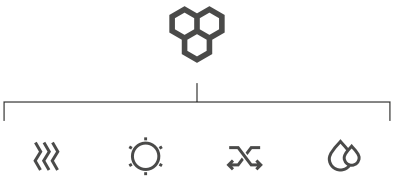
Galmet

PRODUCT CATALOGUE

· HEAT PUMPS · SOLAR SYSTEMS
· HEAT RECOVERY VENTILATION
· WATER HEATERS · CH BOILERS
· HYBRID HEATING SYSTEMS

07/2024



www.galmet.eu

Leader in heating systems production in Poland

Galmet is one of the largest manufacturers of heating systems in Poland and exports its products to over 25 countries worldwide. The company is dynamically developing and consistently building its position since 1982 - from a small one-person workshop founded by the current CEO Stanislaw Galara, to one of the largest companies in the industry, employing almost 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 | **heat pumps** **solar systems** **heat recovery ventilation** **water heaters**

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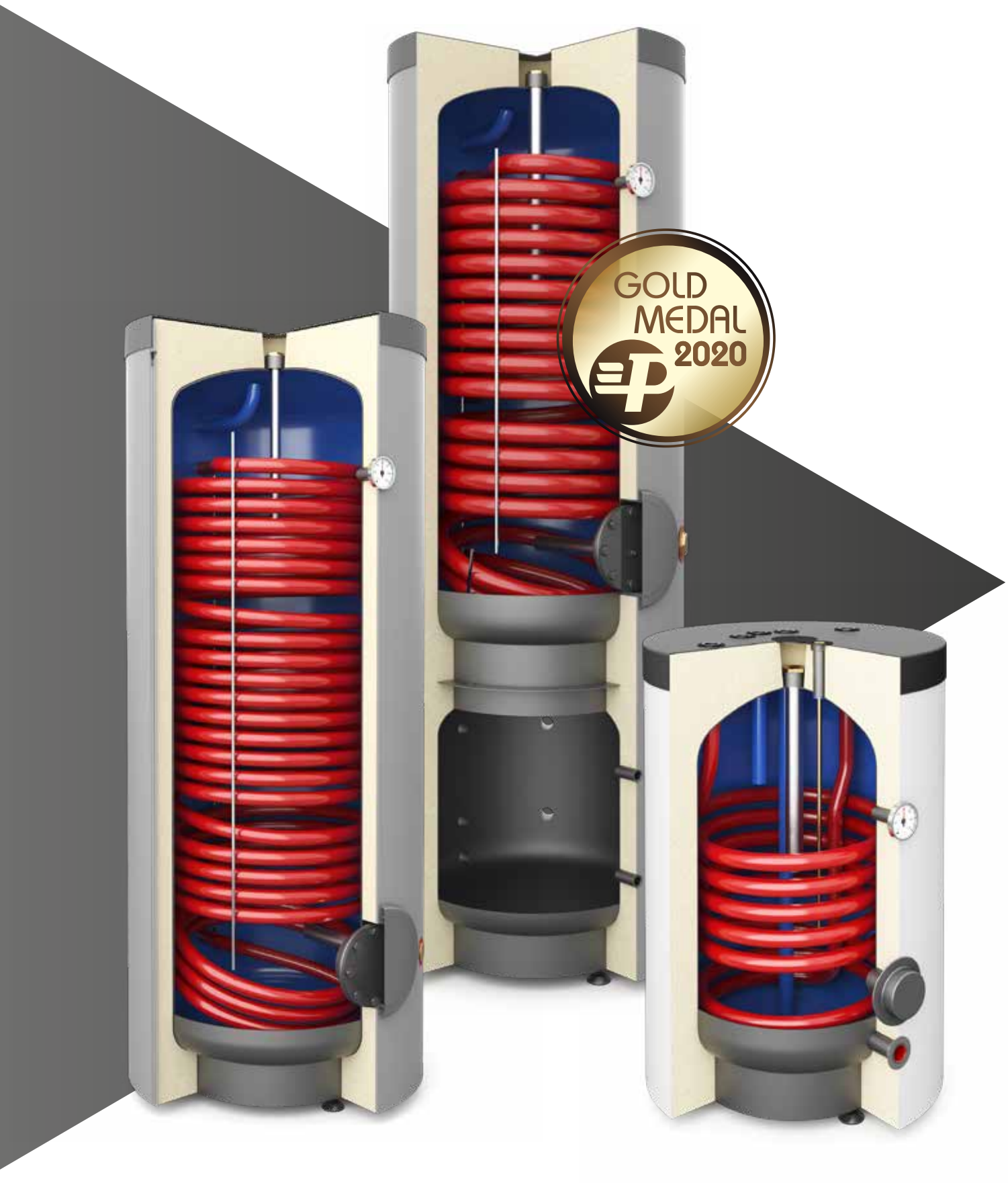


Made in Poland

WATER HEATERS

INDIRECT WATER HEATERS WITH A SPIRAL COIL
TYPE SGW(S) MINI TOWER, VULCAN KOMBI

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

specification	unit	SGW(S) Mini Tower		
		100	120	140
storage capacity [1]	l	102	114	129
ErP 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 I (Ø)	" / mm	3/8 / 400	3/8 / 400	3/8 / 400
h4 - circulation (int. thread)	" / mm	3/4 / 500	3/4 / 450	3/4 / 450
h5 - CH hot water inflow (int. thread)	" / mm	3/4 / 710	3/4 / 750	3/4 / 750
h6 - sensor cover II (Ø) [3]	" / mm	-	3/8 / 830	3/8 / 875
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

scheme - SGW(S) Mini Tower 100-140

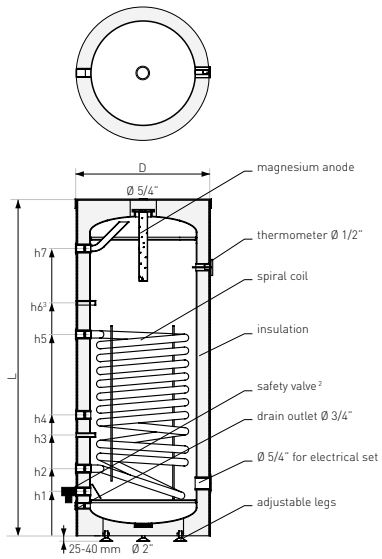


fig. 1

Technical specification - SGW(S) Vulcan Kombi (floor-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

scheme
SGW(S) Vulcan Kombi 100-200 (floor-standing)

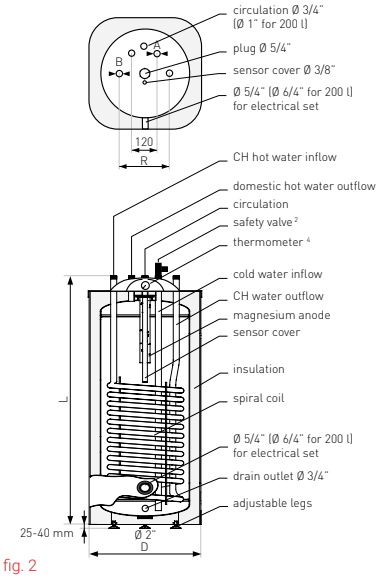


fig. 2

[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 with a M8 screw in the lower part of the tank.

Galmet Nº1 water heaters in Poland

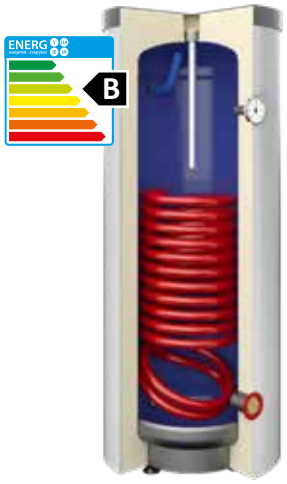
Galmet 60 months warranty*

SGW(S) Mini Tower (floor-standing)

cat. no.	type	description	EAN code
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: pellet (f.ex. Genesis Plus KPP), 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.



pic. 1
SGW(S) Mini Tower

SGW(S) Vulcan Kombi (floor-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

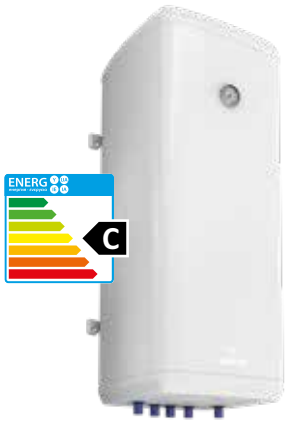
Advantages of the SGW(S) Vulcan Kombi

- Wall-mounted or floor-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: pellet (f.ex. Genesis Plus KPP), 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.

pic. 2
SGW(S) Vulcan Kombi
(floor-standing) 100-140

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 lid), manufactured before 10.2017 and after 02.2024	5901224820687
40-130609	electric heater 2 kW 230 V for enamelled water heater on the Ø 125 mm flange / 5 screws (steel lid) manufactured between 10.2017 and 02.2024	5901224828034
40-140432	heater control module SGW(S) Vulcan Kombi Elektronik 230 V	5901224819339
41-020002	electrical set Selfa with heater 2 kW 230 V - K5/4"	5901224832710



pic. 3
SGW(S) Vulcan Kombi
(wall-mounted) 100-140

We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 56.

* 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

scheme - SGW(S) Rondo Premium

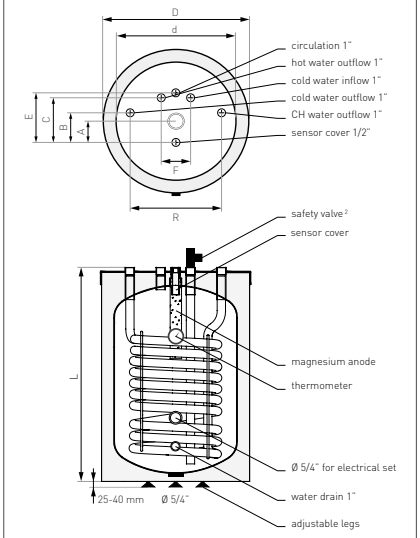


fig. 3

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	
permanent cost of domestic hot water Δt=30K	l/h (kW)	660 (24)	774 (28)
approximate heating time of the tank 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	370	
dimension A	mm	100	
dimension B	mm	150	
dimension C	mm	165	
net weight	kg	54	

scheme - SG(S) Fusion 100

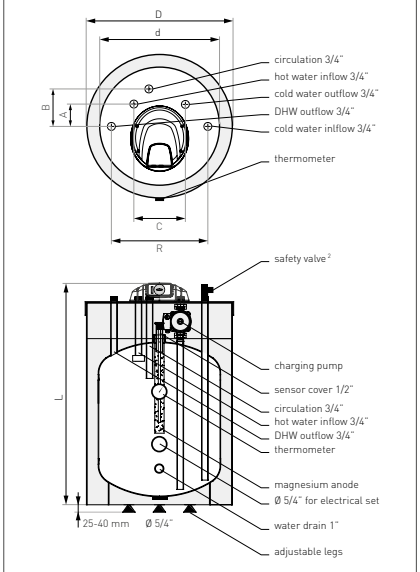


fig. 4

* 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.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

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: pellet (f.ex. Genesis Plus KPP), oil, gas, coal, etc.
- Ability to install an electrical set - option.
- Thermometer in standard.
- Up to 50% longer life thanks to the RESIST-TECH® technology.
- Highest quality EXTRA GLASS® ceramic enamel.
- Additional protection with magnesium anode.

pic. 4
SGW(S) Rondo Premium

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

SG(S) Fusion

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

Advantages of the SG(S) Fusion

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

pic. 5
SG(S) Fusion

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

* Details in the warranty card.

INDIRECT WATER HEATERS WITH A SPIRAL COIL
TYPE SGW(S) TOWER, SGW(S)B TOWER BIWAL (ERP A)

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

specification	unit	SGW(S) Tower (ErP A)		
		200	250	300
storage capacity [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	m²	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 anode: top cover (5/4" plug)	mm	38x400	38x400	38x400
magnesium 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

scheme - SGW(S) Tower 200 (ErP A)

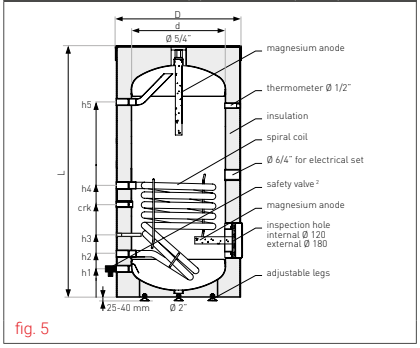


fig. 5

scheme - SGW(S) Tower 250-300 (ErP A)

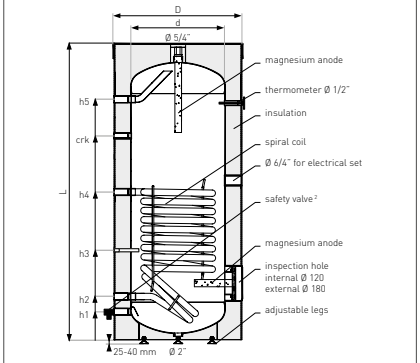


fig. 6

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	m²	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	m²	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 anode: top cover (5/4" plug)	mm	38x400	38x400	38x400
magnesium 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

scheme - SGW(S)B Tower Biwal 200 (ErP A)

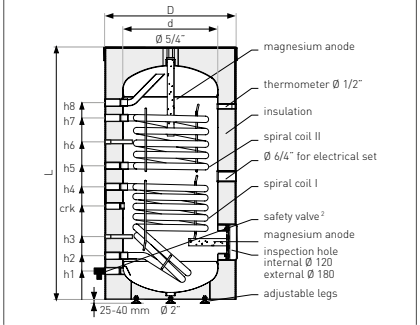


fig. 7

scheme - SGW(S)B Tower Biwal 250-300 (ErP A)

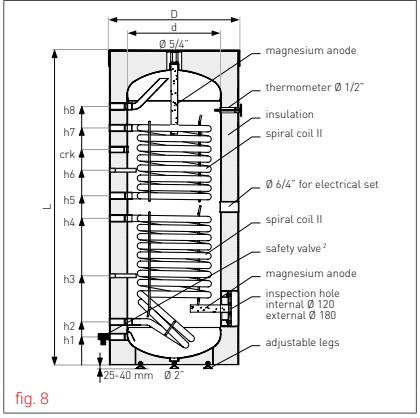


fig. 8

[1] According to the (EU) 812/2013, 814/2013.
[2] Included with the device for self-assembly.

Made in Poland

Galmet Nº1 water heaters in Poland

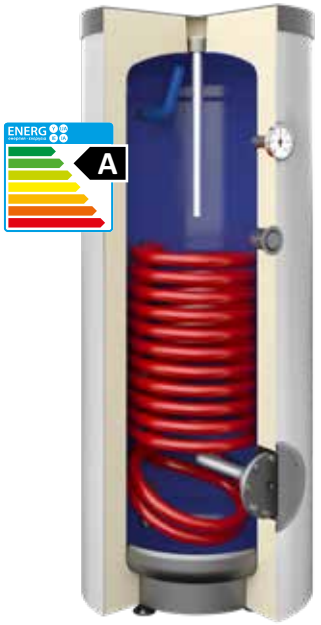
Galmet 60 months warranty*

SGW(S) Tower **(ErP A)**

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

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

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



pic. 6
SGW(S) Tower(ErP A)

pic. 7
SGW(S) Tower Biwal(ErP A)

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

- Faster heating of water thanks to the large surface area of the spiral coil.
- Bivalent water heater that can heat domestic hot water both through the CH boiler and a solar collector (SGW(S)B Tower Biwal).
- Works with all types of boilers: pellet (f.ex. Genesis Plus KPP), 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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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	300	400	500
storage capacity [1]		l	197	309	405	513
ErP	polyurethane foam	-	B	B	C	B
tank's maximum working temperature		°C	95	95	95	95
coil's maximum working temperature		°C	110	110	110	110
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
coil's surface		m^2	1,4	1,4	1,8	2,0
coil's capacity		l	9,8	9,8	12,6	14,0
coil's power (70/10/45°C)		kW	33,6	33,6	43	48
coil's efficiency (70/10/45°C)		l/h	800	800	1030	1150
coil's power (80/10/45°C)		kW	44,8	44,8	57,6	64
coil's efficiency (80/10/45°C)		l/h	1070	1070	1380	1530
magnesium anode	top cover (5/4" plug)	mm	38x400	38x400	38x600	38x600
	insp. hole (M8 screw)	mm	38x200	38x200	38x200	38x200
h1 - cold water inflow (int. thread)		" / mm	1 / 210	1 / 130	1 / 240	1 / 180
h2 - CH water outflow (int. thread)		" / mm	1 / 290	1 / 280	1 / 320	1 / 320
h3 - sensor cover (Ø)		" / mm	3/8 / 435	3/8 / 435	3/8 / 570	3/8 / 530
crk - circulation (int. thread)		" / mm	3/4 / 680	3/4 / 650	3/4 / 770	3/4 / 1320
h4 - CH hot water inflow (int. thread)		" / mm	1 / 790	1 / 750	1 / 870	1 / 970
h5 - DHW outflow (int. thread)		" / mm	1 / 860	1 / 1355	1 / 1470	1 / 1650
d - internal diameter		mm	550	550	600	630
D - external diameter		mm	670	670	700	755
L - height		mm	1100	1615	1750	1950
net weight		kg	80	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	-	-
	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 anode	top cover (2" plug)	mm	38x600	38x600	38x600
	insp. hole (M8 screw)	mm	38x400	38x400	38x400
h1 - cold water inflow (int. thread)		" / mm	6/4 / 215	6/4 / 250	6/4 / 250
h2 - CH water outflow (int. thread)		" / mm	1 / 375	1 / 450	1 / 450
h3 - sensor cover (Ø)		" / mm	3/8 / 575	3/8 / 590	3/8 / 600
crk - circulation (int. thread)		" / mm	5/4 / 925	5/4 / 875	5/4 / 1630
h4 - CH hot water inflow (int. thread)		" / mm	1 / 1045	1 / 1000	1 / 1000
h5 - DHW outflow (int. thread)		" / mm	6/4 / 1715	6/4 / 1570	6/4 / 2250
d - internal diameter		mm	700	900	900
D - external diameter		mm	855/860[3]	1060[3]	1100[3]
L - height		mm	2050/2080[3]	1990[3]	2680[3]
net weight		kg	242	347	447

scheme - SGW(S) Tower 200, 400

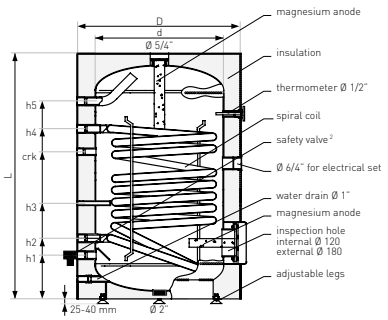


fig. 9

scheme - SGW(S) Tower 300, 700, 1000

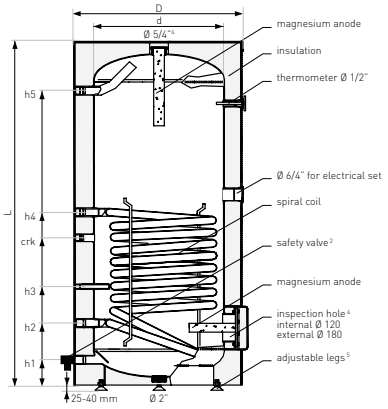


fig. 10

scheme - SGW(S) Big Tower 500, 1500

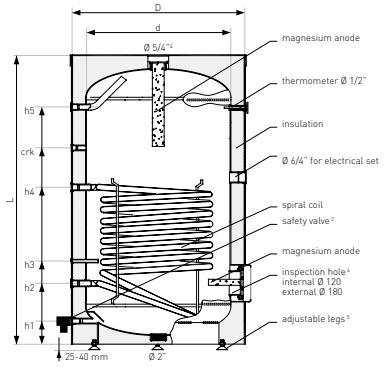


fig. 11

scheme - top view

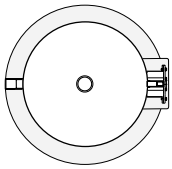


fig. 12

[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 / ext. Ø 280 mm).
[5] Applies to SGW(S) Tower 200-500.

