▶ 3,9 m² of aperture (active) area
- ▶ Al installation package included

cat. no.	description
08-952022	2x KSG 21GT, Al installation package, SGW(S)B Tower Biwal 250 indirect water heater
08-912002	2x KSG 21GT (Al installation package, without indirect water heater)
08-220202	Installation kit for pitched roofs covered with tiles (for 2 solar collectors)
08-220212	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 2 solar collectors)
08-220201	Installation kit for a flat roof (for 2 solar collectors)

PREMIUM PLUS AL

- ▶ perfect for 3-6 people ¹
- ▶ 3 flat solar collectors KSG 21GT
- ▶ 6,3 m² of gross surface area
- ▶ 5,8 m² of aperture (active) area
- ▶ Al installation package included

cat. no.	description
08-952033	3x KSG 21GT, Al installation package, SGW(S)B Tower Biwal 300 indirect water heater
08-912003	3x KSG 21GT (Al installation package, without indirect water heater)
08-220302	Installation kit for pitched roofs covered with tiles (for 3 solar collectors)
08-220312	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 3 solar collectors)
08-220301	Installation kit for a flat roof (for 3 solar collectors)

The **Al** installation package includes:



Different configurations possible on client's request.

¹ According to the average daily DHW demand.

² Diaphragm vessel of different capacities depending on the number of solar collectors in the set:

- 2 KSG21 GT solar collectors = 18 l
- 3 KSG21 GT solar collectors = 24 l
- 4 KSG21 GT solar collectors = 36 l
- 5 KSG21 GT solar collectors = 50 l
- 2 KSG27 GT solar collectors = 24 l
- 3 KSG27 GT solar collectors = 36 l
- 4 KSG27 GT solar collectors = 50 l

³ Applicable to diaphragm vessel up to 24 l capacity.

⁴ More advanced MTDC control module also available (surcharge required).

Warning! Aluminium collectors must be connected to the installation by stainless steel pipes. In addition, aluminium collectors use chrome connection sets, as well as special glycol type, intended for aluminium collectors only.

COMPLETE SOLAR SYSTEMS WITH **ALUMINIUM** SOLAR COLLECTORS AND AN INDIRECT WATER HEATER FOR DHW

PREMIUM MAXI AL

- ▶ perfect for 4-8 people ¹
- ▶ 4 flat solar collectors KSG 21GT
- ▶ 8,4 m² of gross surface area
- ▶ 7,76 m² of aperture (active) area
- ▶ AI installation package included

cat. no.	description
08-952044	4x KSG 21GT, AI installation package, SGW(S)B Tower Biwal 400 indirect water heater
08-912004	4x KSG 21GT (AI installation package, without indirect water heater)
08-220402	Installation kit for pitched roofs covered with tiles (for 4 solar collectors)
08-220412	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 4 solar collectors)
08-220401	Installation kit for a flat roof (for 4 solar collectors)

PREMIUM MAXI PLUS AL

- ▶ perfect for 5-10 people ¹
- ▶ 5 flat solar collectors KSG 21GT
- ▶ 10,5 m² of gross surface area
- ▶ 9,6 m² of aperture (active) area
- ▶ AI installation package included

cat. no.	description
08-952055	5x KSG 21GT, AI installation package, SGW(S)B Tower Biwal 500 indirect water heater
08-912005	5x KSG 21GT (AI installation package, without indirect water heater)
08-220502	Installation kit for pitched roofs covered with tiles (for 5 solar collectors)
08-220512	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 5 solar collectors)
08-220501	Installation kit for a flat roof (for 5 solar collectors)

PREMIUM LARGE AL

- ▶ perfect for 3-6 people ¹
- ▶ 2 flat solar collectors KSG 27GT
- ▶ 5,5 m² of gross surface area
- ▶ 5,1 m² of aperture (active) area
- ▶ AI installation package included

cat. no.	description
08-952632	2x KSG 27GT, AI installation package, SGW(S)B Tower Biwal 300 indirect water heater
08-226202	Installation kit for pitched roofs covered with tiles (for 2 solar collectors)
08-226212	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 2 solar collectors)
08-226201	Installation kit for a flat roof (for 2 solar collectors)

PREMIUM LARGE PLUS AL

- ▶ perfect for 4-8 people ¹
- ▶ 3 flat solar collectors KSG 27GT
- ▶ 8,25 m² of gross surface area
- ▶ 7,7 m² of aperture (active) area
- ▶ AI installation package included

cat. no.	description
08-952643	3x KSG 27GT, AI installation package, SGW(S)B Tower Biwal 400 indirect water heater
08-226302	Installation kit for pitched roofs covered with tiles (for 3 solar collectors)
08-226312	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 3 solar collectors)
08-226301	Installation kit for a flat roof (for 3 solar collectors)

KOMBI LARGE AL

- ▶ perfect for 4-6 people ¹
- ▶ 4 flat solar collectors KSG 27GT
- ▶ 10,8 m² of gross surface area
- ▶ 10,2 m² of aperture (active) area
- ▶ AI installation package included

cat. no.	description
08-952654	4x KSG 27GT, AI installation package, SG(K) Kumulo 500/160 combined heat accumulation vessel with a heat exchanger in an outer tank
08-226402	Installation kit for pitched roofs covered with tiles (for 4 solar collectors)
08-226412	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 4 solar collectors)
08-226401	Installation kit for a flat roof (for 4 solar collectors)

The **AI** installation package includes:



20 l glycol container for aluminium solar collectors



chrome collectors' connection kit ALU



electronic, one-way pump group



diaphragm vessel ²



diaphragm vessel installation kit without check valve ³



STDC control module ⁴

Different configurations possible on client's request.

¹ According to the average daily DHW demand.

² Diaphragm vessel of different capacities depending on the number of solar collectors in the set:

- 2 KSG21 GT solar collectors = 18 l
- 3 KSG21 GT solar collectors = 24 l
- 4 KSG21 GT solar collectors = 36 l
- 5 KSG21 GT solar collectors = 50 l
- 2 KSG27 GT solar collectors = 24 l
- 3 KSG27 GT solar collectors = 36 l
- 4 KSG27 GT solar collectors = 50 l

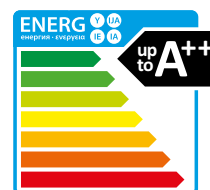
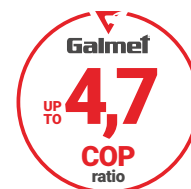
³ Applicable to diaphragm vessel up to 24 l capacity.

⁴ More advanced MTDC control module also available (surcharge required).

Warning! Aluminium collectors must be connected to the installation by stainless steel pipes. In addition, aluminium collectors use chrome connection sets, as well as special glycol type, intended for aluminium collectors only.