Galmet

Nº1 water heaters in Poland

Galmet 60 months warranty*

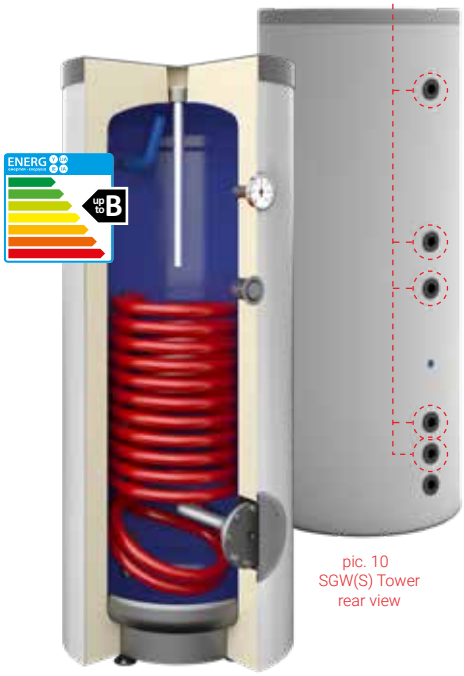
SGW(S) Tower

cat. no.	type	description	EAN code
26-208000	200	spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224500190
26-308000N	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

pic. 8
DIELECTRIC PROTECTION®



pic. 9
SGW(S) Tower
front view

pic. 10
SGW(S) Tower
rear view

pic. 11
SGW(S) Big Tower
in Neodul® insulation

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: pellet (f.ex. Genesis Plus KPP), 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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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	-	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		m²	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		m³/h	2,7	3,0	3,0
magnesium anode	top cover (5/4" plug)	mm	38x400	38x400	38x400
	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

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

specification		unit	SGW(S) Tower Slim	
			800	1000
storage capacity [1]		l	790	925
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		m²	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		m³/h	3,0	3,0
magnesium anode	top cover (2" plug)	mm	38x600	38x600
	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

scheme - SGW(S) Tower Slim 200

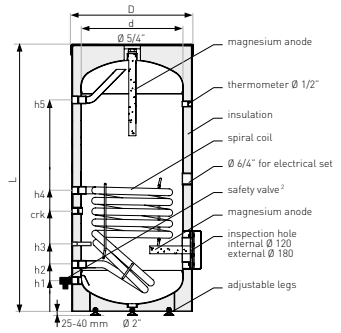


fig. 13

scheme - SGW(S) Tower Slim 250-300

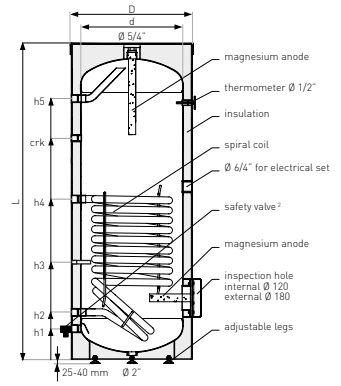


fig. 14

scheme - SGW(S) Tower Slim 800-1000

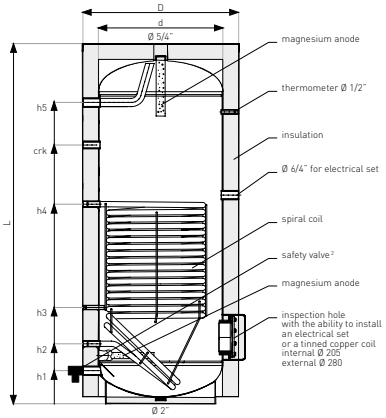


fig. 15

scheme - top view

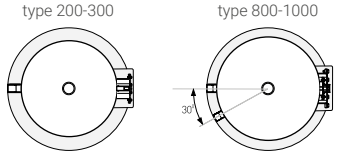


fig. 16

[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.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

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: pellet (f.ex. Genesis Plus KPP), 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 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 800-1000 (large dual titanium anode).

pic. 12
SGW(S) Tower Slim

We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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

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

* Details in the warranty card.

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

INDIRECT WATER HEATERS WITH TWO SPIRAL COILS - TYPE SGW(S)B TOWER BIWAL

Technical specification - SGW(S)B Tower Biwal

specification		unit	SGW(S)B Tower Biwal						
			200	300	400	500	700	1000	1500
storage capacity [1]		l	197	299	395	496	683	992	1420
ErP	polyurethane foam	-	B	B	C	B	C	-	-
	Neodul®	-	-	-	-	-	C	C	C
tank's maximum working temperature		°C	95	95	95	95	95	95	95
coil's maximum working temperature		°C	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
coil's maximum working pressure		MPa	1,6	1,6	1,6	1,6	1,6	1,6	1,6
coil's surface I		m^2	1,0	1,4	1,8	2,0	2,4	2,7	2,7
coil's capacity I		l	7,0	9,8	12,6	14,0	16,8	18,9	18,9
coil's power I (70/10/45°C)		kW	24	33,6	43	48	57,6	64,8	64,8
coil's efficiency I (70/10/45°C)		l/h	570	800	1030	1150	1380	1580	1580
coil's power I (80/10/45°C)		kW	32	44,8	57,6	64	76,8	86,4	86,4
coil's efficiency I (80/10/45°C)		l/h	760	1070	1380	1530	1840	2110	2110
coil's surface II		m^2	0,7	1,1	1,1	1,1	1,2	1,5	1,5
coil's capacity II		l	4,9	7,7	7,7	7,7	8,4	10,5	10,5
coil's power II (70/10/45°C)		kW	17	26,4	26,4	26,4	28,8	36	36
coil's efficiency II (70/10/45°C)		l/h	410	630	630	630	690	880	880
coil's power II (80/10/45°C)		kW	22	35,2	35,2	35,2	38,4	48	48
coil's efficiency II (80/10/45°C)		l/h	540	840	840	840	920	1150	1150
magnesium anode	top cover (5/4" plug)	mm	38x400	38x400	38x600	38x600	-	-	-
	top cover (2" plug)	mm	-	-	-	-	38x600	38x600	38x600
	insp. hole (M8 screw)	mm	38x200	38x200	38x200	38x200	38x400	38x400	38x400
h1 - cold water inflow (int. thread)		" / mm	1 / 130	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 / 280	1 / 320	1 / 320	1 / 375	1 / 450	1 / 450
h3 - sensor cover I (Ø)		" / mm	3/8 / 355	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 / 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 / 750	1 / 870	1 / 970	1 / 1045	1 / 1000	1 / 1000
h5 - CH water outflow II (int. thread)		" / mm	1 / 635	1 / 860	1 / 980	1 / 1090	1 / 1175	1 / 1100	1 / 1100
h6 - sensor cover II (Ø)		" / mm	3/8 / 765	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 / 1200	1 / 1330	1 / 1440	1 / 1555	1 / 1440	1 / 1440
h8 - DHW outflow (int. thread)		" / mm	1 / 975	1 / 1355	1 / 1470	1 / 1650	6/4 / 1715	6/4 / 1570	6/4 / 2250
d - internal diameter		mm	550	550	600	630	700	900	900
D - external diameter		mm	670	670	700	755	855/860[3]	1060[3]	1100[3]
L - height		mm	1140	1615	1750	1950	2050/2080[3]	1990[3]	2680[3]
net weight		kg	88	122	157	178	267	374	492

scheme - SGW(S)B Tower Biwal 200, 300, 700, 1000

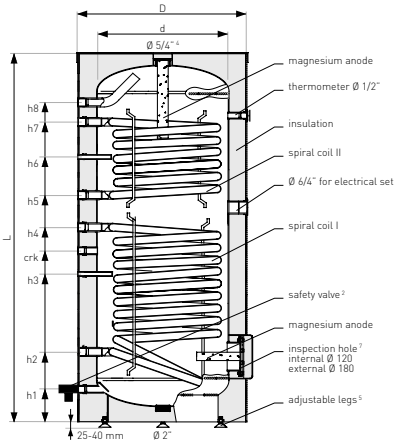


fig. 17

scheme - SGW(S)B Tower Biwal 400

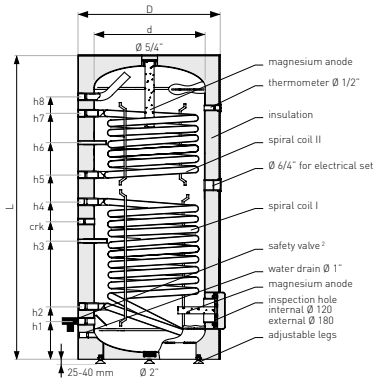


fig. 18

scheme - SGW(S)B Tower Biwal 500, 1500

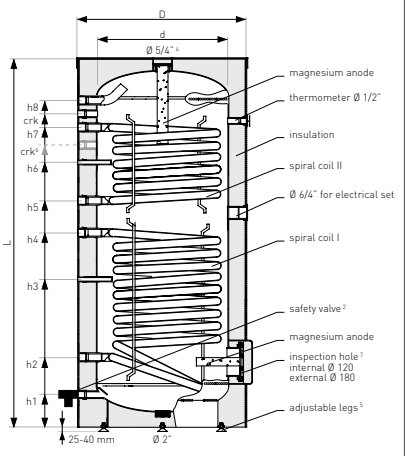


fig. 19

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

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

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
26-309000N	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.

pic. 14
SGW(S)B
Tower Biwal

pic. 15
SGW(S)B Big Tower Biwal
in Neodul® insulation

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: pellet (f.ex. Genesis Plus KPP), 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 400-500 (large single titanium anode).
- for types 700-1000 (large dual titanium anode).
- for type 1500 (large dual titanium anode Maxi).

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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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		m²	0,8	1,0	1,4
coil's capacity I		l	5,6	7,0	9,8
coil's power I (70/10/45°C)		kW	21,4	23,6	33,6
coil's efficiency I (70/10/45°C)		l/h	526	585	814
coil's power I (80/10/45°C)		kW	29	31,5	44,8
coil's efficiency I (80/10/45°C)		l/h	714	774	1096
coil's surface II		m²	0,6	0,8	0,8
coil's capacity II		l	4,2	5,6	5,6
coil's power II (70/10/45°C)		kW	14,2	21,5	21,5
coil's efficiency II (70/10/45°C)		l/h	351	533	533
coil's power II (80/10/45°C)		kW	18,8	26	26
coil's efficiency II (80/10/45°C)		l/h	465	632	632
demand for heating water from CH boiler		m³/h	2,7	3,0	3,0
magnesium anode	top cover (5/4" plug)	mm	38x400	38x400	38x400
	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		m²	2,4	3,7
coil's capacity I		l	16,8	25,8
coil's power I (70/10/45°C)		kW	44,5	60
coil's efficiency I (70/10/45°C)		l/h	1099	1468
coil's power I (80/10/45°C)		kW	57	78
coil's efficiency I (80/10/45°C)		l/h	1393	1936
coil's surface II		m²	1,2	1,8
coil's capacity II		l	8,4	12,6
coil's power II (70/10/45°C)		kW	24,5	39
coil's efficiency II (70/10/45°C)		l/h	600	958
coil's power II (80/10/45°C)		kW	32	51,8
coil's efficiency II (80/10/45°C)		l/h	788	1282
demand for heating water from CH boiler		m³/h	3,0	3,0
magnesium anode	top cover (2" plug)	mm	38x600	38x600
	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.

scheme - SGW(S)B Tower Biwal Slim 200

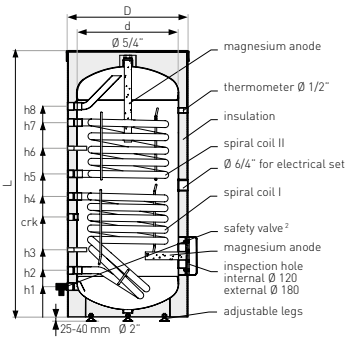


fig. 20

scheme - SGW(S)B Tower Biwal Slim 250-300

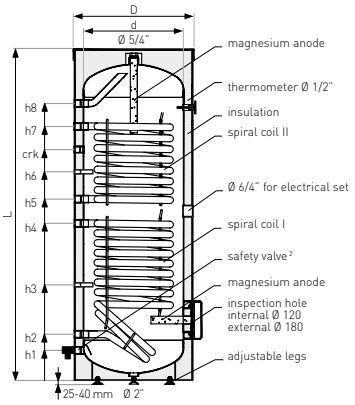


fig. 21

scheme - SGW(S)B Tower Biwal Slim 800-1000

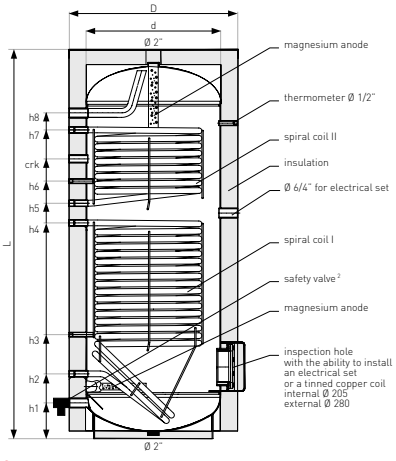


fig. 22

scheme - top view

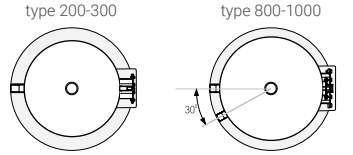


fig. 23

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

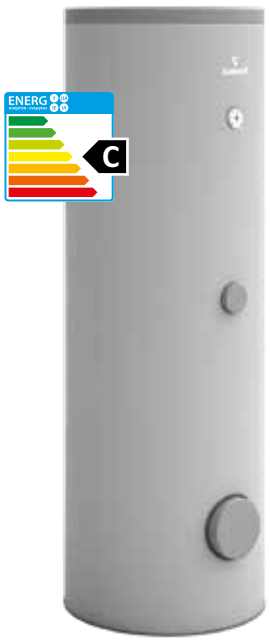
SGW(S)B Tower Biwal Slim

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: pellet (f.ex. Genesis Plus KPP), 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 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 800-1000 (large dual titanium anode).



pic. 16
SGW(S)B Tower Biwal Slim

We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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

Galmet water tanks are subjected to random stress tests for **20,000** hydraulic impacts with a pressure of 1.5 × 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 anode top cover (5/4" plug)	mm	38x200	38x400	38x400	38x400	38x600	38x600
magnesium anode insp. hole (M8 screw)	mm	38x200	38x200	38x200	38x200	38x200	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

scheme - SGW(S) Tower Grand

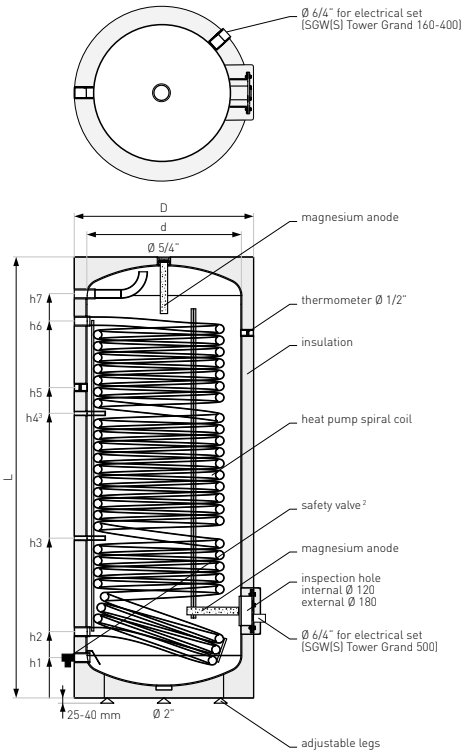


fig. 24

[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.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

SGW(S) Tower Grand

cat. no.	type	description	EAN code
26-168107	160	large spiral coil, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224573613
26-208107	200		5901224573637
26-258107	250		5901224582196
26-308107N	300		5901224573651
26-408107N	400		5901224573675
26-504107N	500		5901224573699

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 300-500 (large single titanium anode).

pic. 18
SGW(S) Tower Grand

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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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	2,9	-	2,9
300	1,4	2,7	3,6	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
storage capacity [1]	l	243	290	376	471
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	95	95	95	95
coil's maximum working temperature	°C	110	110	110	110
coil's surface	m^2	2,9	3,6	5,0	6,0
coil's capacity	l	24,0	30,0	34,9	41,9
coil's power (80/10/45°C)	kW	70	85	108	114
coil's power (80/10/60°C)	kW	60	73	89	99
coil's efficiency (80/10/60°C)	l/h	1100	1385	1460	1724
heat pump coil's power (50/10/45°C)	kW	21	26	37	39
demand for heating water from CH boiler	m^3/h	3,0	3,0	3,0	3,0
magnesium anode: top cover (5/4" plug)	mm	38x600	38x600	38x600	38x600
magnesium anode: insp. hole (M8 screw)	mm	38x200	38x200	38x400	38x400
h1 - cold water inflow (int. thread)	" / mm	1 / 130	1 / 130	1 / 150	1 / 180
h2 - CH water outflow (int. thread)	" / mm	5/4 / 220	5/4 / 230	5/4 / 235	5/4 / 265
h3 - sensor cover I (Ø)	" / mm	3/8 / 600	3/8 / 610	3/8 / 560	3/8 / 610
h4 - circulation (int. thread)	" / mm	3/4 / 870	3/4 / 995	3/4 / 840	3/4 / 870
h5 - CH hot water inflow (int. thread)	" / mm	5/4 / 1120	5/4 / 1345	5/4 / 1285	5/4 / 1415
h6 - DHW outflow (int. thread)	" / mm	1 / 1210	1 / 1445	1 / 1475	1 / 1650
d - internal diameter	mm	550	550	600	630
D - external diameter	mm	670	670	700	755
L - height	mm	1380	1615	1750	1950
net weight	kg	140	153	215	247

scheme - SGW(S) Maxi 250-300

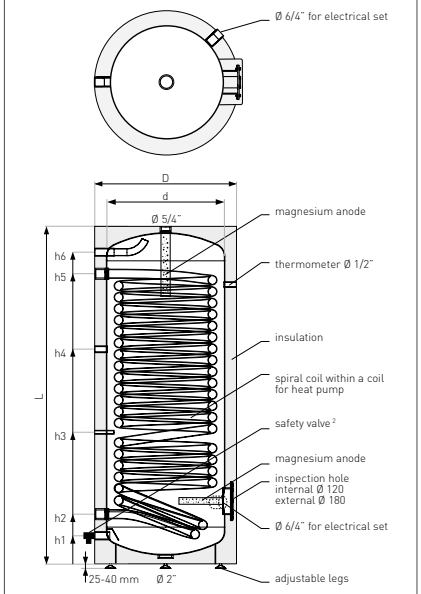


fig. 25

scheme - SGW(S) Maxi 400

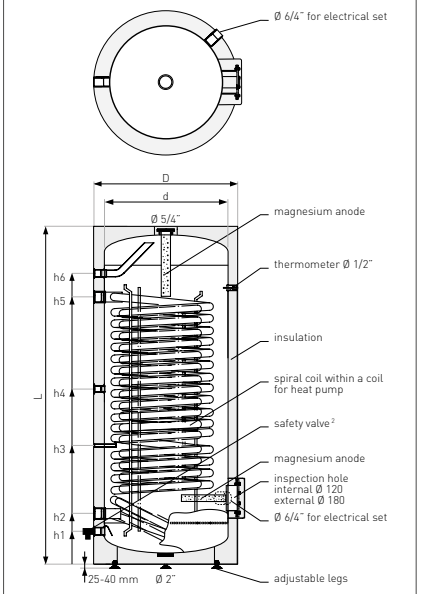


fig. 26

scheme - SGW(S) Maxi 500

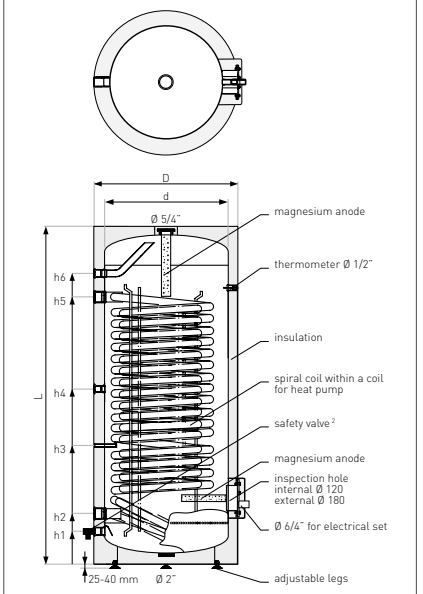


fig. 27

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

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

SGW(S) Maxi

cat. no.	type	description	EAN code
26-258500N	250	maximum size spiral coil 2,9-6,5 m², polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224588426
26-308500N	300		5901224587207
26-408100N	400		5901224557279
26-504100N	500		5901224557286

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 300-500 (large single titanium anode).

pic. 19
SGW(S) Maxi

pic. 20
maximum size
spiral coil
bent in two diameters

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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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 THE MAXIMUM SIZE SPIRAL COIL FOR HEAT PUMPS- TYPE SGW(S) MAXI

Technical specification - SGW(S) Maxi

specification		unit	SGW(S) Maxi				
			700	1000	1500	800	1000
storage capacity [1]		l	657	973	1396	880	985
ErP	polyurethane foam	-	C	-	-	-	-
	Neodul®	-	C	C	C	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
coil's surface		m^2	6,5	6,5	6,5	9,0	12,0
coil's capacity		l	45,4	45,4	45,4	76,0	101,0
coil's power (80/10/45°C)		kW	138	138	138	182	240
coil's power (80/10/60°C)		kW	108	108	108	-	-
coil's efficiency (80/10/45°C)		l/h	-	-	-	4500	5900
coil's efficiency (80/10/60°C)		l/h	1894	1894	1894	-	-
heat pump coil's power (50/10/45°C)		kW	40	40	40	62	80
demand for heating water from CH boiler		m^3/h	3,0	3,0	3,0	3,0	3,0
magnesium anode	top cover (2" plug)	mm	38x600	38x600	38x600	-	-
	insp. hole (M8 screw)	mm	38x400	38x400	38x400	-	-
titanium anode	top cover (2" plug)	mm	-	-	-	large dual titanium anode Maxi	
	insp. hole (M8 screw)	mm	-	-	-	large dual titanium anode Maxi	
h1 - cold water inflow (int. thread)		" / mm	6/4 / 215	6/4 / 245	6/4 / 245	6/4 / 255	6/4 / 255
h2 - CH water outflow (int. thread)		" / mm	5/4 / 395	5/4 / 445	5/4 / 445	2 / 445	2 / 445
h3 - sensor cover I (Ø)		" / mm	3/8 / 755	3/8 / 745	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	5/4 / 1175	5/4 / 1075	5/4 / 1477	5/4 / 1225	5/4 / 1375
h6 - CH hot water inflow (int. thread)		" / mm	5/4 / 1355	5/4 / 1195	5/4 / 1197	2 / 1475	2 / 1695
h7 - DHW outflow (int. thread)		" / mm	6/4 / 1715	6/4 / 1575	6/4 / 2247	6/4 / 1625	6/4 / 1845
d - internal diameter		mm	700	900	900	900	900
D - external diameter		mm	855/860 [3]	1060	1060	1060	1060
L - height		mm	2050/2080 [3]	2020	2600	1935	2135
height when tilted		mm	2220/2100 [3]	2230	2850	2080	2340
net weight		kg	307/287 [3]	398	490	454	521

scheme - SGW(S) Maxi 700-1500

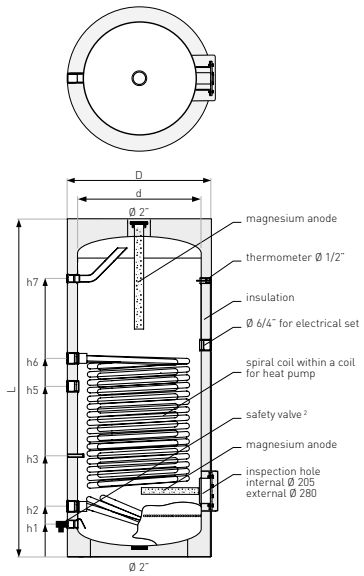


fig. 28

scheme - SGW(S) Maxi 800-1000

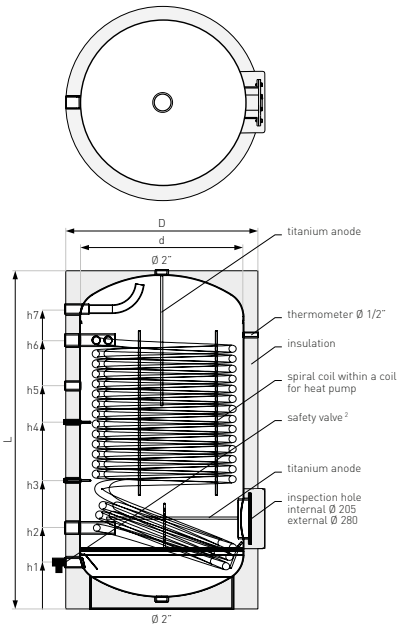


fig. 29

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

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

SGW(S) Maxi

cat. no.	type	description	EAN code
26-704100N	700	maximum size spiral coil 2,9-6,5 m², polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224557743
26-704700N	700	maximum size spiral coil 6,5 m², detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224563867
36-104700N	1000		5901224572128
36-154100N	1500		5901224573255
26-804808N	800	maximum size spiral coil 9,0-12,0 m², detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, large dual titanium anode Maxi	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 700-1500 (large dual titanium anode).
- for types 800 9 m² and 1000 12 m² (large dual titanium anode Maxi).

pic. 22
SGW(S) Maxi

pic. 21
maximum size
spiral coil
bent in two diameters

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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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 (bivalent)

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	-	-
	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	0,9 / 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	8,0 / 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	-	-
	insp. hole (M8 screw)	mm	38x200	38x400	38x400	-	-
magnesium anode	top cover (2" plug)	mm	-	-	-	large dual titanium anode Maxi	
	insp. hole (M8 screw)	mm	-	-	-	large dual titanium anode Maxi	
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 / 240	5/4 / 245	5/4 / 265	2 / 385	2 / 385
h3 - sensor cover I (Ø)		" / mm	3/8 / 445	3/8 / 425	3/8 / 410	1/2 / 510	1/2 / 525
h4 - CH hot water inflow I (int. thread)		" / mm	5/4 / 560	5/4 / 565	5/4 / 645	2 / 630	2 / 685
h5 - CH water outflow II (int. thread)		" / mm	5/4 / 650	5/4 / 675	5/4 / 755	2 / 755	2 / 805
h6 - sensor cover II (Ø)		" / mm	3/8 / 1020	3/8 / 835	3/8 / 960	1/2 / 955	1/2 / 1075
h7 - circulation (int. thread)		" / mm	3/4 / 1130	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 / 1340	5/4 / 1405	5/4 / 1645	2 / 1495	2 / 1845
h10 - DHW outflow (int. thread)		" / mm	1 / 1445	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

scheme - SGW(S)B Maxi Plus 300

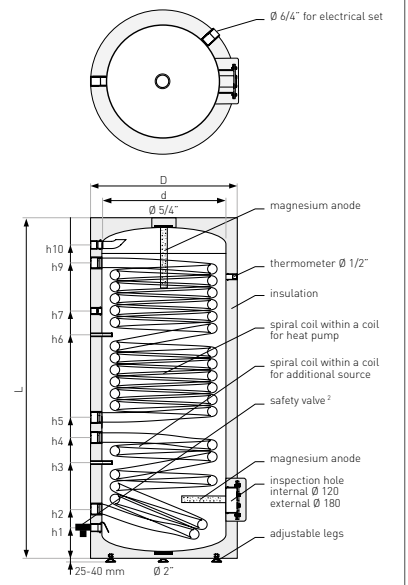


fig. 30

scheme - SGW(S)B Maxi Plus 400-500

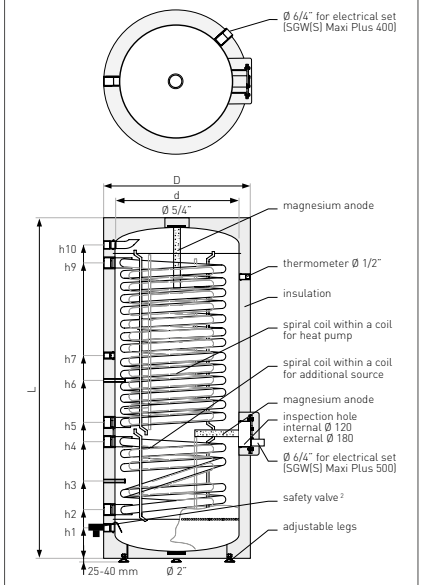


fig. 31

scheme - SGW(S)B Maxi Plus 800-1000

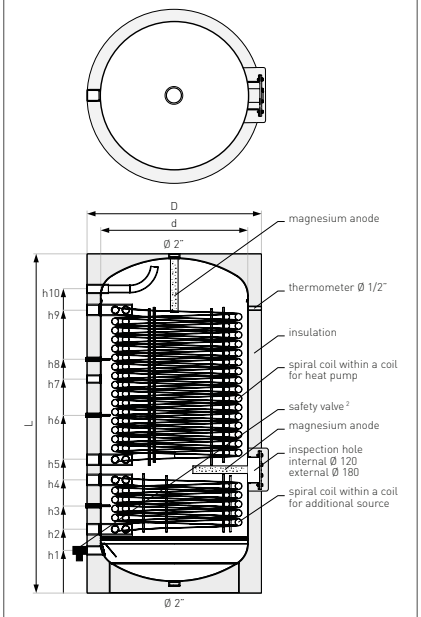


fig. 32

[1] According to the (EU) 812/2013, 814/2013.
[2] Included with the device for self-assembly.

Made in Poland

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

SGW(S)B Maxi Plus

cat. no.	type	description	EAN code
26-309500N	300	two maximum size spiral coils 2,2/0,9 m² - 4,8/1,8 m², polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224590801
26-409100N	400		5901224557309
26-509100N	500		5901224557316
26-809108N	800	two maximum size spiral coils 7,5/2,0 m² - 9,0/3,0 m², detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, large dual titanium anode Maxi	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 300-500 (large single titanium anode).
- for types 800-1000 (large dual titanium anode Maxi).

pic. 23
SGW(S)B Maxi Plus

pic. 24
maximum size spiral coil
bent in two diameters

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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

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.

COMBINED HEAT ACCUMULATION VESSELS (TANK WITHIN A TANK) - TYPE SG(K) KUMULO

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

specification	unit	SG(K) Kumulo with one or two spiral coils					
		300/80	380/120	500/160	600/200	800/200	1000/200
storage cap. of the heating sys. water tank	l	220	260	340	400	600	800
storage capacity of the DHW tank	l	80	120	160	200	200	200
ErP polyurethane foam	-	B	B	C	C	-	-
ErP Neodul®	-	-	-	-	-	C	C
circulation water tank / DHW tank maximum working pressure	MPa	0,3 / 0,6	0,3 / 0,6	0,3 / 0,6	0,3 / 0,6	0,3 / 0,6	0,3 / 0,6
coil's maximum working pressure	MPa	1,6	1,6	1,6	1,6	1,6	1,6
tank's / coil's maximum working temperature	°C	95 / 110	95 / 110	95 / 110	95 / 110	95 / 110	95 / 110
lower coil's surface	m^2	1,6	2,1	2,1	2,1	2,4	2,4
lower coil's capacity	l	11,2	14,7	14,7	14,7	16,8	16,8
upper coil's surface	m^2	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 (int. thread)	" / mm	1/2 / 520	1/2 / 600	1/2 / 520	1/2 / 520	1/2 / 665	1/2 / 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 (int. thread)	" / mm	1/2 / 960	1/2 / 1315	1/2 / 1115	1/2 / 1290	1/2 / 1075	1/2 / 1265
h9 - CH boiler water inflow (int. thread)	" / mm	5/4 / 1235	5/4 / 1590	5/4 / 1315	5/4 / 1515	5/4 / 1265	5/4 / 1465
h10 - CH boiler water inflow (int. thread)	" / mm	5/4 / 1240	5/4 / 1590	5/4 / 1315	5/4 / 1515	5/4 / 1265	5/4 / 1465
d - internal diameter	mm	550	550	700	700	900	900
D - external diameter	mm	700	700	855	855	1055	1055
L - height	mm	1470	1840	1670	1840	1650	1850
height when tilted	mm	-	-	-	-	1960	2130
net weight (with 1 coil in external tank)	kg	131	165	192	212	228	250