ACCESSORIES AND SPARE PARTS

no.	cat. no.	item
1	08-400400	STDC controller
2	08-400300	MTDC controller
3	08-400740	LTDC controller
4	08-400710	Ethernet module for the MTDC controller
5	08-300108	One-way solar pump group without the diaphragm vessel set
6	08-300308	Two-way solar pump group without the diaphragm vessel set
7	08-300408	Two-way solar pump group GT (greater efficiency) without the diaphragm vessel set
8	33-180200	Diaphragm vessel 18 l
9	33-240200	Diaphragm vessel 24 l
10	33-360200	Diaphragm vessel 36 l
11	33-500200	Diaphragm vessel 50 l
12	08-003001	Kit for connecting the diaphragm vessel from 18 l to 24 l, 3/4" with stop valve
13	08-003003	Kit for connecting the diaphragm vessel from 18 l to 24 l, without stop valve
14	08-002000	Solar fluid (glycol) 20 l (-30)
15	08-002100	Solar fluid (glycol) 20 l (-30) for aluminium solar collectors
16	08-000010	Connection kit for 1 solar collector
17	08-000020	Connection kit for 2 solar collectors
18	08-000030	Connection kit for 3 solar collectors
19	08-000040	Connection kit for 4 solar collectors
20	08-000050	Connection kit for 5 solar collectors
21	08-000011	Chrome connection kit for 1 aluminium solar collector
22	08-000021	Chrome connection kit for 2 aluminium solar collectors
23	08-000031	Chrome connection kit for 3 aluminium solar collectors
24	08-000041	Chrome connection kit for 4 aluminium solar collectors
25	08-000051	Chrome connection kit for 5 aluminium solar collectors
26	08-004122	Joint clip Ø 22/22 for connecting solar collectors
27	m-001232	Elbow (for connecting solar collectors) 22/ 3/4" Ext. thread
28	m-004418	4-way solar coupling Ø 22x3/4" with a vent and a sensor capillary for solar collectors
29	08-004222	Joint clip Ø 22/22 for connecting aluminium solar collectors
30	m-009289	Elbow (for connecting aluminium solar collectors) 22/ 3/4" Ext. thread
31	m-009290	4-way solar coupling Ø 22x3/4" with a vent and a sensor capillary for aluminium solar collectors
32	m-009219	Screw 10x200 A2 DIN6923 for metal roof tiles
33	m-006256	A stainless steel hook for roofs with plain tiles
34	m-010077	A stainless steel hook for roofs with slate tiles with a "L" type hook
35	m-010078	A stainless steel hook for roofs with slate tiles with a "S" type hook
36	m-010083	A stainless steel hook for roofs with slate tiles with a "Z" type hook
37	08-001000	PT1000 temperature sensor for STDC and MTDC controllers
38	m-007223	Manual refractometer
39	08-715012	Rotameter 2-12 l/min
40	08-000601	Device for venting/filling the solar installation
41	m-010386	DN15 ¾ FLEXIRA nut for the corrugated solar tube's pipe connection set (1 piece)
42	m-010387	DN15 ¾ FLEXIRA gasket for the corrugated solar tube's pipe connection set (1 piece)
43	08-005020	Double, corrugated solar tube made of stainless steel with insulation - 20 m
44	08-005030	Double, corrugated solar tube made of stainless steel with insulation - 30 m
45	08-005060	Double, corrugated solar tube made of stainless steel with insulation - 60 m
46	08-230010	Holder with screws for correcting the collector inclination by 10° (quantity required = number of collectors + 1 pc.)
47	08-230020	Holder with screws for correcting the collector inclination by 20° (quantity required = number of collectors + 1 pc.)
48	08-220102	Installation kit for pitched roofs covered with tiles (for 1 KSG 21 Premium GT solar collector)
49	08-220112	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 1 KSG 21 Premium GT solar collector)
50	08-220101	Installation kit for a flat roof (for 1 KSG 21 Premium GT solar collector)
51	08-220202	Installation kit for pitched roofs covered with tiles (for 2 solar collectors)
52	08-220212	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 2 solar collectors)
53	08-220201	Installation kit for a flat roof (for 2 solar collectors)
54	08-220302	Installation kit for pitched roofs covered with tiles (for 3 solar collectors)
55	08-220312	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 3 solar collectors)
56	08-220301	Installation kit for a flat roof (for 3 solar collectors)
57	08-220402	Installation kit for pitched roofs covered with tiles (for 4 solar collectors)
58	08-220412	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 4 solar collectors)
59	08-220401	Installation kit for a flat roof (for 4 solar collectors)
60	08-220502	Installation kit for pitched roofs covered with tiles (for 5 solar collectors)
61	08-220512	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 5 solar collectors)
62	08-220501	Installation kit for a flat roof (for 5 solar collectors)
63	08-226202	Installation kit for pitched roofs covered with tiles (for 2 solar collectors)
64	08-226212	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 2 solar collectors)
65	08-226201	Installation kit for a flat roof (for 2 solar collectors)
66	08-226302	Installation kit for pitched roofs covered with tiles (for 3 solar collectors)
67	08-226312	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 3 solar collectors)
68	08-226301	Installation kit for a flat roof (for 3 solar collectors)
69	08-226402	Installation kit for pitched roofs covered with tiles (for 4 solar collectors)
70	08-226412	Installation kit for pitched roofs covered with steel sheets, tar paper or shingles (for 4 solar collectors)
71	08-226401	Installation kit for a flat roof (for 4 solar collectors)



HEAT PUMP TO THE POWER OF 2

»» AIRMAX²

The most efficient air-to-water heat pump for central heating and domestic hot water. It offers extremely high COP efficiency: up to 4,7 with A++ energy efficiency, which guarantees low heating costs. The ease and convenience of operation is ensured by an advanced controller with a coloured touch screen and an internet module that allows for a remote control.



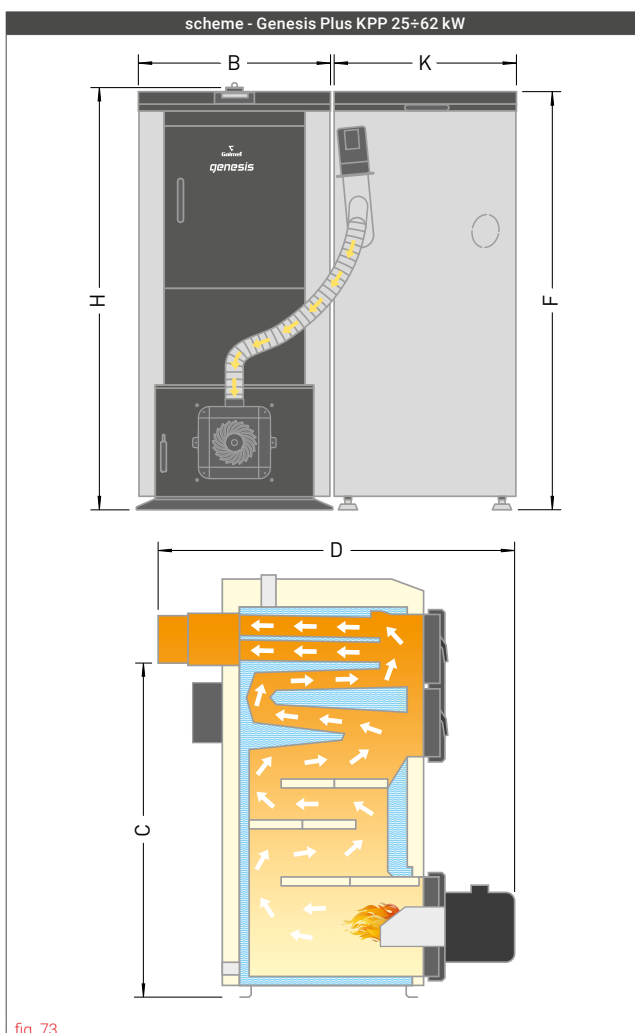
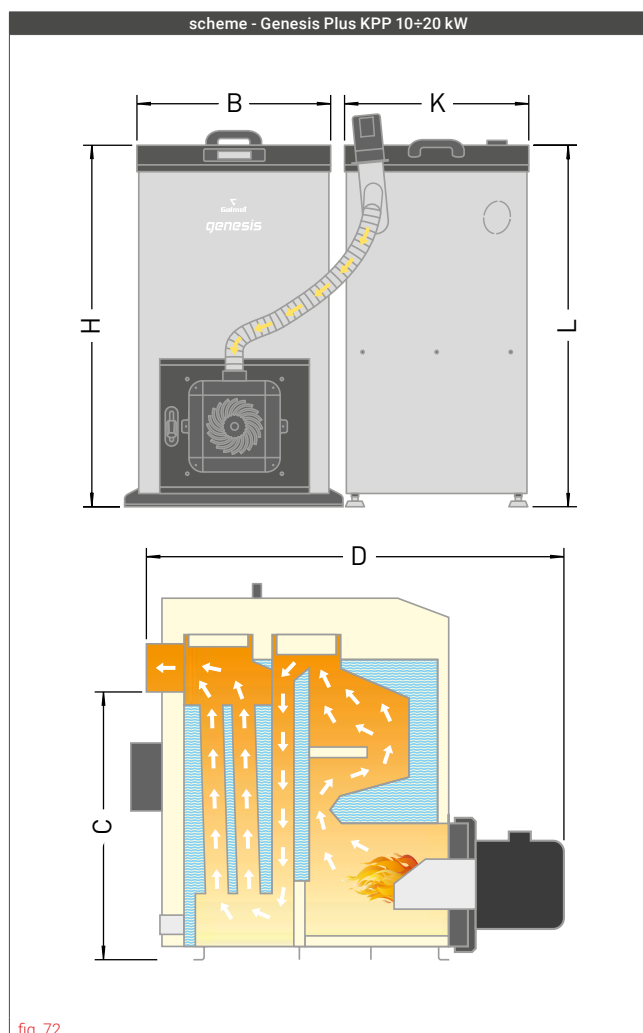
CH PELLET BOILERS