scheme - SG(K) Kumulo with one spiral coil in external tank

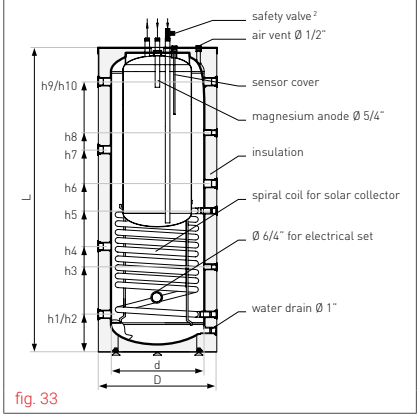


fig. 33

scheme - SG(K) Kumulo with two spiral coils

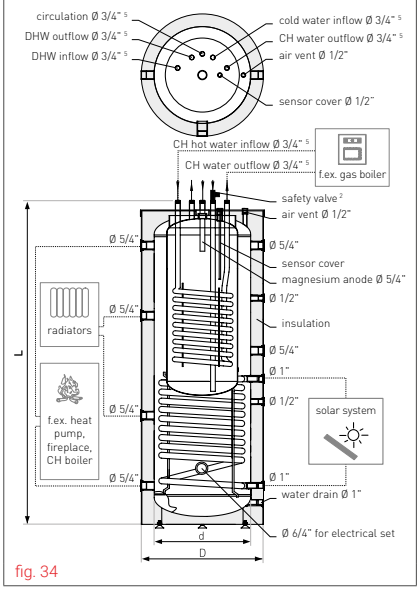


fig. 34

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

specification	unit	SG(K) Kumulo with one spiral coil in the inner tank or without spiral coils					
		300/80	380/120	500/160	600/200	800/200	1000/200
storage cap. of the heating sys. water tank	l	220	260	340	400	600	800
storage capacity of the DHW tank	l	80	120	160	200	200	200
ErP polyurethane foam	-	B	B	C	C	-	-
ErP Neodul®	-	-	-	-	-	C	C
circulation water tank / DHW tank maximum working pressure	MPa	0,3 / 0,6	0,3 / 0,6	0,3 / 0,6	0,3 / 0,6	0,3 / 0,6	0,3 / 0,6
coil's maximum working pressure	MPa	1,6	1,6	1,6	1,6	1,6	1,6
tank's / coil's maximum working temperature	°C	95 / 110	95 / 110	95 / 110	95 / 110	95 / 110	95 / 110
upper coil's surface	m^2	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 boiler water inflow (int. thread)	" / mm	5/4 / 220	5/4 / 220	5/4 / 305	5/4 / 305	5/4 / 375	5/4 / 375
h3 - sensor cover I (int. thread)	" / mm	1/2 / 305	1/2 / 335	1/2 / 390	1/2 / 405	1/2 / 625	1/2 / 465
h4 - CH boiler water inflow (int. thread)	" / mm	5/4 / 390	5/4 / 450	5/4 / 475	5/4 / 505	5/4 / 525	5/4 / 555
h5 - CH boiler water inflow (int. thread)	" / mm	5/4 / 580	5/4 / 680	5/4 / 640	5/4 / 710	5/4 / 675	5/4 / 740
h6 - CH boiler water inflow (int. thread)	" / mm	5/4 / 730	5/4 / 905	5/4 / 810	5/4 / 945	5/4 / 825	5/4 / 925
h7 - CH boiler water inflow (int. thread)	" / mm	5/4 / 900	5/4 / 1135	5/4 / 980	5/4 / 1110	5/4 / 975	5/4 / 1110
h8 - sensor cover II (int. thread)	" / mm	1/2 / 900	1/2 / 1135	1/2 / 980	1/2 / 1110	1/2 / 975	1/2 / 1110
h9 - CH boiler water inflow (int. thread)	" / mm	5/4 / 1070	5/4 / 1365	5/4 / 1150	5/4 / 1315	5/4 / 1125	5/4 / 1295
h10 - CH boiler water inflow (int. thread)	" / mm	5/4 / 1235	5/4 / 1590	5/4 / 1315	5/4 / 1515	5/4 / 1275	5/4 / 1475
h11 - sensor cover III (int. thread)	" / mm	1/2 / 1235	1/2 / 1590	1/2 / 1315	1/2 / 1515	1/2 / 1275	1/2 / 1475
d - internal diameter	mm	550	550	700	700	900	900
D - external diameter	mm	700	700	855	855	1055	1055
L - height	mm	1470	1840	1670	1840	1620	1820
height when tilted	mm	-	-	-	-	1960	2130
net weight (with 1 coil in internal tank)	mm	123	148	180	196	209	233

scheme - SG(K) Kumulo without spiral coils

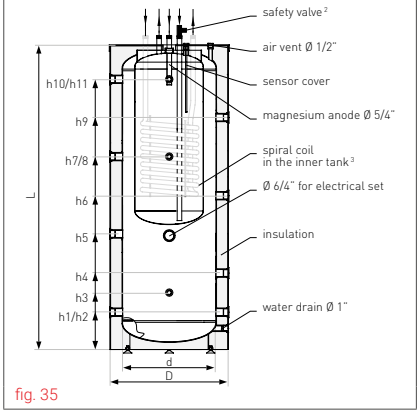


fig. 35

2 Included with the device for self-assembly.
3 Only in tanks with a spiral coil in the inner tank.
5 In types 500/160 or higher vessels with two spiral coils - diameter 1".

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

SG(K) Kumulo

cat. no.	type	description	EAN code
71-302000	300/80	spiral coil in the external tank, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224700019
71-404000	380/120		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	spiral coil in the internal tank, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224728006
71-414000	380/120		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	two spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224701856
72-404000	380/120		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	without spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224705267
70-404000	380/120		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

pic. 25
SG(K) Kumulo
with two spiral coils

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-006559	sensor cover (probe) copper 1/2" L=100	5901224008573

pic. 26
SG(K) Kumulo without spiral coils

We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

* 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
	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

scheme - SG(K) Complete 250/110
indirect water heater + CH buffer in one device

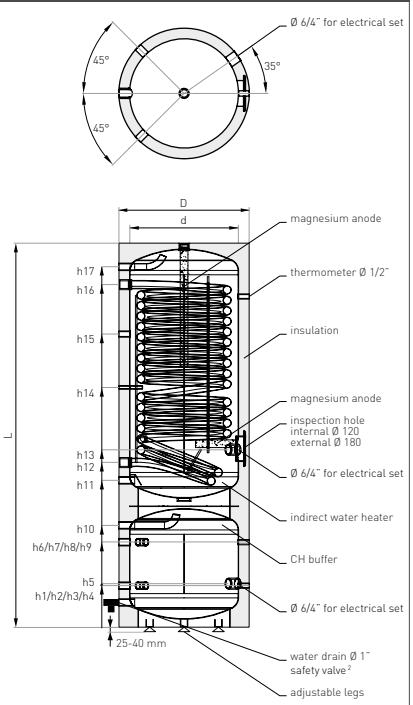


fig. 36

[1] According to the (EU) 812/2013, 814/2013.
[2] Included with the device for self-assembly.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

SG(K) Complete indirect water heater + CH buffer in one device

cat. no.	type	description	EAN code
71-251000	250/110	maximum size spiral coil, 110 l CH buffer, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224339066

pic. 27
SG(K) Complete

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 m^2).
- 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 on 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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

* 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						
		250	350	600	800	1000	1500	2000
storage capacity (without steel coils) [1]	l	259	353	619	760	940	1431	1964
ErP Neodul®	-	B	B	C	C	C	C	C
tank's maximum working pressure	MPa	0,3	0,3	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	90	90
maximum working temp. of the solar spiral coil / CH spiral coil	°C	110	110	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	0,6	0,6
coil's maximum working temperature for DHW	°C	90	90	90	90	90	90	90
coil's surface for DHW	m^2	3	4,5	4,1	5,7	7,7	8,25	8,25
coil's capacity for DHW	l	14	21	22	30,5	41	44	44
flow through the DHW coil at 45°C	l/min	10	10	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
flow efficiency at 80°C (constant temperature at constant tank volume) at water temperature 40°C	l	-	473	-	-	-	-	-
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 / 220	6/4 / 220	6/4 / 275	6/4 / 250	6/4 / 250	6/4 / 380	6/4 / 380
h2 - cold water inflow (int. thread)	" / mm	5/4 / 210	5/4 / 210	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 / 220	6/4 / 220	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 / 295	1/2 / 295	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 / 395	6/4 / 445	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 / 520	6/4 / 665	6/4 / 700	6/4 / 685	6/4 / 815	6/4 / 1015	6/4 / 925
h10 - sensor cover III (Ø)	" / mm	1/2 / 695	1/2 / 695	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 / 695	6/4 / 887	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 / 870	6/4 / 1110	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 / 995	1/2 / 1332	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 / 995	6/4 / 1332	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 / 1120	6/4 / 1555	6/4 / 1555	6/4 / 1550	6/4 / 1950	6/4 / 2260	6/4 / 2030
h19 - DHW outflow (int. thread)	" / mm	5/4 / 1130	5/4 / 1560	5/4 / 1560	5/4 / 1555	5/4 / 1950	5/4 / 2260	5/4 / 2030
d - internal diameter	mm	550	550	700	790	790	900	1100
D - external diameter	mm	670	700	860	950	950	1100	1300
L - height	mm	1380	1815	1900	1880	2270	2665	2500
height when tilted	mm	-	-	2120	2130	2470	2890	2820
net weight (without insulation, without steel spiral coils)	kg	90	115	167	182	212	257	288
net weight (without insulation, with two steel spiral coils)	kg	-	-	208	235	264	335	395

scheme - SG(K) Multi-Inox 250-350 without steel spiral coils

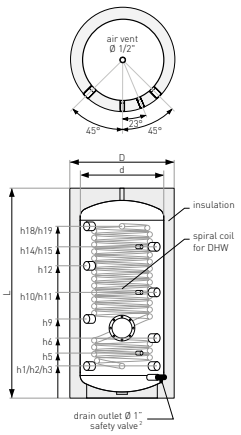


fig. 37

scheme - SG(K) Multi-Inox 600-2000 without steel spiral coils

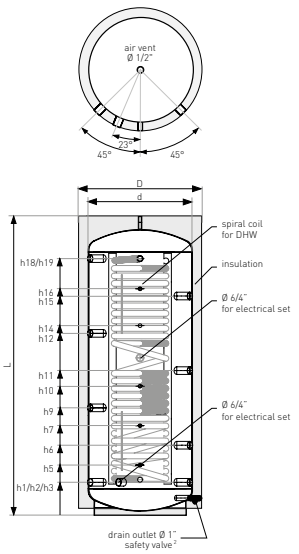


fig. 38

scheme - SG(K) Multi-Inox 600-2000 with one steel spiral coil

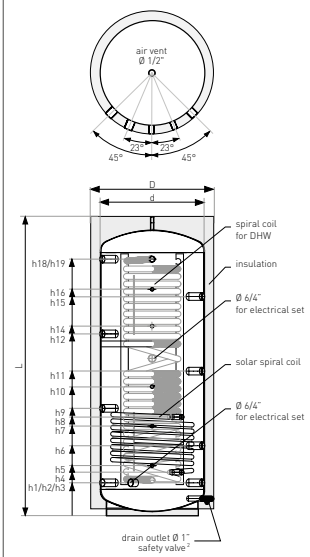


fig. 39

scheme - SG(K) Multi-Inox 600-2000 with two steel spiral coils

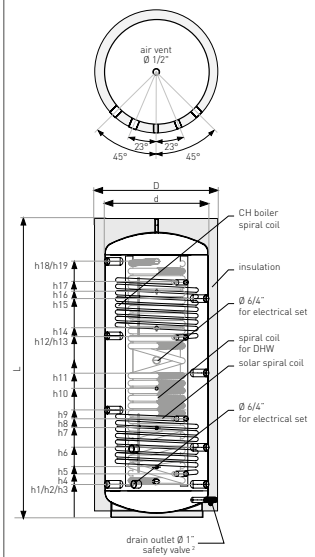


fig. 40

[1] According to the (EU) 812/2013, 814/2013.
[2] Included with the device for self-assembly.

Galmet
Nº1
water heaters
in Poland

Galmet
60
months
warranty*

SG(K) Multi-Inox

cat. no.	type	description	EAN code
70-251000	250	corrugated stainless steel spiral coil, detachable Neodul® insulation, artificial leather, non-enamelled	5901224332289
70-351000	350		5901224332302
70-601600	600		5901224741906
70-801600	800		5901224741913
70-101600	1000		5901224741920
70-151600	1500		5901224741937
80-201600	2000		5901224741944
71-601600	600	corrugated stainless steel spiral coil, one steel spiral coil, detachable Neodul® insulation, artificial leather, non-enamelled	5901224732867
71-801600	800		5901224733123
71-101600	1000		5901224733130
71-151600	1500		5901224733147
81-201600	2000		5901224733161
72-601600	600	corrugated stainless steel spiral coil, two steel spiral coils, detachable Neodul® insulation, artificial leather, non-enamelled	5901224733079
72-801600	800		5901224733086
72-101600	1000		5901224733093
72-151600	1500		5901224733109
82-201600	2000		5901224733154

pic. 28
SG(K) Multi-Inox

Advantages of the SG(K) Multi-Inox

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

We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 56.

pic. 29
SG(K) Multi-Inox
with one steel coil, two steel coils
or without any steel coils

* Details in the warranty card.

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

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

Technical specification - SG(B) 60-120 (wall-mounted)

specification	unit	SG(B)			
		60	80	100	120
storage capacity [1]	l	63	86	106	118
ErP polyurethane foam	-	C	C	C	C
tank's maximum working temperature	°C	95	95	95	95
tank's minimum working temperature	°C	6	6	6	6
tank's maximum working pressure	bar	3	3	3	3
h1 - CH boiler water inflow (int. thread)	" / mm	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
d - internal diameter	mm	400	400	400	400
D - external diameter	mm	460	460	460	460
L - height	mm	680	865	1015	1115
net weight	kg	30	35	39	46

scheme - SG(B) 60-120

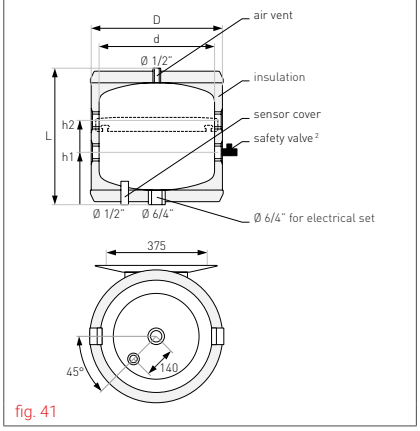


fig. 41

Technical specification - SG(B) 100-500

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

scheme - SG(B) 100

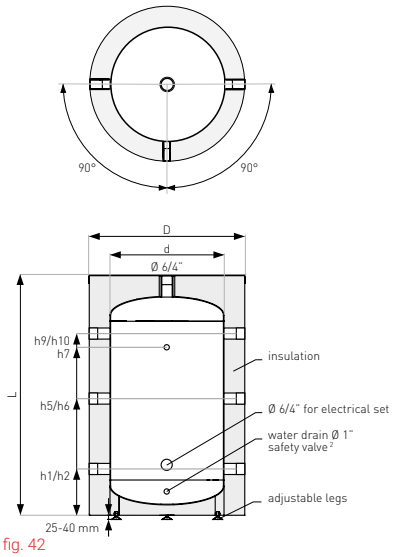


fig. 42

scheme - SG(B) 200

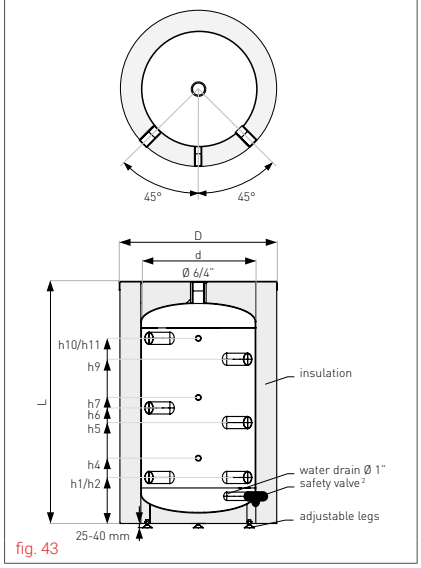


fig. 43

scheme - SG(B) 300-500

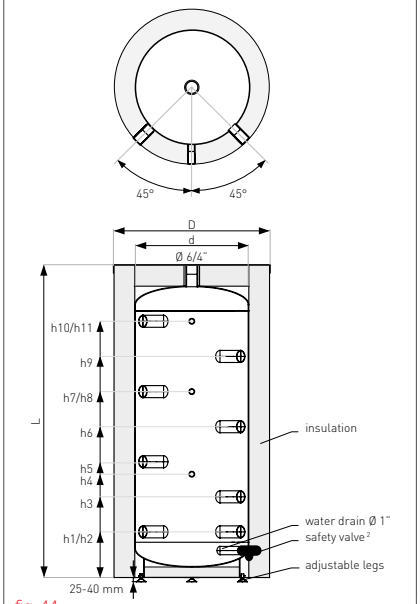


fig. 44

[1] According to the (EU) 812/2013, 814/2013.
[2] Not included with the device.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

Buffer tanks SG(B) 60-120 (wall-mounted)

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

Advantages of the SG(B) 60-120 (wall-mounted)

- Wide range of available capacities, from 60 to 120 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.

pic. 30
SG(B) 60 wall-mounted

Sensor cover

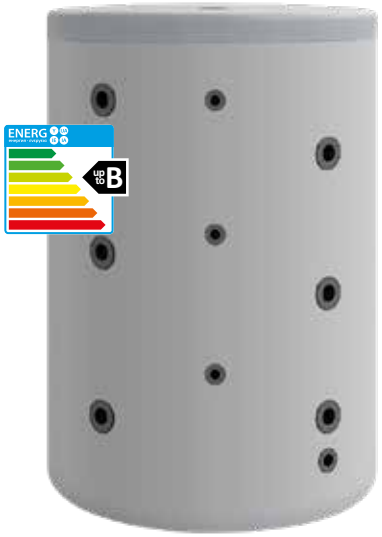
cat. no.	description	EAN code
M-010085	sensor cover (probe) L - 350 mm, Ø 1/2" - copper (60-80 l)	5901224070075
M-013178	sensor cover (probe) L - 700 mm, Ø 1/2" - copper (100-140 l)	5901224070075

Buffer tanks SG(B) 100-500

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

Advantages of the SG(B) 100-500 (floor-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.
- Floor-standing version.



pic. 31
SG(B) 200

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 56.

* Details in the warranty card.