– Genesis Plus KPP: pellet boiler (class 5)	82
– Accessories and spare parts	84

CH PELLET BOILERS - TYPE GENESIS PLUS KPP

Technical specification - Genesis Plus KPP 10÷62 kW CH pellet boilers

specification	unit	Genesis Plus KPP					
nominal power	kW	10	15	20	25	34	62
ErP energy efficiency class	-	A+	A+	A+	A+	A+	A+
power range	kW	3,0 ÷ 10,0	4,5 ÷ 15,0	6,0 ÷ 20,0	7,5 ÷ 25,0	10,2 ÷ 34,0	18,6 ÷ 62,0
fuel tank capacity	dm ³	180	180	180	350	350	800
boiler water capacity	dm ³	46	68	90	127	134	215
boiler heating surface	m ²	1,66	2,08	2,63	3,12	3,90	7,00
fuel	-	6-8 mm wood pellets					
surface of the heated rooms ¹	m ²	do 133	do 200	do 266	do 333	do 453	do 826
weight (boiler + burner + feeder + fuel tank)	kg	285	325	362	431	485	790
minimum chimney height	m	6	6	6	6	6	6
minimum chimney cross-section	mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 180	Ø 250
required chimney draft	mbar	0,16	0,20	0,24	0,24	0,26	0,41
smoke conduit external dimension	mm	Ø 133	Ø 159	Ø 159	Ø 159	Ø 179	Ø 250
operating temperature range	°C	55 ÷ 85	55 ÷ 85	55 ÷ 85	55 ÷ 85	55 ÷ 85	55 ÷ 85
thermal efficiency	%	96,56	96,75	97,01	97,10	97,25	92,20
connections	"	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼	2
allowable operating pressure	bar	2	2	2	2	2	2
boiler width (B)	mm	523	595	667	546	626	731
smoke conduit height from the floor (C)	mm	723	710	710	1132	1123	1191
boiler depth with smoke conduit (D)	mm	1120	1120	1120	1220	1290	1515
boiler height (H)	mm	970	970	970	1440	1440	1620
fuel tank width (K)	mm	528	528	528	526	526	1010
fuel tank height (L)	mm	970	970	970	1426	1426	1617



¹ Depending on the level of building insulation and without the need for DHW.



BAFA
Bundesamt
für Wirtschaft
und Ausfuhrkontrolle



Genesis Plus KPP 10÷62 kW

cat. no.	power	model	EAN code
07-105502	10 kW	Genesis Plus KPP	5901224326233
07-155502	15 kW		5901224326257
07-205502	20 kW		5901224326271
07-255502	25 kW		5901224326301
07-345502	34 kW		5901224326295
07-625302	62 kW		5901224326332

The boilers are equipped with **self-cleaning hybrid burner (Genesis Plus 10-34 kW)**,
or rotary burner (Genesis Plus 62 kW) and PELLASX S.Control controller.

Additional equipment for the Genesis Plus KPP:

- ▶ Fuel tank attachment that increases the tank's capacity from 180 to 350 dm³ (cat. no. 40-700180).

Advantages of the Genesis Plus KPP:

- ▶ 5-class emissions rank (in accordance with the EN 303-5:2012 standard) and ECODESIGN standard.
- ▶ Ability to obtain grants in Germany - included on the BAFA list
- ▶ Extremely high thermal efficiency - up to 97%.
- ▶ Convenience - automatic ignition system and power modulation.
- ▶ Comfort of use - large fuel tank, intuitive controller.
- ▶ Burner with automatic cleaning function:
 - hybrid (Genesis Plus 10-34 kW),
 - rotary (Genesis Plus 62 kW).
- ▶ 5 mm boiler steel body guarantees boiler's high durability and long lifespan of the CH boiler.
- ▶ Direct control of the 2 mixing valve actuators.
- ▶ Buffer support.
- ▶ Weather sensor and STB protection as standard.

Additional functions for the controller (option):

- ▶ Expansion module B (cat. no.: M-009955).
- ▶ Expansion module C (cat. no.: M-010124).
- ▶ Internet module - control via the internet (cat. no.: M-009693).
- ▶ Room controller, wired, touch, color (cat. no.: M-010388).
- ▶ Room controller, wireless, touch, monochrome (cat. no.: M-012870).
- ▶ Room controller, wireless, touch, color (cat. no.: M-013942).



pic. 50
Genesis Plus KPP 10 kW pellet boiler
with PELLASX hybrid burner



pic. 51
Hybrid burner (Genesis Plus 10-34 kW)
with automatic cleaning function



pic. 52
Rotary burner (Genesis Plus 62 kW)
with automatic cleaning function



pic. 53
PELLASX S.Control MK2
controller



pic. 54
Touch color room controller
in a wired or wireless version



pic. 55
Touch monochrome room controller
in wireless version

* Details in the warranty card.

** The MTP Gold Medal has been awarded to the Genesis Plus KPP 10, 15, and 20 kW pellet boilers.

ACCESSORIES AND SPARE PARTS

no.	cat. no.	item
1	M-011044	Flame sensor
2	M-010422	Weather sensor
3	M-011045	CT4 temperature sensor for the S.Control controller
4	M-014396	CT10 temperature sensor for the S.Control MK2 controller
5	M-010968	Burner temperature sensor
6	08-001000	Return temperature sensor
7	M-010521	Exhaust temperature sensor
8	M-010564	Floor insulation for Genesis Plus 10 kW (25 x 295 x 375 mm)
9	M-010569	Floor insulation for Genesis Plus 15 kW (25 x 367 x 375 mm)
10	M-010574	Floor insulation for Genesis Plus 20 kW (25 x 439 x 375 mm)
11	M-009693	Internet module
12	M-009955	Expansion module B
13	M-010124	Expansion module C
14	40-700180	Extension for 180 dm ³ fuel tank
15	M-010561	Dry water tube for Genesis Plus 10 kW
16	M-010566	Dry water tube for Genesis Plus 15 kW
17	M-010571	Dry water tube for Genesis Plus 20 kW
18	M-011070	Dry water tube for Genesis Plus 25 kW
19	M-010001	Dry water tube for Genesis Plus 34 kW
20	M-011665	Dry water tube for Genesis Plus 62 kW
21	M-010388	Room controller, wired, touch, color
22	M-012870	Room controller, wireless, touch, monochrome
23	M-013942	Room controller, wireless, touch, color
24	40-250221	Ashpan for Genesis 12, 16 kW
25	40-250222	Ashpan for Genesis 24 kW
26	40-250223	Ashpan for Genesis Plus 10 kW
27	40-250224	Ashpan for Genesis Plus 15 kW
28	40-250225	Ashpan for Genesis Plus 20 kW
29	40-250226	Ashpan for Genesis Plus 25 kW
30	40-250227	Ashpan for Genesis Plus 34 kW
31	40-250231	Ashpan for Genesis Plus 62 kW
32	M-010244	Polyurethane pipe Ø 60 - 1 meter
33	40-250229	Dry water tube (set) for Genesis Plus 10 kW
34	40-250228	Dry water tube (set) for Genesis Plus 15 kW
35	40-250230	Dry water tube (set) for Genesis Plus 20 kW
36	M-006381	Cooling coil with JBV-1 valve and accessories (built-in) for 30-70 kW CH boilers
37	M-010857	STB thermal protection
38	M-010335	Ceramic igniter I
39	M-010924	Ceramic igniter II (threaded)
40	M-012338	Steel igniter
41	40-700181	Fuel tank 180 dm ³
42	40-700182	Fuel tank 350 dm ³
43	40-250233	Smoke tube swirlers for Genesis Plus 62 kW
44	40-250232	Body swirlers for Genesis Plus 62 kW
45	M-007037	Glass sealant 15 mm - 1 linear meter
46	M-006366	Thermomanometer
47	M-000038	Capillary thermometer
48	M-006275	Cooling coil with JBV-1 valve and accessories (built-in) for 12-30 kW CH boilers
49	M-001368	DBV-1 thermostatic extraction-cooling valve



PELLASX S.Control MK2 controller

- Comfortable controller with a touch display.
- Intuitive graphic menu and easy configuration.
- Automatically air and fuel adjustment.
- Can work in accordance with the heating curve - external sensor included.
- Control of 2 heating circuits.
- Buffer and up to 4 circulation pumps support.
- Cooperation with a dedicated / two-state room controller.



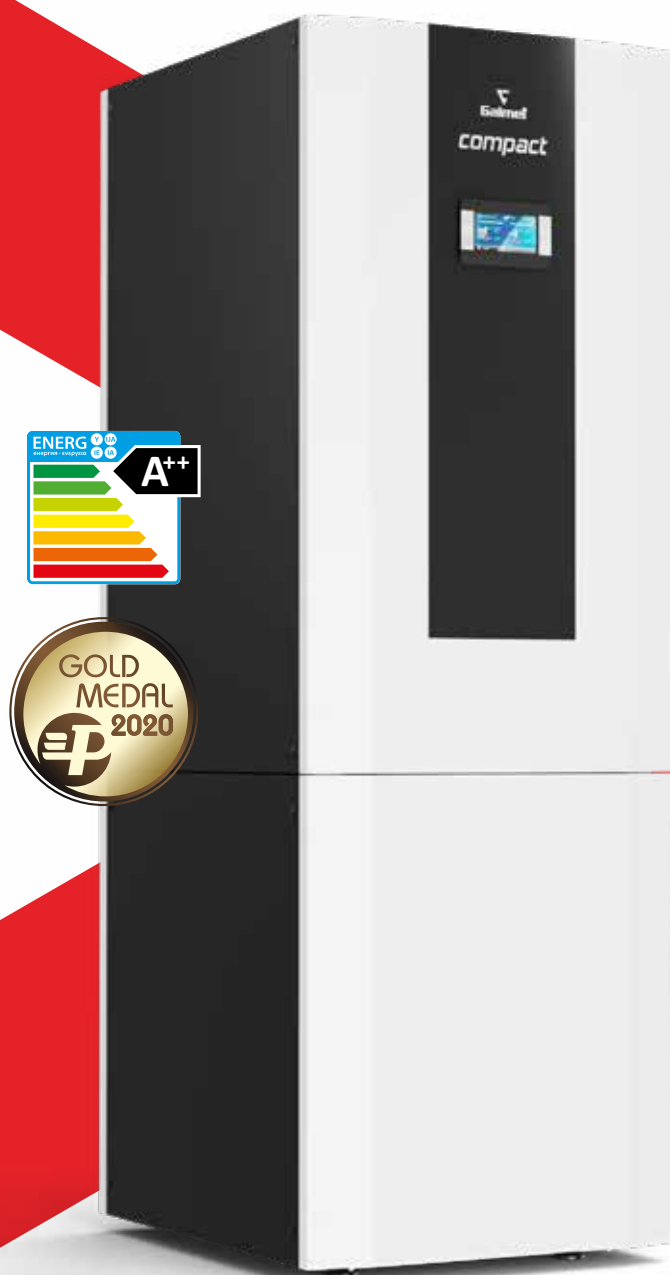
Expansion modules - additional functions for the controller

Expansion module B

- Support for two additional heating circuits.
- Support for a buffer tank - top and bottom temperature.
- Support for the additional fuel feeder.
- Ability to connect two more room controllers.
- Configurable output for operating a reserve CH boiler or alarms.

Expansion module C

- Support for two additional heating circuits with mixing valves.
- Ability to control the DHW circulating pump.
- Ability to connect two more room controllers.
- Configurable output for operating a reserve CH boiler or alarms.



MAXIMUM COMFORT

» MAXIMA COMPACT 7, 10, 12 kW
GROUND-WATER HEAT PUMP WITH WATER TANK

Maxima Compact is a combination of a ground-water heat pump with stainless steel tank. It guarantees maximum comfort with high performance throughout the year and provides optimal use of renewable energy for both CH and DHW heating (as well as pool water heating). All of this with no negative impact on the environment. The entire system can be managed by an intuitive touch controller, a room controller, or online by phone, tablet, or PC.



HYBRID HEATING SYSTEMS

– Advantages of the hybrid heating systems	88
– Exemplary schemes of Galmet's hybrid heating systems	89
– Complete list of Galmet's hybrid heating systems	95

GALMET'S COMPLETE HYBRID SYSTEMS

Advantages of choosing a hybrid heating system:

- ▶ Single controller for the whole system.
- ▶ Single manufacturer, installer and service.
- ▶ Discount price compared to buying the devices alone.
- ▶ Our advisors' help in selecting the right devices for your needs.
- ▶ Assistance in finding a local contractor.
- ▶ Hybrid systems that use renewable energy sources are eligible for subsidy.
- ▶ Better quality of the natural environment you live in.