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

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	243	290	366	459
ErP polyurethane foam	-	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	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
coil's surface	m^2	2,0	2,9	3,6	6,0	7,5
coil's capacity	l	14,0	24,0	30,0	41,0	47,9
coil's power (80/10/45°C)	kW	48	70	85	114	152
heat pump coil's power (50/10/45°C)	kW	14	21	26	37	52
demand for heating water from CH boiler	m^3/h	3	3	3	3	3
h1 - CH boiler water inflow (int. thread)	" / mm	6/4 / 220	6/4 / 220	6/4 / 220	6/4 / 250	6/4 / 265
h2 - CH water outflow (int. thread)	" / mm	1 / 205	5/4 / 220	5/4 / 220	5/4 / 250	5/4 / 275
h3 - CH boiler water inflow (int. thread)	" / mm	6/4 / 220	6/4 / 220	6/4 / 220	6/4 / 250	6/4 / 265
h4 - connection for an electrical set GE (int. thread)	" / mm	6/4 / 300	6/4 / 310	6/4 / 310	6/4 / 340	6/4 / 430
h5 - CH boiler water inflow (int. thread)	" / mm	6/4 / 475	6/4 / 370	6/4 / 410	-	-
h6 - sleeve for the sensor cover / thermometer (Ø)	" / mm	1/2 / 300	1/2 / 470	1/2 / 555	1/2 / 450	1/2 / 575
h7 - CH boiler water inflow (int. thread)	" / mm	6/4 / 555	6/4 / 520	6/4 / 600	6/4 / 450	6/4 / 495
h8 - CH boiler water inflow (int. thread)	" / mm	-	6/4 / 670	6/4 / 790	6/4 / 660	6/4 / 730
h9 - sleeve for the sensor cover / thermometer (Ø)	" / mm	1/2 / 615	1/2 / 770	1/2 / 955	1/2 / 780	1/2 / 1015
h10 - CH boiler water inflow (int. thread)	" / mm	6/4 / 785	6/4 / 820	6/4 / 980	6/4 / 910	6/4 / 950
h11 - CH boiler water inflow (int. thread)	" / mm	-	6/4 / 970	6/4 / 1170	6/4 / 1065	6/4 / 1195
h12 - sleeve for the sensor cover / thermometer (Ø)	" / mm	1/2 / 800	1/2 / 1010	1/2 / 1260	1/2 / 1265	1/2 / 1395
h13 - CH boiler water inflow (int. thread)	" / mm	6/4 / 885	6/4 / 1120	6/4 / 1350	6/4 / 1265	6/4 / 1405
h14 - CH hot water inflow (int. thread)	" / mm	1 / 900	5/4 / 1120	5/4 / 1350	5/4 / 1400	5/4 / 1545
h15 - CH boiler water inflow (int. thread)	" / mm	-	-	-	6/4 / 1470	6/4 / 1635
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

scheme - SG(B) 200 with the maximum size spiral coil

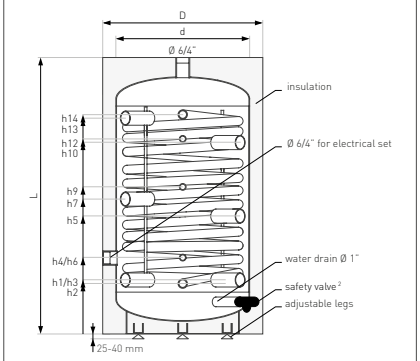


fig. 45

scheme - SG(B) 250-300 with the maximum size spiral coil

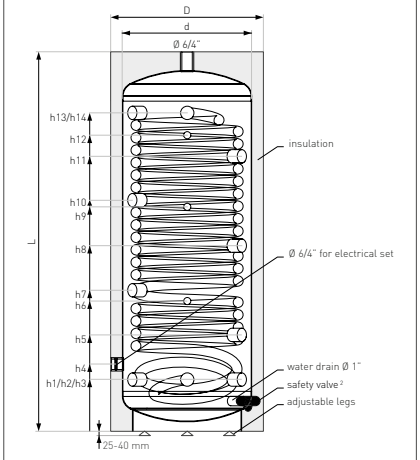


fig. 46

scheme - SG(B) 400-500 with the maximum size spiral coil

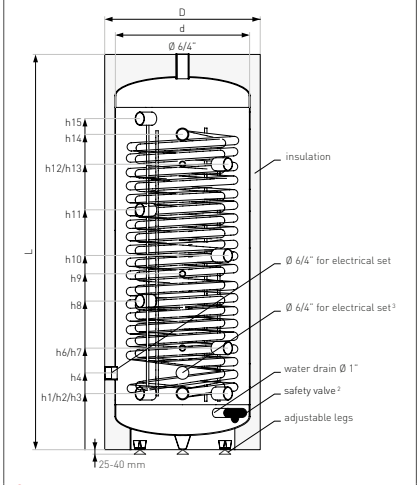


fig. 47

[1] According to the (EU) 812/2013, 814/2013.
[2] Not included with the device.
[3] Applies to SG(B) 500 with the maximum size spiral coil.

Galmet №1 water heaters in Poland

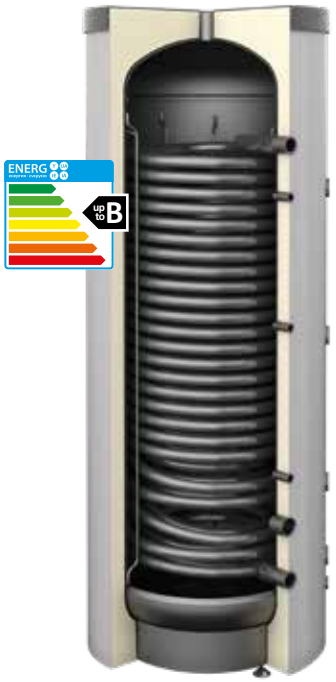
Galmet 60 months warranty*

Buffer tanks 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 m², polyurethane foam, artificial leather, non-enamelled	5901224330506
71-254500N	250		5901224339271
71-304500N	300		5901224339332
71-404100N	400		5901224319266
71-504100N	500		5901224320736

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

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



pic. 32
SG(B) with the maximum size spiral coil

We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 56.

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 [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	2,9	-	2,9
300	1,4	2,7	3,6	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

pic. 33
maximum size spiral coil
bent in two diameters

* 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 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

scheme - SG(B) 800-1000 with the maximum size spiral coil

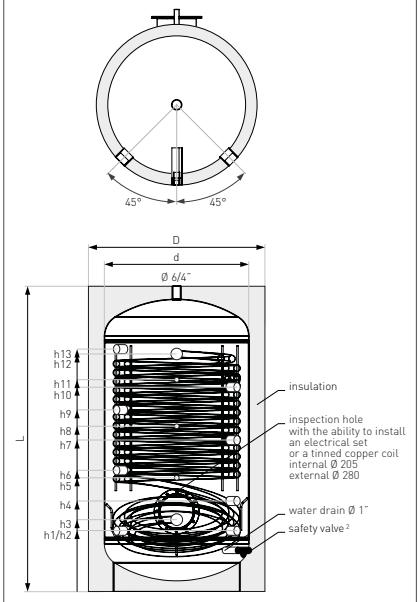


fig. 48

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)

scheme - tinned copper coil with a flange

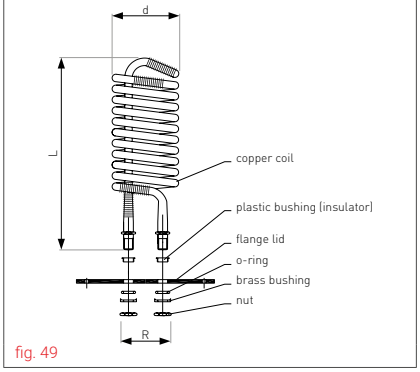


fig. 49

[1] According to the (EU) 812/2013, 814/2013.
[2] Not included with the device.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

Buffer tanks SG(B) with the maximum size spiral coil

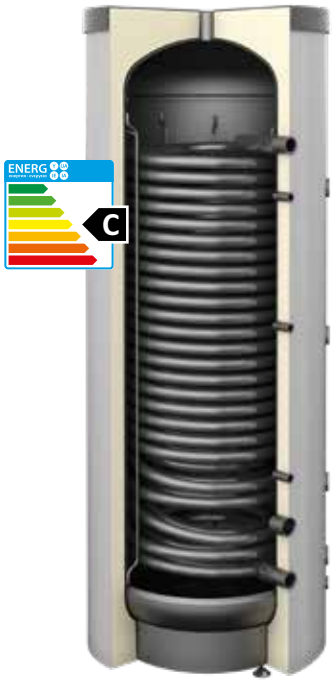
cat. no.	type	description	EAN code
71-800700	800	maximum size spiral coil 9,0-12,0 m², detachable Neodul® insulation, artificial leather, non-enamelled	5901224332173
71-100700	1000		5901224332197

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 56.

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



pic. 34
SG(B) with the maximum size spiral coil

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

cat. no.	description	EAN code
40-501210	1,0 m² (with enamelled flange Ø 280 + gasket)	5901224810145
40-501218	1,8 m² (with enamelled flange Ø 280 + gasket)	5901224810152
40-501223	2,3 m² (with enamelled flange Ø 280 + gasket)	5901224809897
40-501236	3,6 m² (with enamelled flange Ø 280 + gasket)	5901224810169
40-501245	4,5 m² (with enamelled flange Ø 280 + gasket)	5901224810176

pic. 35
tinned copper coil

* Details in the warranty card.

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

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

specification	unit	SG(B) with two maximum size spiral coils	
		800	1000
storage capacity [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

scheme - SG(B) 800-1000
with two maximum size spiral coils

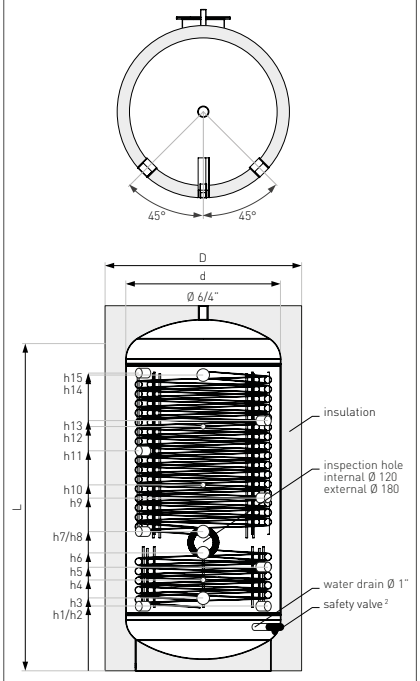


fig. 50

[1] According to the (EU) 812/2013, 814/2013.
[2] Not included with the device.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

Buffer tanks SG(B) with two maximum size spiral coils

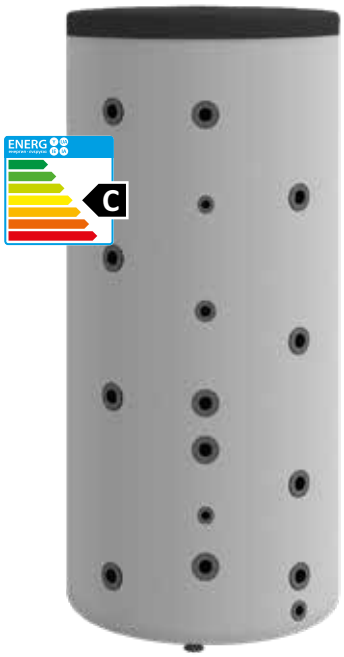
cat. no.	type	description	EAN code
72-800700	800	two maximum size spiral coils 7,5/2,0 m² - 9,0/3,0 m², detachable Neodul® insulation, artificial leather, non-enamelled	5901224332210
72-100700	1000		5901224332234

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 56.

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



pic. 36
SG(B) with two maximum size spiral coils

pic. 37
maximum size spiral coil
bent in two diameters

* Details in the warranty card.

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

Technical specification - SG(B) 200-5000

specification	unit	SG(B)										
		200	300	400	500	800	1000	1500	2000	3000	4000	5000
storage capacity [1]	l	223	322	396	467	728	883	1479	2023	2941	3985	4981
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	0,3	0,3	0,3
tank's maximum working temperature	°C	95	95	95	95	95	95	95	95	95	95	95
tank's minimum working temperature	°C	6	6	6	6	30	30	30	30	30	30	30
h1 - CH boiler water inflow (int. thread)	" / mm	6/4 / 220	6/4 / 220	6/4 / 250	6/4 / 250	6/4 / 265	6/4 / 265	6/4 / 375	6/4 / 380	6/4 / 425	6/4 / 500	6/4 / 500
h2 - CH boiler water inflow (int. thread)	" / mm	6/4 / 220	6/4 / 220	6/4 / 250	6/4 / 250	6/4 / 265	6/4 / 265	6/4 / 375	6/4 / 380	6/4 / 425	6/4 / 500	6/4 / 500
h3 - CH boiler water inflow (int. thread)	" / mm	-	6/4 / 410	6/4 / 445	6/4 / 485	6/4 / 450	6/4 / 515	6/4 / 700	6/4 / 655	6/4 / 720	6/4 / 730	6/4 / 815
h4 - sleeve for the sensor cover I (Ø)	" / mm	1/2 / 315	1/2 / 500	1/2 / 565	1/2 / 565	1/2 / 585	1/2 / 585	1/2 / 915	1/2 / 795	1/2 / 830	1/2 / 845	1/2 / 915
h5 - CH boiler water inflow (int. thread)	" / mm	6/4 / 485	6/4 / 600	6/4 / 635	6/4 / 715	6/4 / 635	6/4 / 755	6/4 / 1015	6/4 / 925	6/4 / 1045	6/4 / 965	6/4 / 1130
h6 - CH boiler water inflow (int. thread)	" / mm	6/4 / 555	6/4 / 785	6/4 / 825	6/4 / 945	6/4 / 835	6/4 / 1005	6/4 / 1325	6/4 / 1205	6/4 / 1365	6/4 / 1195	6/4 / 1450
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 / 1035	6/4 / 1255	6/4 / 1640	6/4 / 1475	6/4 / 1685	6/4 / 1420	6/4 / 1770
h8 - sleeve for the sensor cover III (Ø)	" / mm	-	1/2 / 975	1/2 / 1015	1/2/1180	1/2 / 1035	1/2 / 1255	1/2 / 1640	1/2 / 1475	1/2 / 1685	1/2 / 1420	1/2 / 1770
h9 - CH boiler water inflow (int. thread)	" / mm	6/4 / 785	6/4 / 1165	6/4 / 1210	6/4 / 1410	6/4 / 1230	6/4 / 1500	6/4 / 1950	6/4 / 1750	6/4 / 2000	6/4 / 1660	6/4 / 2085
h10 - CH boiler water inflow (int. thread)	" / mm	6/4 / 885	6/4 / 1355	6/4 / 1400	6/4 / 1640	6/4 / 1425	6/4 / 1745	6/4 / 2260	6/4 / 2030	6/4 / 2250	6/4 / 1900	6/4 / 2400
h11 - sleeve for the sensor cover IV (Ø)	" / mm	1/2 / 885	1/2 / 1355	1/2 / 1400	1/2 / 1640	1/2 / 1425	1/2 / 1745	1/2 / 2260	1/2 / 2030	1/2 / 2250	1/2 / 1900	1/2 / 2400
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	2480	2750	2420	2910
height when tilted	mm	-	-	-	-	1995	2270	2920	2820	3120	2970	3380
net weight (without insulation, without spiral coils)	kg	56	75	104	118	107	123	200	230	298	415	470

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.

scheme - SG(B) 200

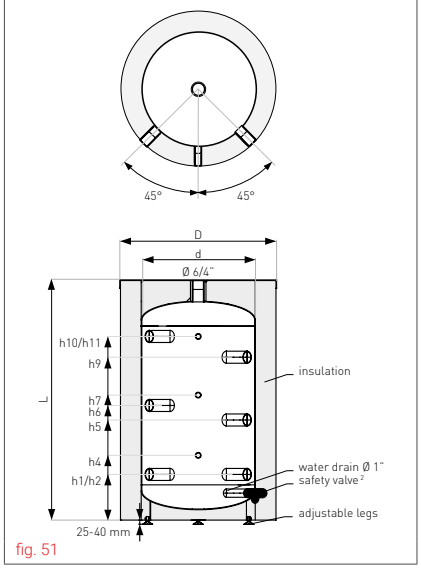


fig. 51

scheme - SG(B) 300-2000

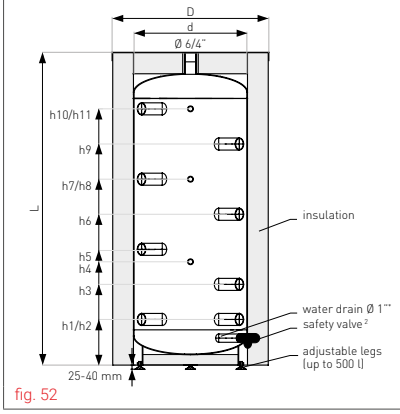


fig. 52

scheme - SG(B) 3000-5000

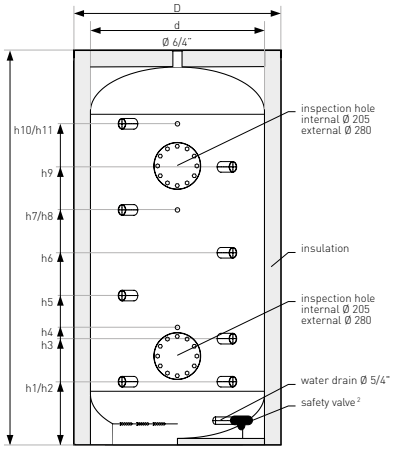
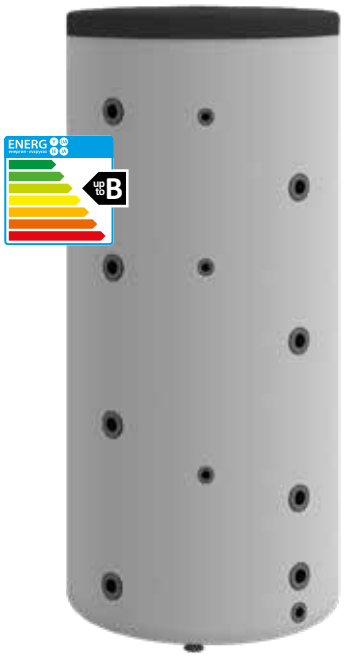


fig. 53

* For type 2000 water drain 5/4".
[1] According to the (EU) 812/2013, 814/2013.
[2] Not included with the device.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*



pic. 38
SG(B) 300

Buffer tanks 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		5901224709876
80-300600	3000	without spiral coils, detachable polyurethane foam, artificial leather, non-enamelled	5901224711893
80-400600	4000		5901224714009
80-500600	5000		5901224714016

Advantages of the SG(B)

- Water tank (buffer) for de-mineralised boiler water or glycol solution.
- Heat supply from several independent sources of heat (f.ex. CH boiler, heat pump, fireplace).
- Buffer tanks are insulated with:
  - hard polyurethane foam (type 200-500) or
  - detachable Neodul® insulation (type 800-2000) or
  - soft detachable polyurethane foam (type 3000-5000) or
  - without insulation secured only with corrosion protection paint (basic version).
- Tanks made to individual order - in case of a different configuration all the technical details (capacity, number, position and diameter of connections, etc.) are agreed upon with the technical department when a quote for the tank is being prepared.
- Tank's maximum working pressure - 0,3 MPa (0,6 MPa on special order).
- All connections are located on the front of the tank.

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

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

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

cat. no.	description	EAN code
40-501210	1,0 m² (with enamelled flange Ø 280 + gasket)	5901224810145
40-501218	1,8 m² (with enamelled flange Ø 280 + gasket)	5901224810152
40-501223	2,3 m² (with enamelled flange Ø 280 + gasket)	5901224809897
40-501236	3,6 m² (with enamelled flange Ø 280 + gasket)	5901224810169
40-501245	4,5 m² (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 II (Ø)	" / mm	-	1/2 / 975	1/2 / 1015	1/2 / 1180	1/2 / 1020	1/2 / 1240	1/2 / 1640	1/2 / 1480
h11 - CH boiler water inflow (int. thread)	" / mm	6/4 / 785	6/4 / 1165	6/4 / 1210	6/4 / 1410	6/4 / 1215	6/4 / 1485	6/4 / 1950	6/4 / 1755
h12 - CH boiler water inflow (int. thread)	" / mm	6/4 / 885	6/4 / 1355	6/4 / 1400	6/4 / 1640	6/4 / 1410	6/4 / 1730	6/4 / 2260	6/4 / 2025
h13 - sleeve for the sensor cover III (Ø)	" / mm	1/2 / 885	1/2 / 1355	1/2 / 1400	1/2 / 1640	1/2 / 1410	1/2 / 1730	1/2 / 2260	1/2 / 2025
d - internal diameter	mm	550	550	600	600	790	790	900	1100
D - external diameter	mm	670	670	700	700	950	950	1100	1300
L - height	mm	1140	1615	1660	1925	1730	2050	2700	2500
height when tilted	mm	-	-	-	-	1995	2270	2920	2820
net weight (without insulation, with one spiral coil)	kg	78	97	131	149	152	176	262	294

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

scheme - SG(B) 200 with one spiral coil

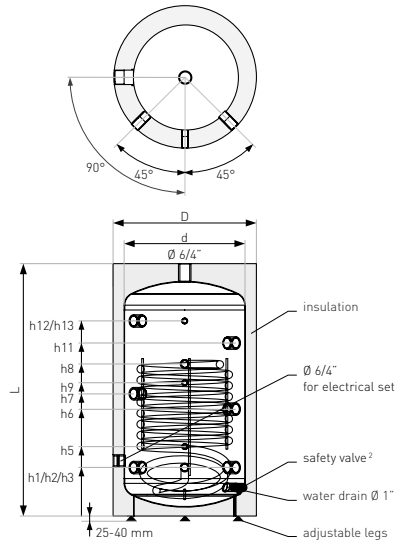


fig. 54

scheme - SG(B) 300-2000 with one spiral coil

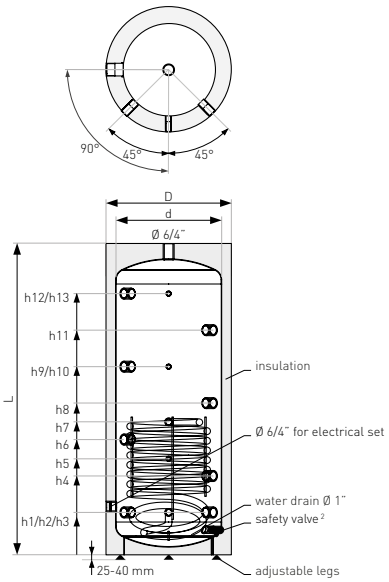


fig. 55

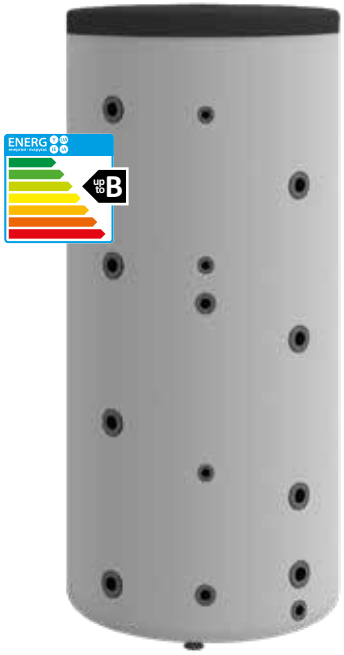
* For type 2000 water drain 5/4".
[1] According to the (EU) 812/2013, 814/2013.
[2] Not included with the device.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

Buffer tanks 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



pic. 39
SG(B) 300 z jedną wężownicą

Advantages of the SG(B) with one spiral coil

- 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 56.

* 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	m^2	1,8	2,5	3,0	3,5	4,0	4,5
coil's capacity I	l	12,6	17,5	20,9	24,4	28,0	31,5
coil's surface II	m^2	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	195	228	327	360

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

scheme - SG(B) 400-2000 with two spiral coils

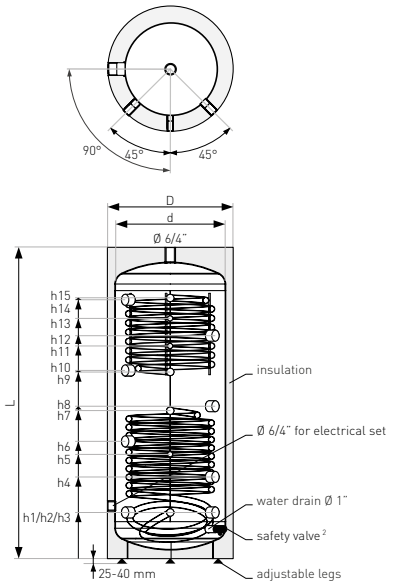


fig. 56

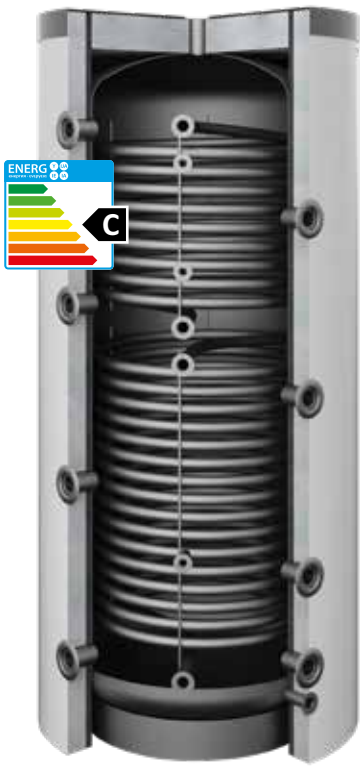
* For type 2000 water drain 5/4".
[1] According to the (EU) 812/2013, 814/2013.
[2] Not included with the device.

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

Buffer tanks 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	two spiral coils, detachable Neodul® insulation, artificial leather, non-enamelled	5901224721595
72-100600	1000		5901224718557
72-150600	1500		5901224725111
82-200600	2000		5901224723124



pic. 40
SG(B) 1000 with two spiral coils
in Neodul® insulation

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 56.

pic. 41
installation of the detachable Neodul® insulation

* 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

scheme - SG(S) Tower Acu 100-140

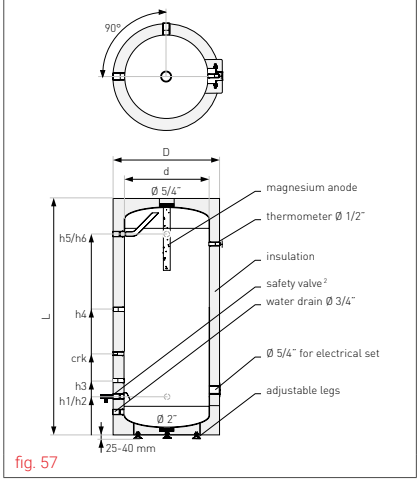


fig. 57

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

scheme - SG(S) Tower Acu 200, 400, 500

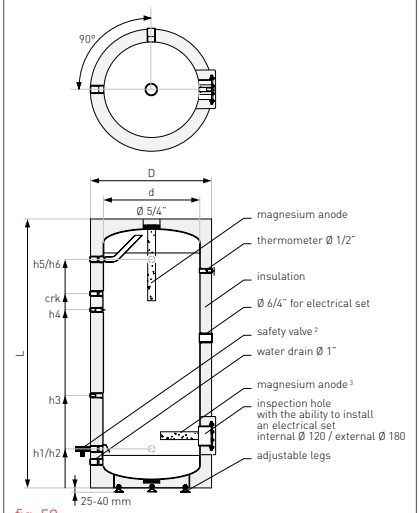


fig. 58

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

scheme - SG(S) Tower Acu 300

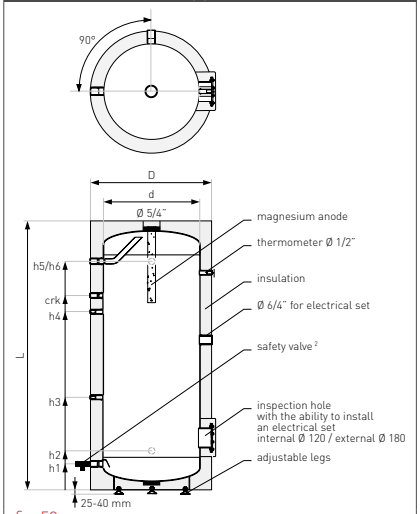


fig. 59

[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.

Galmet №1 water heaters in Poland

Galmet 60 months warranty*

SG(S) Tower Acu

cat. no.	type	description	EAN code
22-108000	100	without spiral coils, polyurethane foam, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224403002
22-128000	120		5901224403019
22-148000	140		5901224403026
22-208000	200		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 400-500 (large single titanium anode).

pic. 42
SG(S) Tower Acu 500

Advantages of the SG(S) Tower Acu

- Works with all types of boilers: pellet (f.ex. Genesis Plus KPP), 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 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

* 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	-	-
	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
	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

scheme - SG(S) Tower Acu 700-1500

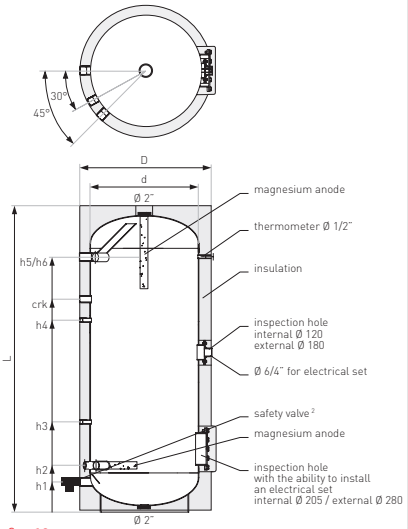


fig. 60

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	-	-
	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 - DHW outflow (int. thread)		" / mm	2 / 1625	2 / 2265
h6 - sleeve for additional source (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

scheme - SG(S) Tower Acu 2000-3000

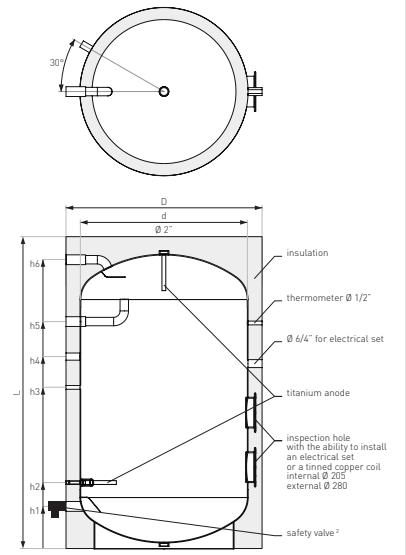


fig. 61

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

Galmet Nº1 water heaters in Poland

Galmet 60 months warranty*

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	without spiral coils, detachable Neodul® insulation, artificial leather, EXTRA GLASS® ceramic enamel, magnesium anode	5901224515224
34-104600	1000		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 700-1500 (large dual titanium anode).
- for types 2000-3000 (large dual titanium anode Maxi) pre-installed as standard.

pic. 43
SG(S) Tower Acu 2000
in Neodul® insulation

Advantages of the SG(S) Tower Acu

- Works with all types of boilers: pellet (f.ex. Genesis Plus KPP), 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 (700-1500) or titanium anode (2000-3000).

We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 56.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

pic. 44
tinned copper coil

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

cat. no.	description	EAN code
40-501210	1,0 m² (with enamelled flange Ø 280 + gasket)	5901224810145
40-501218	1,8 m² (with enamelled flange Ø 280 + gasket)	5901224810152
40-501223	2,3 m² (with enamelled flange Ø 280 + gasket)	5901224809897
40-501236	3,6 m² (with enamelled flange Ø 280 + gasket)	5901224810169
40-501245	4,5 m² (with enamelled flange Ø 280 + gasket)	5901224810176
40-501263	6,3 m² (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.

HORIZONTAL WATER HEATERS WITH A DOUBLE U-SHAPED COIL - TYPE SGW(L)X2

Technical specification - SGW(L)x2

specification	unit	SGW(L)x2			
		80	100	120	140
storage capacity [1]	l	85	103,5	114	132
ErP polyurethane foam	-	C	C	C	C
tank's / coil's maximum working pressure	MPa	0,6 / 0,6	0,6 / 0,6	0,6 / 0,6	0,6 / 0,6
tank's / coil's maximum working temperature	°C	95 / 110	95 / 110	95 / 110	95 / 110
coil's surface	m^2	0,38	0,38	0,52	0,52
coil's capacity	l	3,0	3,0	4,0	4,0
coil's power (70/10/45°C)	kW	9,15	9,15	12,5	12,5
coil's efficiency (70/10/45°C)	l/h	220	220	300	300
coil's power (80/10/45°C)	kW	10,4	10,4	14,2	14,2
coil's efficiency (80/10/45°C)	l/h	257	257	351	351
magnesium anode - 5/4" plug	mm	33x200	33x200	33x250	33x250
D - external diameter	mm	470	470	470	470
L - width	mm	930	1080	1180	1330
dimension A / B	mm	245 / 610	245 / 760	245 / 860	245 / 1010
net weight	kg	31	36	41	47

scheme - SGW(L)x2

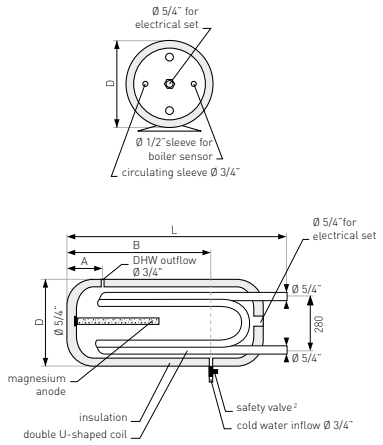


fig. 62

DOUBLE-JACKET HORIZONTAL WATER HEATERS - TYPE SGW(L)P

Technical specification - SGW(L)P

specification	unit	SGW(L)P			
		80	100	120	140
storage capacity [1]	l	88	107	119	137
ErP polyurethane foam	-	C	C	C	C
tank's /exchanger's maximum working pressure	MPa	0,6 / 0,2	0,6 / 0,2	0,6 / 0,2	0,6 / 0,2
tank's /exchanger's maximum working temperature	°C	95 / 110	95 / 110	95 / 110	95 / 110
exchanger's surface	m^2	0,50	0,70	0,83	1,02
exchanger's capacity	l	5,8	8,1	9,6	11,8
exchanger's power (70/10/45°C)	kW	12,0	16,7	19,8	24,4
exchanger's efficiency (70/10/45°C)	l/h	294	408	486	600
exchanger's power (80/10/45°C)	kW	13,7	19,0	22,6	27,8
exchanger's efficiency (80/10/45°C)	l/h	339	470	559	688
demand for heating water from CH boiler	m^3/h	1,4	1,4	1,6	1,6
magnesium anode - 5/4" plug	mm	33x200	33x200	33x250	33x250
D - external diameter	mm	470	470	470	470
L - width	mm	850	1000	1090	1290
dimension A / B	mm	170 / 265	170 / 265	170 / 265	170 / 265
dimension C / E	mm	560 / 665	710 / 815	810 / 915	965 / 1070
net weight	kg	41	47	56	65

scheme - SGW(L)P

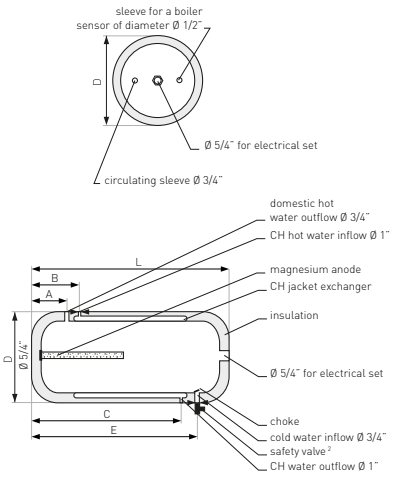


fig. 63

HORIZONTAL DHW TANKS WITHOUT SPIRAL COILS - TYPE SG-BW

Technical specification - SG-BW without spiral coils

specification	unit	SG-BW			
		80	100	120	140
storage capacity [1]	l	88	107	119	137
ErP polyurethane foam	mm	C	C	C	C
tank's maximum working pressure	MPa	0,6	0,6	0,6	0,6
tank's maximum working temperature	°C	95	95	95	95
magnesium anode - 5/4" plug	mm	33x200	33x200	33x250	33x250
D - external diameter	mm	470	470	470	470
L - width	mm	930	1080	1180	1330
dimension A / B	mm	250 / 620	250 / 760	250 / 860	250 / 1015
dimension B	mm	620	760	860	1015
net weight	kg	23	27	29	36

scheme - SG-BW 80-140

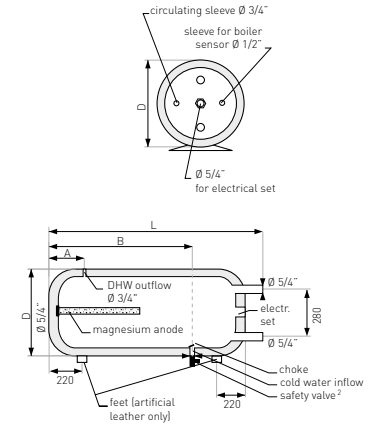


fig. 64

[1] According to the (EU) 812/2013, 814/2013.
[2] Included with the device for self-assembly.