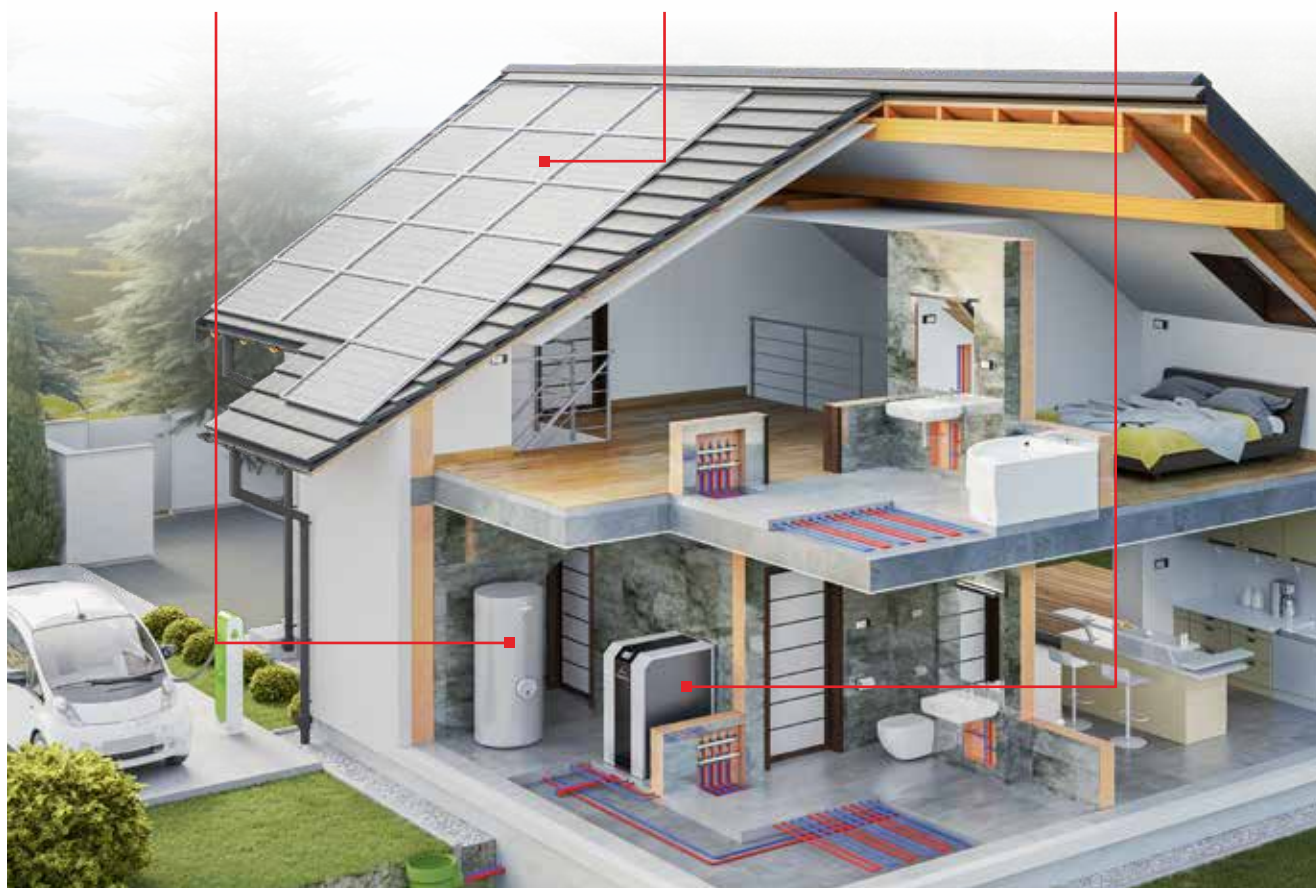
▶ By purchasing all of the devices for your house's heating system from a **single manufacturer**, you can be sure that your investment will be optimally configured and tailored directly for your individual needs.

Exemplary hybrid heating system by Galmef:


water heater


photovoltaic set


heat pump



EXEMPLARY SCHEMES OF **GALMET'S** HYBRID HEATING SYSTEM

Hybrid system

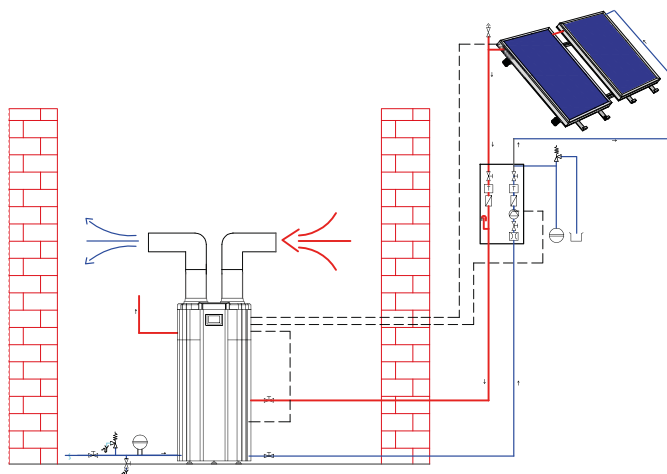
α - alfa

Design assumptions:

- ▶ For domestic hot water heating
- ▶ Number of people: 2-4

The system includes:

- ▶ 2 flat solar collectors
- ▶ KSG 21 Premium GT with equipment
- ▶ Spectra 200 heat pump



Hybrid system

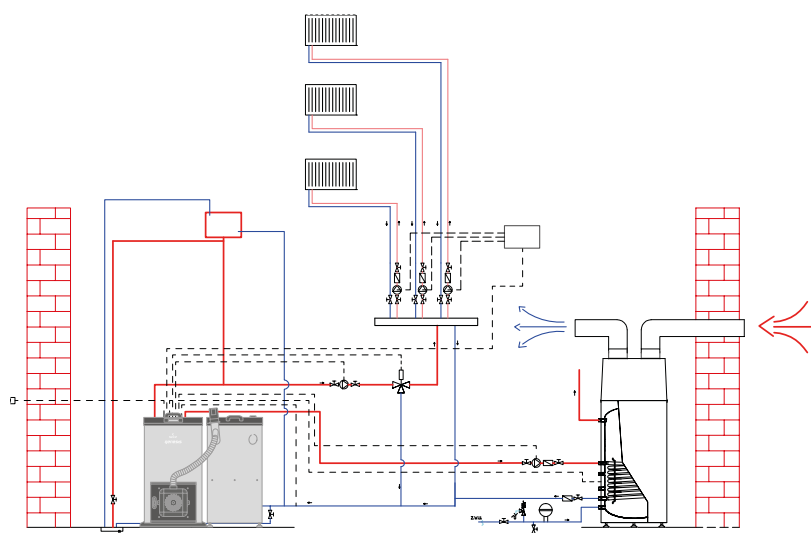
β - beta

Design assumptions:

- ▶ Heating surface area up to 150 m²
- ▶ Number of people: 3-4

The system includes:

- ▶ Basic 200 heat pump
- ▶ Genesis Plus KPP 15 kW pellet boiler



The proposed installation project is only an exemplary solution and is designed to comply with existing standards and norms. Please note that each investment should be consulted beforehand with a designer and adapted to existing conditions and requirements of a specific installation.

Devices included in the hybrid systems are not eligible to standard discounts and may not be separated for further resale.

EXEMPLARY SCHEMES OF **GALMET'S** HYBRID HEATING SYSTEM

Hybrid system

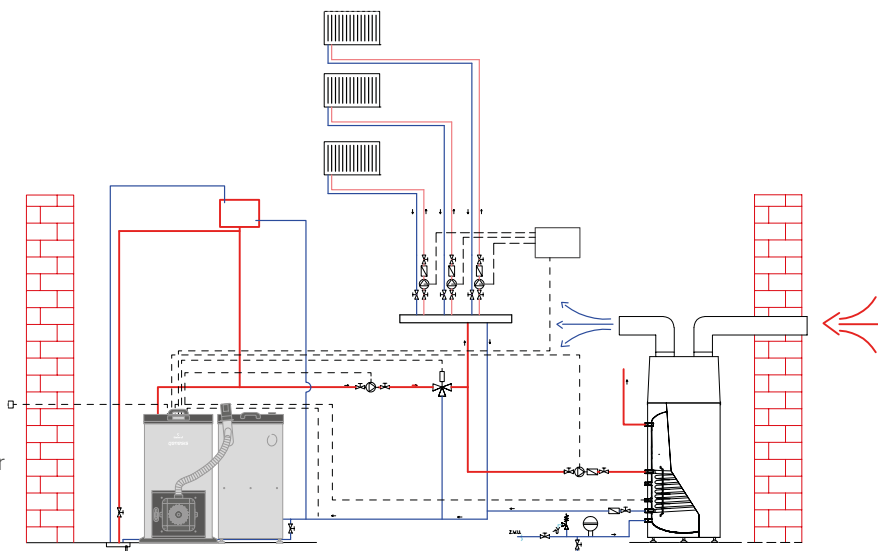
γ - gamma

Design assumptions:

- ▶ Heating surface area up to 200 m²
- ▶ Number of people: 3-4

The system includes:

- ▶ Basic 200 heat pump
- ▶ Genesis Plus KPP 20 kW pellet boiler



Hybrid system

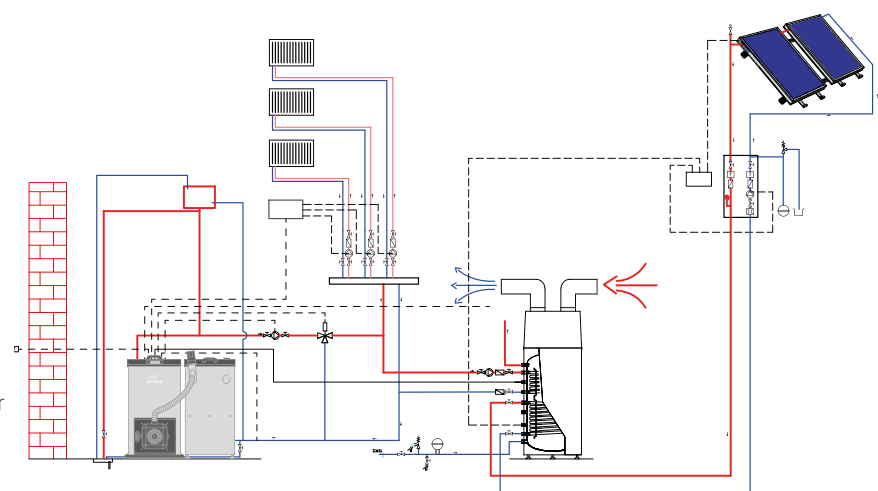
Δ - delta

Design assumptions:

- ▶ Heating surface area up to 250 m²
- ▶ Number of people: 3-4

The system includes:

- ▶ Basic 270 heat pump
- ▶ Genesis Plus KPP 25 kW pellet boiler
- ▶ 2 flat solar collectors KSG 27GT with equipment



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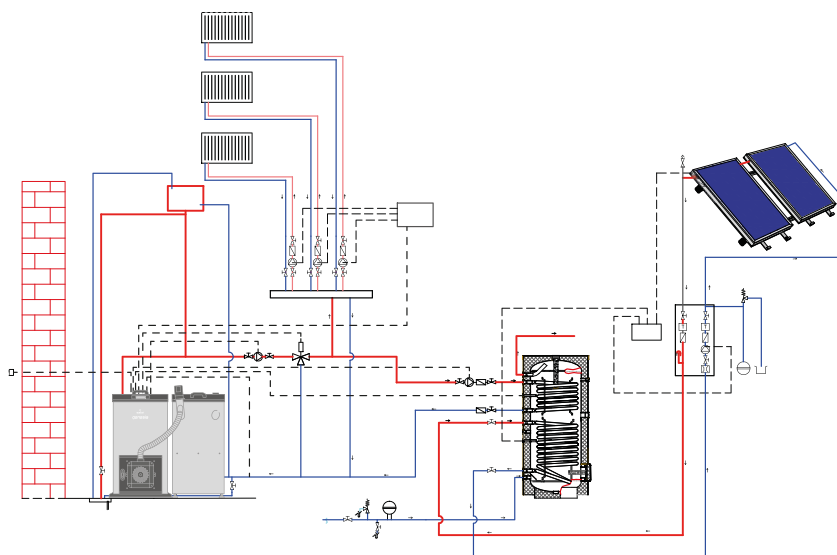
Hybrid system **ε - epsilon**

Design assumptions:

- ▶ Heating surface area up to 150 m²
- ▶ Number of people: 4-6

The system includes:

- ▶ Genesis Plus KPP 15 kW pellet boiler
- ▶ 3 flat solar collectors KSG 21GT with equipment
- ▶ SGW(S)B Tower Biwal 300 water heater



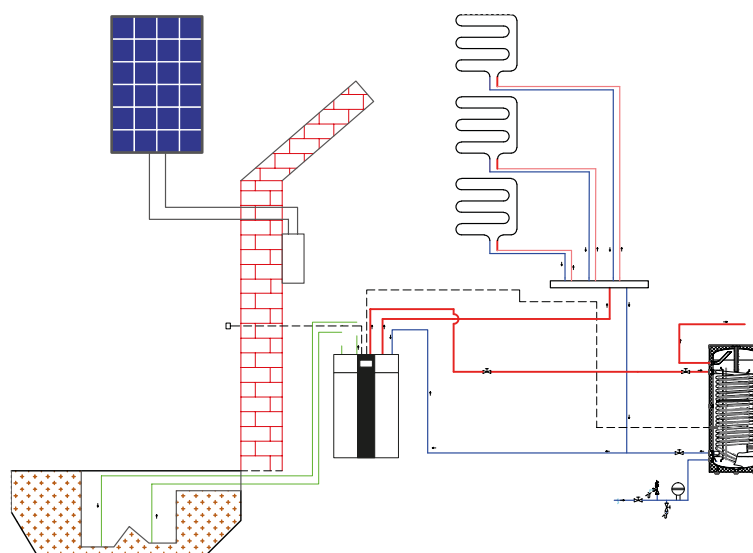
Hybrid system **Energy Max GT**

Design assumptions:

- ▶ Heating surface area up to 150 m²
- ▶ Number of people: 4-6

The system includes:

- ▶ Maxima 10GT heat pump
- ▶ 2,5 kW ON-GRID photovoltaic set with a 3-phase inverter
- ▶ SGW(S) Maxi 300 water heater



The proposed installation project is only an exemplary solution and is designed to comply with existing standards and norms. Please note that each investment should be consulted beforehand with a designer and adapted to existing conditions and requirements of a specific installation.

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EXEMPLARY SCHEMES OF **GALMET'S** HYBRID HEATING SYSTEM

Hybrid system

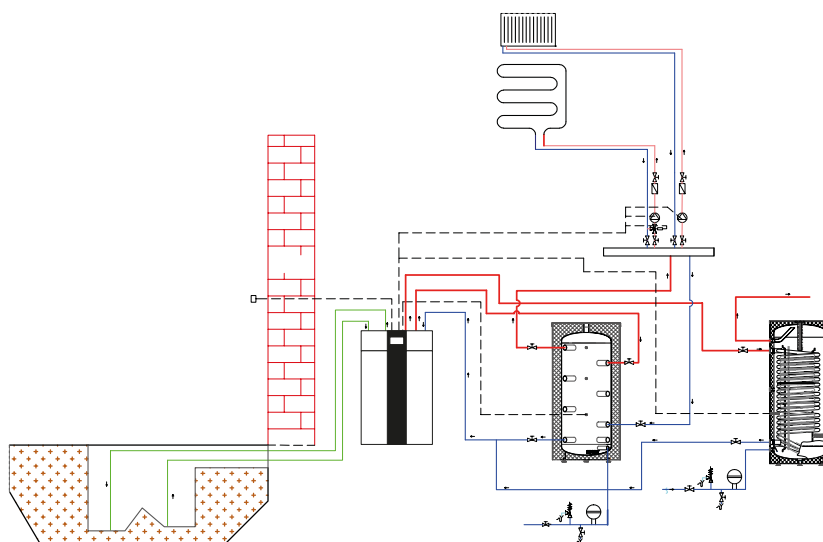
η - eta

Design assumptions:

- ▶ Heating surface area up to 180 m²
- ▶ Number of people: 3-5

The system includes:

- ▶ Maxima 12GT heat pump
- ▶ SGW(S) Maxi 300 water heater
- ▶ SG(B) 400 buffer tank



Hybrid system

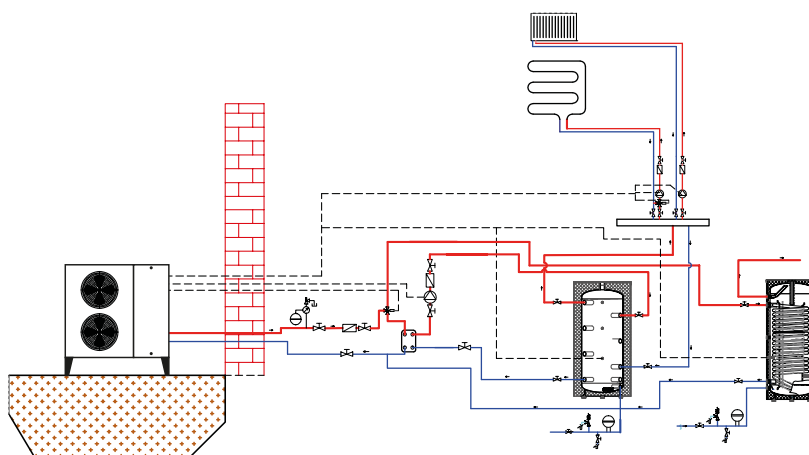
l - jota

Design assumptions:

- ▶ Heating surface area up to 180 m²
- ▶ Number of people: 3-5

The system includes:

- ▶ Airmax² 12GT heat pump
- ▶ SGW(S) Maxi 300 water heater
- ▶ SG(B) 300 buffer tank



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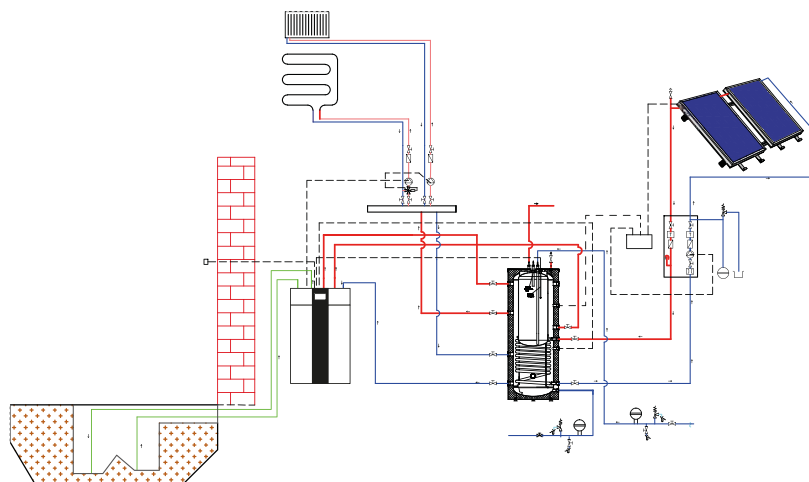
Hybrid system o - omicron

Design assumptions:

- ▶ Heating surface area up to 150 m²
- ▶ Number of people: 3-5

The system includes:

- ▶ Maxima 7GT water heater
- ▶ 3 flat solar collectors KSG 27 Premium GT with equipment
- ▶ SG(K) 380/120 I combined heat accumulation vessel with one spiral coil



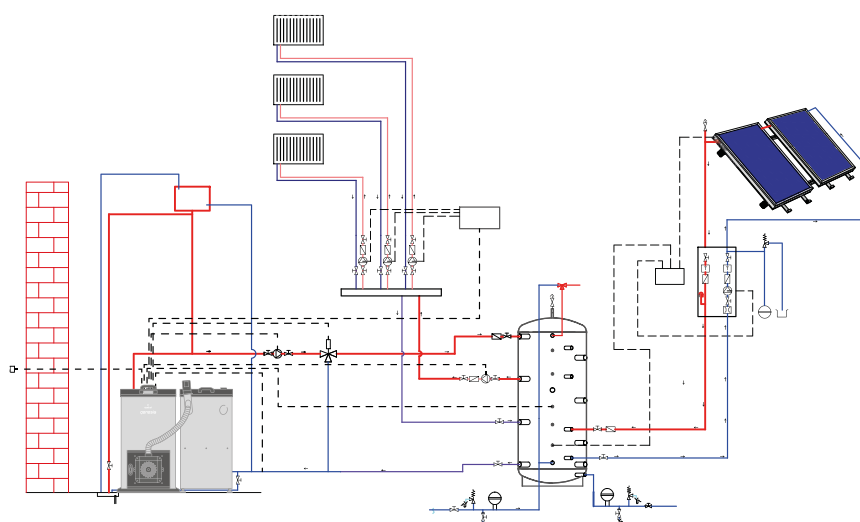
Hybrid system Y - ypsilon

Design assumptions:

- ▶ Heating surface area up to 250 m²
- ▶ Number of people: 4-6

The system includes:

- ▶ 7 flat solar collectors KSG 21 Premium GT with equipment
- ▶ Genesis Plus KPP 25 kW pellet boiler
- ▶ SG(K) Multi-Inox 1000 hygienic stratification buffer tank



The proposed installation project is only an exemplary solution and is designed to comply with existing standards and norms. Please note that each investment should be consulted beforehand with a designer and adapted to existing conditions and requirements of a specific installation.

Devices included in the hybrid systems are not eligible to standard discounts and may not be separated for further resale.

EXEMPLARY SCHEMES OF **GALMET'S** HYBRID HEATING SYSTEM

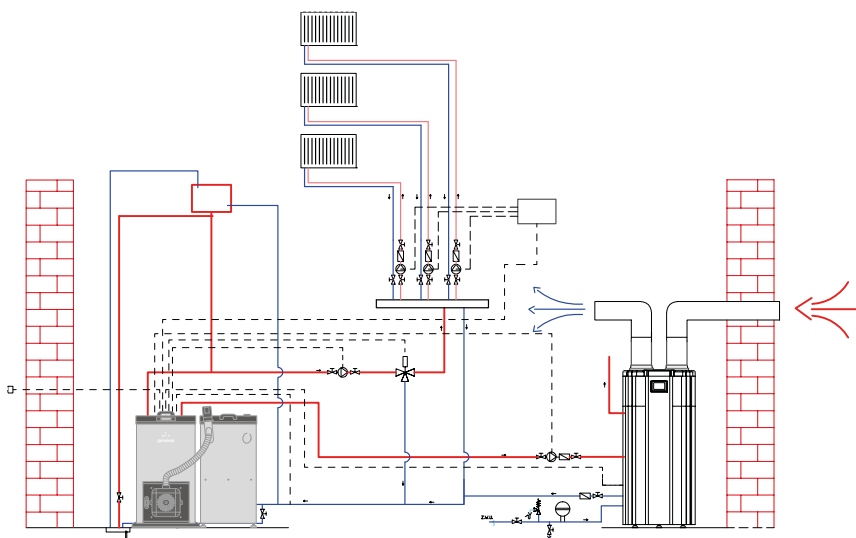
Hybrid system **Mini**

Design assumptions:

- ▶ Heating surface area up to 150 m²
- ▶ Number of people: 3-4

The system includes:

- ▶ Spectra 200 heat pump
- ▶ Genesis Plus KPP 15 kW pellet boiler



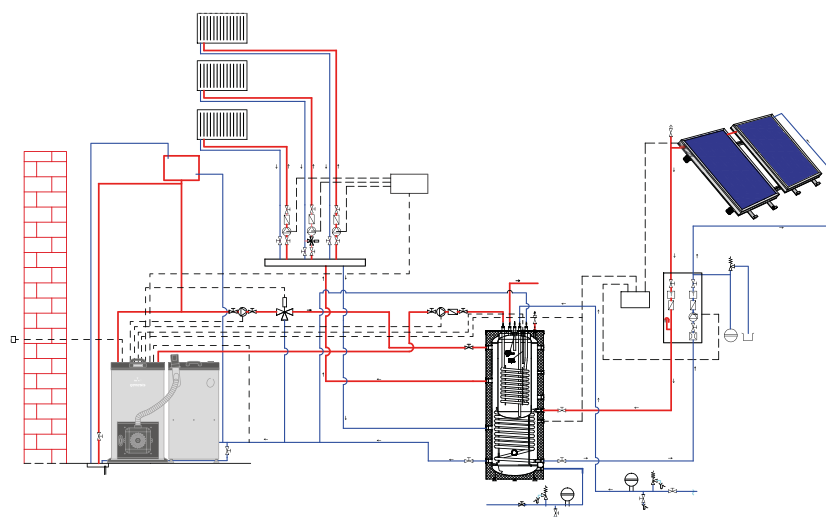
Hybrid system **Midi**

Design assumptions:

- ▶ Heating surface area up to 200 m²
- ▶ Number of people: 2-3

The system includes:

- ▶ 2 flat solar collectors KSG 27 Premium GT with equipment
- ▶ SG(K) 380/120 combined heat accumulation vessel with two spiral coils
- ▶ Genesis Plus KPP 20 kW pellet boiler



The proposed installation project is only an exemplary solution and is designed to comply with existing standards and norms. Please note that each investment should be consulted beforehand with a designer and adapted to existing conditions and requirements of a specific installation.