Made in Poland

Galmet Nº1 water heaters in Poland

Galmet 24 months warranty*

SGW(L)x2

cat. no.	type	description	EAN code
21-084800	80	double U-shaped coil, polyurethane foam, EXTRA GLASS® ceramic enamel, magnesium anode	5901224300332
21-104800	100		5901224300349
21-124800	120		5901224300356
21-144800	140		5901224300363

Advantages of the SGW(L)x2

- Highest quality EXTRA GLASS® ceramic enamel.
- Additional protection with magnesium anode.
- The double U-shaped coil is made from one piece of a 5/4" pipe.
- Circulation and CH boiler sensor couplings as standard.
- Ability to install an electrical set - option.

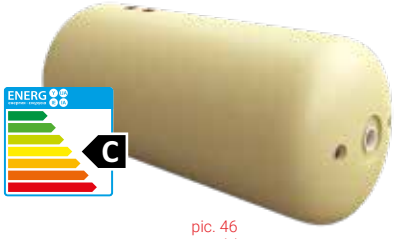
pic. 45
SGW(L)x2
in polyurethane foam

SGW(L)P

cat. no.	type	description	EAN code
20-084700	80	double-jacket heat exchanger, polyurethane foam, EXTRA GLASS® ceramic enamel, magnesium anode	5901224301070
20-104700	100		5901224301087
20-124700	120		5901224301094
20-144700	140		5901224301100

Advantages of the SGW(L)P

- High efficiency - water is heated using a steel jacket placed on almost the entire surface of the tank.
- Highest quality EXTRA GLASS® ceramic enamel.
- Additional protection with magnesium anode.
- Circulation and CH boiler sensor couplings as standard.
- Ability to install an electrical set - option.



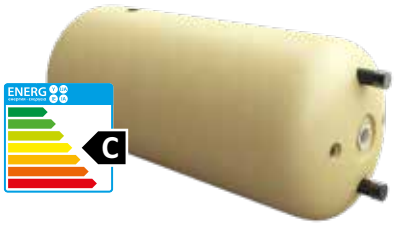
pic. 46
SGW(L)P
in polyurethane foam

SG-BW

cat. no.	type	description	EAN code
22-084700	80	without spiral coils, polyurethane foam, EXTRA GLASS® ceramic enamel, magnesium anode	5901224301391
22-104700	100		5901224301407
22-124700	120		5901224301414
22-144700	140		5901224301421

Advantages of the SG-BW

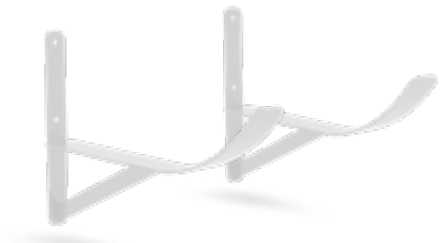
- Highest quality EXTRA GLASS® ceramic enamel.
- Additional protection with magnesium anode.
- Circulation and CH boiler sensor couplings as standard.
- Ability to install an electrical set - option.



pic. 47
SG-BW
in polyurethane foam

Mounting brackets for SGW(L)x2, SGW(L)P and SG-BW

cat. no.	description	EAN code
40-000102	mounting brackets for SGW(L)x2, SGW(L)P and SG-BW 80-140 (2 pcs in set)	5901224824128



pic. 48
mounting brackets
for SGW(L)x2, SGW(L)P and SG-BW

We recommend using Galmet's **insulated electrical sets** for our water heaters - more information on page 56.

* Details in the warranty card.

ELECTRIC WATER HEATERS
TYPE SG FOX

Technical specification - SG Fox

specification		unit	SG Fox 5	10	30	50	80	100	120
storage capacity [1]		l	5	10	30	50	80	100	120
load profile [1]		-	XXS	XXS	S	M	M	M	L
ErP	polystyrene foam	-	B	B	-	-	-	-	-
	polyurethane foam	-	-	-	C	C	C	C	C
voltage		V~	230	230	230	230	230	230	230
electric heater power		kW	1,5	1,5	1,5	2,0	2,0	2,0	2,0
tank's maximum working pressure		MPa	0,6	0,6	0,6	0,6	0,6	0,6	0,6
range of working temperatures		°C	30-75	30-75	30-65	30-65	30-65	30-65	30-65
est. time to warm up the water to 40°C		h	0,1	0,2	0,7	0,9	1,4	1,7	2,1
est. time to warm up the water to 65°C		h	0,2	0,4	1,3	1,6	2,5	3,0	3,3
magnesium anode - M8 screw		mm	20x100	20x100	20x200	20x200	20x200	20x200	20x200
dimensions of the SG Fox 5-10	height	mm	385	435	-	-	-	-	-
	width	mm	250	290	-	-	-	-	-
	depth	mm	215	270	-	-	-	-	-
L - height		mm	-	-	550	540	790	945	1110
D - diameter		mm	-	-	360	440	440	440	440
R - spacing		mm	80	80	100	100	100	100	100
dimension A		mm	-	-	160	172	172	172	172
dimension B		mm	-	-	260	260	260	260	260
net weight		kg	4,5	6,5	15	19	24	30	33

scheme - SG Fox 5-10 (above-basin)

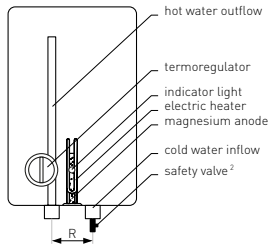


fig. 65

scheme - SG Fox 30-120 (wall-mounted)

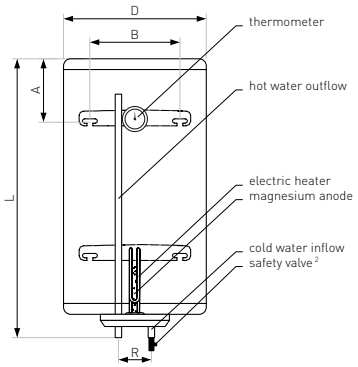


fig. 66

INDIRECT WATER HEATERS WITH A SPIRAL COIL
TYPE SGW(S) NEPTUN² KOMBI

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

specification		unit	SGW(S) Neptun² 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		m²	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	2,0	2,0	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	1,4	1,8	1,9	2,2
demand for heating water from CH boiler		m³/h	2,5	2,5	2,5	2,6
magnesium anode	bottom cover (M8 screw)	mm	25x390	25x390	25x390	25x390
h1 - CH water outflow (int. thread)		" / mm	3/4 / 250	3/4 / 250	3/4 / 250	3/4 / 250
h2 - sensor cover I (Ø)		" / mm	3/8 / 375	3/8 / 375	3/8 / 375	3/8 / 375
h3 - circulation (int. thread)		" / mm	3/4 / 480	3/4 / 480	3/4 / 480	3/4 / 480
h4 - CH hot water inflow (int. thread)		" / mm	3/4 / 650	3/4 / 650	3/4 / 750	3/4 / 750
h5 - sensor cover II (Ø) [3]		" / mm	-	-	3/8 / 875	3/8 / 875
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

scheme - SGW(S) Neptun² Kombi (right version)

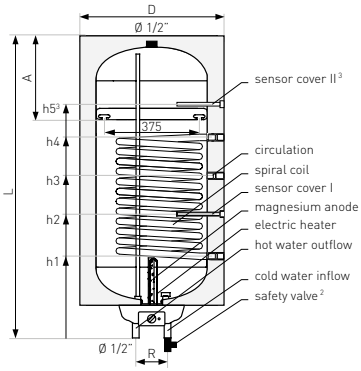


fig. 67

[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.

Galmet Nº1 water heaters in Poland

Galmet 24 months warranty*

pic. 49
Fox 5
below-basin
version

pic. 50
Fox 5
above-basin
version

SG Fox 5-10 (below-basin and above-basin)

cat. no.	type	description	EAN code
01-005070FOX	5	polystyrene foam, ABS casing, electric heater, ceramic enamel, magnesium anode, safety valve (below-basin, pressure version)	5901224218132
01-010070FOX	10		5901224218149
01-005970FOX	5	polystyrene foam, ABS casing, electric heater, ceramic enamel, magnesium anode, safety valve (above-basin, pressure version)	5901224218125
01-010970FOX	10		5901224218156

SG Fox 30-120 (wall-mounted)

cat. no.	type	description	EAN code
01-030000	30	polyurethane foam, ABS casing, electric heater, ceramic enamel, magnesium anode	5901224215353
01-050000	50		5901224214776
01-080000	80		5901224214783
01-100000	100		5901224200991
01-120000	120		5901224201165

Advantages of the Fox

- Capacity from 5 to 120 l.
- Small dimensions and the possibility of installation both above and below the washbasin (Fox 5-10).
- Insulation: polystyrene foam (types 5-10) or polyurethane (types 30-120).
- 1,5 kW (5-30) or 2 kW (50-120) electric heater.
- Manual control.
- Additional protection with magnesium anode.

pic. 51
Fox 80

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		5901224413483
06-084671	80	spiral coil, polyurethane foam, metal casing, electric heater, EXTRA GLASS® ceramic enamel, magnesium anode (left version)	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: pellet (f.ex. Genesis Plus KPP), 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.

pic. 52
SGW(S) Neptun² Kombi (left version)

pic. 53
Neptun² Elektronik
controller

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.

To maintain proper efficiency we recommend periodic replacement of the **magnesium anodes** - more information on page 59.

* Details in the warranty card.

ELECTRICAL SETS

Technical specification - electrical sets with a plug

specification	unit	MB electrical sets				Selfa electrical sets		
heater power	kW	2	3	2	3	2	2	2
voltage	V	230		230		230		
range of working temp.	°C	20 ÷ 70		20 ÷ 70		20 ÷ 70		
head thread	"	5/4		6/4		5/4	6/4	6/4
submerging length	mm	370	360	370	360	310	360	305
protection	A	16		16		16		
connection cable	mm²	3 x 1		3 x 1		3 x 1		
cold zone	mm	55		55		55		
protection class	IP	44		44		44		
control	-	manual		manual		manual	manual	Wi-Fi

specification	unit	Selfa Wi-Fi electrical sets
heater power	kW	2
voltage	V	230
range of working temp.	°C	15[1] ÷ 75
head thread	"	6/4
submerging length	mm	305
protection	A	16
cold zone	mm	~65

specification	unit	manual electrical sets			
heater power	kW	4,5	6	9	12
voltage	V	230 / 400			
range of working temp.	°C	7,5 (±6[2]) ÷ 75 (±3)			
overheating protection	°C	98 (0/-8)			
head thread	"	6/4			
submerging length	mm	400 (±10)	500 (±10)	680 (±15)	750 (±15)
protection	A	10	16	16	20
connection cable	mm²	5 x 1,5	5 x 1,5	5 x 2,5	5 x 4
cold zone	mm	~95			
protection class	IP	44			

Technical specification - electrical sets with a Ø 180 flange

specification	unit	electrical sets with a Ø 180 flange					
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)			
flange Ø	mm	180		180			
submerging length	mm	450	500	450	450	500	500
protection	A	16		10	16	16	20
connection cable	mm²	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 with a Ø 280 flange

specification	unit	electrical sets with a Ø 280 flange			
heater power	kW	9	12	18	24
voltage	V	230 / 400		3/PE ~ 400V	
range of working temp.	°C	25 ÷ 77 (±5)			
flange Ø	mm	280			
submerging length	mm	500	500	650	650
protection	A	20	20	32	35
connection cable	mm²	5 x 2,5	5 x 2,5	5 x 4	5 x 6
cold zone	mm	80			
protection class	IP	24			

scheme - 2-3 kW electrical set with a plug

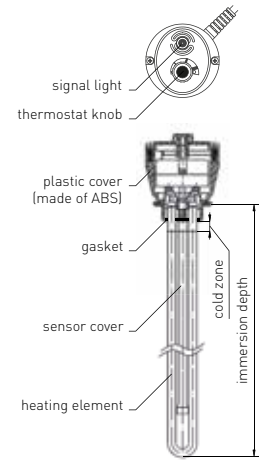


fig. 68

scheme - 4,5-9 kW electrical set with a plug

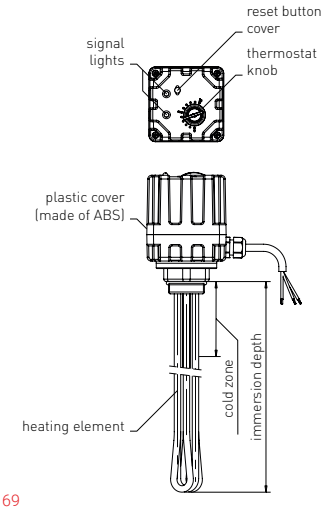


fig. 69

electrical sets with a flange

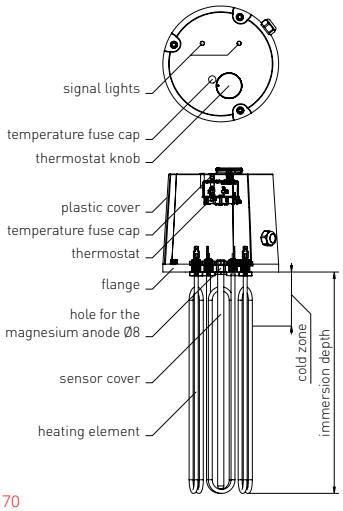


fig. 70

[1] Anti-freeze function to maintain the water temperature in the tank at +10°C.
[2] Anti-freeze function to maintain the water temperature in the tank at +7,5°C (±6°C).

Electrical sets with a plug

cat. no.	description	EAN code
41-020001	Electrical set with a 2 kW heater 230 V MB - K5/4"	5901224800023
41-020002	Electrical set with a 2 kW heater 230 V Selfa - K5/4"	5901224832710
41-020011	Electrical set with a 2 kW heater 230 V MB - K6/4"	5901224800030
41-020012	Electrical set with a 2 kW heater 230 V Selfa - K6/4"	5901224818882
41-020015	Electrical set Wi-Fi with a 2 kW heater 230 V Selfa - K6/4"	5901224842740
41-030001	Electrical set with a 3 kW heater 230 V MB - K5/4"	5901224802461
41-030011	Electrical set with a 3 kW heater 230 V MB - K6/4"	5901224802577
41-045011	Electrical set with a 4,5 kW heater 400 V - K6/4"	5901224841040
41-060011	Electrical set with a 6 kW heater 400 V - K6/4"	5901224841057
41-090016	Electrical set with a 9 kW heater 400 V - K6/4"	5901224842788
41-120011	Electrical set with a 12 kW heater 400 V - K6/4"	5901224841071
41-045015	Electrical set with a 4,5 kW heater 400 V - K6/4" Elektronik	5901224803826
41-060015	Electrical set with a 6 kW heater 400 V - K6/4" Elektronik	5901224803833

pic. 54
MB electrical set 2-3 kW

Electrical sets with a Ø 180 flange

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

pic. 55
electrical set
Wi-Fi 2 kW

pic. 56
electrical set
9 kW

Electrical sets with a Ø 280 flange

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

pic. 57
electrical set 4,5-12 kW
with a Ø 180 flange

Selection table of the electrical sets

submerging length [mm]	370	310	360	370	360	305	360	410	480	450	500	450	450	500	500	500	500	650	650	400	500	680	750
installation	5/4" plug			6/4" plug						Ø 180 flange						Ø 280 flange				6/4" plug			
catalogue number	41-020001	41-020002	41-030001	41-020011	41-020012	41-020015	41-030011	41-045015	41-060015	41-020021	41-030021	41-045021	41-060021	41-090021	41-120021	41-090020	41-120020	41-180020	41-240020	41-045016	41-060016	41-090016	41-120016
voltage [V]	230			230				400		230		400				400				400			
heater power [kW]	2,0	2,0	3,0	2,0	2,0	2,0	3,0	4,5	6,0	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
SGW(L)x2, SGW(L)P, SG-BW 80-140	●	●	●																				
SGW(S) Rondo Premium 120-140	●	●	●																				
SG(S) Fusion 100	●	●	●																				
SGW(S) Vulcan Kombi 100-140 (stojący)		●																					
SGW(S) Vulcan Kombi 200 (stojący)				●	●	●	●	●												●			
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 m^2 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				●	●	●	●	●	●	●	●	●	●	●	●					●	●		
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 250-350										●	●	●	●										
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 200-300				●	●	●	●	●	●											●			
SG(B) with spiral coil 400-500				●	●	●	●	●	●											●	●		
SG(B) with spiral coil 800-2000								●	●											●	●	●	●
SG(B) with 2 spiral coils 400-500				●	●	●	●	●	●											●	●		
SG(B) with 2 spiral coils 800-2000								●	●											●	●	●	●
SG(B) with maximum size spiral coil 200-300				●	●	●	●	●	●											●			
SG(B) with maximum size spiral coil 400-500				●	●	●	●	●	●											●	●		
SG(B) with maximum size spiral coil 800-1000																●	●	●	●				
SG(B) with 2 maximum size spiral coils 800-1000													●	●	●								