Devices included in the hybrid systems are not eligible to standard discounts and may not be separated for further resale.

LIST OF GALMET'S HYBRID HEATING SYSTEMS

system's name	cat. number	system includes
Energy Flow GT	SG-000013	- Spectra 200 heat pump (cat. no. 09-363100) - 2,0 kW ON-GRID photovoltaic set with a 1-phase inverter (cat. no. 10-901100)
Energy Max GT	SG-000014	- Maxima 10GT heat pump (cat. no. 09-161000) - 2,5 kW ON-GRID photovoltaic set with a 3-phase inverter (cat. no. 10-901101) - SGW(S) Maxi 300 water heater (cat. no. 26-308100N)
Energy Air GT	SG-000016	- Airmax ² 12GT heat pump (cat. no. 09-261200) - 2,5 kW ON-GRID photovoltaic set with a 3-phase inverter (cat. no. 10-901101) - SGW(S) Maxi 300 water heater (cat. no. 26-308100N)
α - alfa	SG-000017	- Spectra 200 heat pump (cat. no. 09-363100) - 2 flat solar collectors KSG 21 Premium GT (cat. no. 08-102102) with equipment
β - beta	SG-000018	- Basic 200 heat pump (cat. no. 09-353103) - Genesis Plus KPP 15 kW pellet boiler (cat. no. 07-155502)
γ - gamma	SG-000019	- Basic 200 heat pump (cat. no. 09-353103) - Genesis Plus KPP 20 kW pellet boiler (cat. no. 07-205502)
Δ - delta	SG-000020	- Basic 270 heat pump with two spiral coils (cat. no. 09-355203) - Genesis Plus KPP 25 kW pellet boiler (cat. no. 07-255502) - 2 flat solar collectors KSG 27GT (cat. no. 08-102712) with equipment
ε - epsilon	SG-000021	- 3 flat solar collectors KSG 21GT (cat. no. 08-102112) with equipment - SGW(S)B Tower Biwal 300 water heater (cat. no. 26-309000N) - Genesis Plus KPP 15 kW pellet boiler (cat. no. 07-155502)
ζ - zeta	SG-000022	- Maxima 10GT heat pump (cat. no. 09-161000) - SGW(S) Maxi 250 water heater (cat. no. 26-258100)
η - eta	SG-000023	- Maxima 12GT heat pump (cat. no. 09-161200) - SGW(S) Maxi 300 water heater (cat. no. 26-308100N) - SG(B) 400 buffer tank (cat. no. 70-400000)
θ - theta	SG-000024	- Maxima 10GT heat pump (cat. no. 09-161000) - SGW(S) Maxi 250 water heater (cat. no. 26-258100) - SG(B) 300 buffer tank (cat. no. 70-300000) - 3,0 kW ON-GRID photovoltaic set with a 3-phase inverter (cat. no. 10-901801)
ι - jota	SG-000025	- Airmax ² 12GT heat pump (cat. no. 09-261200) - SGW(S) Maxi 300 water heater (cat. no. 26-308100N) - SG(B) 300 buffer tank (cat. no. 70-300000)
κ - kappa	SG-000026	- Airmax ² 9GT heat pump (cat. no. 09-260900) - Plate heat exchanger (glycol-water) for the Airmax ² 9GT heat pump (cat. no. 09-000100) - SGW(S) Maxi 250 water heater (cat. no. 26-258100) - SG(B) 200 buffer tank (cat. no. 70-200000)
λ - lambda	SG-000027	- Airmax ² 15GT heat pump (cat. no. 09-261500) - SGW(S) Maxi 400 water heater (cat. no. 26-408100N) - SG(B) 500 buffer tank (cat. no. 70-500600) - 3,0 kW ON-GRID photovoltaic set with a 3-phase inverter (cat. no. 10-901801)
ξ - ksi	SG-000028	- Airmax ² 15GT heat pump (cat. no. 09-261500) - Plate heat exchanger (glycol-water) for the Airmax ² 15GT heat pump (cat. no. 09-000101) - 6 flat solar collectors KSG 21 Premium GT (cat. no. 08-102102) with equipment - SG(K) 600/200 combined heat accumulation vessel with one spiral coil (cat. no. 71-608000)
ο - omicron	SG-000029	- Maxima 7GT heat pump (cat. no. 09-160700) - 3 flat solar collectors KSG 27 Premium GT (cat. no. 08-102702) with equipment - SG(K) 380/120 combined heat accumulation vessel with one spiral coil (cat. no. 71-404000)
Σ - sigma	SG-000030	- Maxima 7GT heat pump (cat. no. 09-160700) - 3 flat solar collectors KSG 27 Premium GT (cat. no. 08-102702) with equipment - SGW(S)B Maxi Plus 300 water heater (cat. no. 26-309100N)
Υ - ypsilon	SG-000031	- 7 flat solar collectors KSG 21 Premium GT (cat. no. 08-102102) with equipment - Genesis Plus KPP 25 kW pellet boiler (cat. no. 07-255502) - SG(K) Multi-Inox 1000 hygienic stratification buffer tank (cat. no. 71-101600)
Ω - omega	SG-000032	- Airmax ² 15GT heat pump (cat. no. 09-261500) - 7 flat solar collectors KSG 21 Premium GT (cat. no. 08-102102) with equipment - Genesis Plus KPP 25 kW pellet boiler (cat. no. 07-255502) - SG(K) Multi-Inox 1000 hygienic stratification buffer tank (cat. no. 71-101600)
Mini	SG-000010	- Spectra 200 heat pump (cat. no. 09-363100) - Genesis Plus KPP 15 kW pellet boiler (cat. no. 07-155502)
Midi	SG-000011	- 2 flat solar collectors KSG 27 Premium GT (cat. no. 08-102702) with equipment - SG(K) 380/120 combined heat accumulation vessel with two spiral coils (cat. no. 72-404000) - Genesis Plus KPP 20 kW pellet boiler (cat. no. 07-205502)
Maxi	SG-000012	- Airmax ² 15GT heat pump (cat. no. 09-261500) - Genesis Plus KPP 15 kW pellet boiler (cat. no. 07-155502) - SGW(S)B Maxi Plus 500 water heater (cat. no. 26-509100N) - 3,0 kW ON-GRID photovoltaic set with a 3-phase inverter (cat. no. 10-901801) - SG(B) 400 buffer tank with one spiral coil (cat. no. 71-400000)

Haven't found a system for yourself? Contact us and benefit from an optimally selected Hybrid Heating System specifically for your home!

The proposed installation project is only an exemplary solution and is designed to comply with existing standards and norms. Please note that each investment should be consulted beforehand with a designer and adapted to existing conditions and requirements of a specific installation.

Devices included in the hybrid systems are not eligible to standard discounts and may not be separated for further resale.



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Additional information