MAGNESIUM AND TITANIUM ANODES

pic. 58
magnesium anode with a M8 screw

pic. 59
magnesium anode with a 5/4" plug

pic. 60
titanium anode with a power adapter

pic. 61
brass plug

pic. 62
O-ring

List of anodes and spare parts

no.	cat. no.	description	EAN code
1	M-010527	Active titanium anode (small) with a power adapter and a 5/4" plug (E-L)	5901224076299
2	M-010927	Active titanium anode (single large) with a power adapter and a 5/4" plug	5901224080401
3	M-000650	Active titanium anode (single large) with a power adapter and a M8 screw (without a plug)	5901224000379
4	M-000355	Active titanium anode (small) with a power adapter and a M8 screw (without a plug)	5901224000331
5	M-004420	Active titanium anode (double large) with a power adapter and a M8 screw (without a plug)	5901224000645
6	M-007342	Active titanium anode (double large Maxi) with a power adapter and a M8 screw	5901224034213
7	M-000004	Magnesium anode Ø25x310 with a M8 screw	5901224000027
8	40-262300	Magnesium anode Ø25x390 with a 5/4" brass plug	5901224801914
9	M-000005	Magnesium anode Ø25x390 with a M8 screw	5901224000034
10	40-262302	Magnesium anode Ø25x550 with a 5/4" brass plug	5901224810718
11	M-000628	Magnesium anode Ø25x550 with a M8 screw	5901224001390
12	40-262400	Magnesium anode Ø33x200 with a 5/4" brass plug	5901224811784
13	M-004587	Magnesium anode Ø33x200 with a M8 screw	5901224000652
14	40-262500	Magnesium anode Ø33x250 with a 5/4" brass plug	5901224811296
15	M-004588	Magnesium anode Ø33x250 with a M8 screw	5901224001918
16	M-005148	Magnesium anode Ø38x200 with a M8 screw	5901224000669
17	40-263800	Magnesium anode Ø38x400 with a 5/4" brass plug	5901224802508
18	M-001803	Magnesium anode Ø38x400 with a M8 screw	5901224000386
19	40-263900	Magnesium anode Ø38x600 with a 2" brass plug	5901224805950
20	40-263901	Magnesium anode Ø38x600 with a 5/4" brass plug	5901224812927
21	M-001804	Magnesium anode Ø38x600 with a M8 screw	5901224000393
22	R-000455	Socket wrench 38 mm for magnesium anodes with a 5/4" plug	5901224840012
23	40-005500	Socket wrench 56-75 mm for magnesium anodes with a 2" plug	5901224809255
24	40-300106	Brass plug 2" with a Ø 8 mm hole	5901224807145
25	M-006728	Brass plug 2" with a Ø 10 mm hole for mounting the titanium anode	5901224002960
26	M-006900	Brass plug 5/4" with Ø 8,2 mm hole	5901224014611
27	40-300107	Brass plug 5/4" with Ø 10 mm hole for mounting the titanium anode	5901224811913
28	M-008690	O-ring 2"	5901224051029
29	M-000075	O-ring 5/4"	5901224000294
30	M-008674	O-ring 6/4"	5901224052507
31	M-014077	M8 screw with washer for plugging the hole after dismantling the magnesium anode	5901224606564

Magnesium and titanium anode selection table

Anode type	magnesium anode															titanium anode				
Plug / M8 screw	M8 screw (without a plug)						5/4" plug							2" plug		M8 screw (without a plug)			5/4" plug	
Anode size	25x310	25x390	25x550	38x200	38x400	38x400 z gw. o dł. 20 mm	25x310	25x390	25x550	33x200	33x250	38x400	38x600	38x400	38x600	small L-200 with a power adapter[1]	double large with a power adapter	double large Maxi with a power adapter	small L-200 with a power adapter	large L-370 with a power adapter
Water heater type / anode catalogue number	M-000004	M-000005	M-000628	M-005148	M-001803	M-012330	40-262200	40-262300	40-262302	40-262400	40-262500	40-263800	40-263901	40-263500	40-263900	M-000355	M-004420	M-007342	M-010527	M-010927
SGW(L)x2 80-100 / SGW(L)P 80-100 / SG-BW 80-100										●						●			●	
SGW(L)x2 120-140 / SGW(L)P 120-140 / SG-BW 120-140											●					●			●	
SGW(L)x2 200-300														●		●				
SG Neptun² 50-80	●															●				
SG Neptun² 140		●														●				
SGW(S) Neptun² Kombi 80-140		●														●				
SGW(S) Mini Tower 100-140								●								●			●	
SGW(S) Vulcan Kombi 100-140 (wall-mounted)			●													●				
SGW(S) Vulcan Kombi 100-140 (floor-standing)									●							●			●	
SGW(S) Vulcan Kombi 200												●				●			●	
SGW(S) Rondo Premium 120-140												●				●			●	
SG(S) Fusion 100								●								●			●	
SGW(S) Tower (ErP A) 200-300				● r								● g				●			●	
SGW(S)B Tower Biwal (ErP A) 200-300				● r								● g				●			●	
SGW(S) Tower 200-300				● r								● g				●			●	
SGW(S) Tower 400				● r									● g							●
SGW(S) Tower 500				● r									● g							●
SGW(S)Big Tower 700						● r									● g		●			
SGW(S)Big Tower 1000-1500						● r									● g		●			
SGW(S) Tower Slim 200-300				● r								● g				●			●	
SGW(S) Tower Slim 800-1000												● d			● g		●			
SGW(S)B Tower Biwal 200-300				● r								● g				●			●	
SGW(S)B Tower Biwal 400				● r									● g							●
SGW(S)B Tower Biwal 500				● r									● g							●
SGW(S)B Big Tower Biwal 700-1000						● r									● g		●			
SGW(S)B Big Tower Biwal 1500						● r									● g			●		
SGW(S)B Tower Biwal Slim 200-300				● r								● g				●			●	
SGW(S)B Tower Biwal Slim 800-1000												● d			● g		●			
SGW(S) Maximus 300				● r									● g							●
SGW(S) Maxi 250				● r									● g			●			●	
SGW(S) Maxi 300-400				● r									● g							●
SGW(S) Maxi 500					● r								● g							●
SGW(S) Maxi 700-1000 (6,5 m²)						● r									● g		●			
SGW(S) Maxi 800 (9,0 m²), 1000 (12,0 m²)																		●		
SGW(S) Tower Grand 160-250				● r								● g				●			●	
SGW(S) Tower Grand 300				● r								● g								●
SGW(S) Tower Grand 400				● r									● g							●
SGW(S) Tower Grand 500				● r									● g							●
SGW(S)B Tower Biwal Max 200-300				● r								● g				●			●	
SGW(S)B Tower Biwal Max 400					● r								● g							●
SGW(S)B Tower Biwal Max 500					● r								● g							●
SGW(S)M Tower Multi 300				● r								● g								●
SGW(S)M Tower Multi 400					● r							● g								●
SGW(S)M Tower Multi 500					● r								● g							●
SGW(S)B Maxi Plus 300				● r									● g							●
SGW(S)B Maxi Plus 400					● r								● g							●
SGW(S)B Maxi Plus 500					● r								● g							●
SGW(S)B Maxi Plus 800 (7,5/2,0 m²)																		●		
SGW(S)B Maxi Plus 1000 (9,0/3,0 m²)																		●		
SG(K) Kumulo with 1/2/without spiral coils 300/80-1000/200												● g				●			●	
SG(K) Complete 250				● r								● g				●			●	
SG(S) Tower Acu 100-140							● g									●			●	
SG(S) Tower Acu 200-300												● g				●			●	
SG(S) Tower Acu 400-500				● r								● g								●
SG(S) Tower Acu 700												● d			● g		●			
SG(S) Tower Acu 1000-1500												● d			● g		●			
SG(S) Tower Acu 2000-3000 (2 titanium anodes)																		●		
Basic 200 heat pump (two replaceable anodes)											●									
Basic 270 heat pump (one replaceable anode)												●								
Basic 300 heat pump (one replaceable anode)												●								
Spectra 200 heat pump (two replaceable anodes)											●									
Spectra Smart 200 heat pump (titanium anode)																●			●	

[1] Pay attention to the method of mounting the anode in the tank, i.e. flange Ø 125 mm, 5/4" plug or 2" plug (installation hole Ø 10 mm).

Legend:
- ● g - anode in the top of the tank
- ● d - anode in the bottom of the tank
- ● r - anode in the inspection hole
- ● - titanium anode
- ● - one or two designated anodes (according to description)

CUSTOM-MADE WATER HEATERS

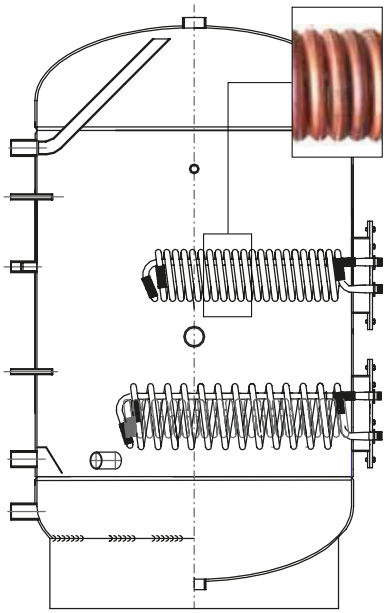
custom-made heat recovery vessels

pic. 63

Available types: 80, 100, 120, 140

- surface 0,9 m^2
- refrigerant R134a
- tank's max. working pressure 25 bar

water heaters with tinned copper coils

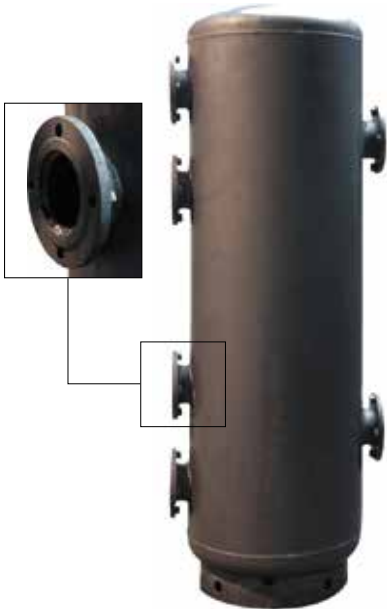


pic. 64

It is possible to install additional corrugated, tinned copper coils on flanges in water heaters from 200 to 1500:

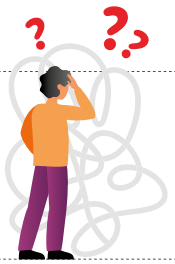
1,0 m^2 / 1,8 m^2 / 2,3 m^2 / 3,6 m^2 / 4,5 m^2

buffers with flanged connections



pic. 65

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; white color is also available (cat. no. 70 tip).

ACCESSORIES AND SPARE PARTS FOR WATER HEATERS

no.	cat. no.	description	EAN code
1	M-010527	Active titanium anode (small) with a power adapter and a 5/4" plug (E-L)	5901224076299
2	M-010927	Active titanium anode (single large) with a power adapter and a 5/4" plug	5901224080401
3	M-000650	Active titanium anode (single large) with a power adapter and a M8 screw (without a plug)	5901224000379
4	M-000355	Active titanium anode (small) with a power adapter and a M8 screw (without a plug)	5901224000331
5	M-004420	Active titanium anode (double large) with a power adapter and a M8 screw (without a plug)	5901224000645
6	M-007342	Active titanium anode (double large Maxi) with a power adapter and a M8 screw - only for SGW(S)B 1500 (without a plug)	5901224034213
7	M-007910	Magnesium anode Ø18x40 on a rod 85 with a M6 screw, Mars	5901224037559
8	M-003053	Magnesium anode Ø18x40 with a M6 screw	5901224000492
9	M-006333	Magnesium anode Ø22x40 on a rod 160 mm M6, 5-10 l	5901224001574
10	M-006316	Magnesium anode Ø25x190 on a rod 200 mm M6, Longer 50-80 l	5901224001376
11	40-262200	Magnesium anode Ø25x310 with a 5/4" brass plug	5901224801891
12	M-000004	Magnesium anode Ø25x310 with a M8 screw	5901224000027
13	40-263300	Magnesium anode Ø25x390 with a 2" brass plug	5901224801945
14	40-262300	Magnesium anode Ø25x390 with a 5/4" brass plug	5901224801914
15	M-000005	Magnesium anode Ø25x390 with a M8 screw	5901224000034
16	M-006317	Magnesium anode Ø25x80 on a rod 200 mm M6, Longer 30 l	5901224001901
17	40-262302	Magnesium anode Ø25x550 with a 5/4" brass plug, SGW(S) Vulcan Kombi 100-140 l	5901224810718
18	M-000628	Magnesium anode Ø25x550 with a M8 screw, SGW(S) Vulcan Kombi 100-140 l	5901224001390
19	40-262400	Magnesium anode Ø33x200 with a 5/4" brass plug	5901224811784
20	M-004587	Magnesium anode Ø33x200 with a M8 screw	5901224000652
21	40-262500	Magnesium anode Ø33x250 with a 5/4" brass plug	5901224811296
22	M-004588	Magnesium anode Ø33x250 with a M8 screw	5901224001918
23	M-005148	Magnesium anode Ø38x200 with a M8 screw	5901224000669
24	40-263500	Magnesium anode Ø38x400 with a 2" brass plug	5901224801976
25	40-263800	Magnesium anode Ø38x400 with a 5/4" brass plug	5901224802508
26	M-001803	Magnesium anode Ø38x400 with a M8 screw	5901224000386
27	40-263900	Magnesium anode Ø38x600 with a 2" brass plug	5901224805950
28	40-263901	Magnesium anode Ø38x600 with a 5/4" brass plug	5901224812927
29	M-001804	Magnesium anode Ø38x600 with a M8 screw	5901224000393
30	M-000010	Below-basin three-way tap (with hoses)	5901224000089
31	M-010259	Electronic controller Neptun² Elektronik (ST-384 - new type)	5901224072567
32	M-006383	Electronic controller Neptun Elektronik (ST-383 - old type)	5901224013201
33	M-007138	Electronic controller Vulcan Elektronik Pro (ST-385)	5901224050022
34	40-130315	Heater 1,5 kW 230 V for enamelled tank on flange Ø 125 mm / 5 screws (since 09.2017)	5901224824593
35	40-130313	Heater 1,5 kW 230 V for enamelled tank on flange Ø 125 mm / 5 screws with Ø 10 mm hole (since 09.2017)	5901224839702
36	40-130300	Heater 1,5 kW 230 V for enamelled tank on flange Ø 125 mm / 5 screws, without anode	5901224800764
37	40-130301	Heater 1,5 kW 230 V for enamelled tank on flange Ø125 mm / 6 screws, without anode	5901224800771
38	40-130400	Heater 1,5 kW 230 V 5/4" plug	5901224800818
39	M-006281	Heater 1,5 kW 230 V 5/4" plug + probe (5,10, Mars)	5901224001413
40	40-130615	Heater 2 kW 230 V for enamelled tank on flange Ø 125 mm / 5 screws (since 09.2017)	5901224824609
41	40-130613	Heater 2 kW 230 V for enamelled tank on flange Ø 125 mm / 5 screws with Ø 10 mm hole (since 09.2017)	5901224839627
42	40-130600	Heater 2 kW 230 V for enamelled tank on flange Ø125 mm / 5 screws, without anode	5901224800887
43	40-130601	Heater 2 kW 230 V for enamelled tank on flange Ø125 mm / 6 screws, without anode	5901224800894
44	40-130607	Heater 2 kW 230 V for enamelled tank on flange Ø 125 mm / 5 screws, steel lid (before 10.2017 and after 02.2024)	5901224820687
45	40-130609	Heater 2 kW 230 V for enamelled tank on flange Ø 125 mm / 5 screws, steel lid (between 10.2017 and 02.2024)	5901224828034
46	40-130610	Heater for an electrical set 2 kW 230 V flange Ø 180	5901224800900
47	40-130620	Heater for an electrical set 3 kW 230 V flange Ø 180	5901224805875
48	40-132400	Heater for an electrical set 4,5 kW (3*1,5 kW) flange Ø 180	5901224801068
49	40-132300	Heater for an electrical set 6 kW (3*2 kW) flange Ø 180	5901224801051
50	40-131710	Heater for an electrical set 9 kW (3*3 kW) flange Ø 180	5901224802621
51	40-131810	Heater for an electrical set 12 kW (3*4 kW) flange Ø 180	5901224801020
52	40-131910	Heater for an electrical set 18 kW (3*6 kW) flange Ø 180	5901224801044
53	40-132010	Heater for an electrical set 24 kW (3*8 kW) flange Ø 180	5901224803154
54	R-000455	Socket wrench 38 mm for magnesium anodes with a 5/4" plug	5901224840012
55	40-005500	Socket wrench 56-75 mm for magnesium anodes with a 2" plug	5901224809255
56	41-020001	Electrical set with a 2 kW heater 230 V MB - K5/4"	5901224800023
57	41-020002	Electrical set with a 2 kW heater 230 V Selfa - K5/4"	5901224832710
58	41-020011	Electrical set with a 2 kW heater 230 V MB - K6/4"	5901224800030
59	41-020012	Electrical set with a 2 kW heater 230 V Selfa - K6/4"	5901224818882
60	41-020015	Electrical set Wi-Fi with a 2 kW heater 230 V Selfa - K6/4"	5904496142815
61	41-030001	Electrical set with a 3 kW heater 230 V MB - K5/4"	5901224802461
62	41-030011	Electrical set with a 3 kW heater 230 V MB - K6/4"	5901224802577
63	41-045011	Electrical set with a 4,5 kW heater 400 V - K6/4"	5901224841040
64	41-060011	Electrical set with a 6 kW heater 400 V - K6/4"	5901224841057
65	41-090016	Electrical set with a 9 kW heater 400 V - K6/4"	5904496142488
66	41-120011	Electrical set with a 12 kW heater 400 V - K6/4"	5901224841071
67	41-045015	Electrical set with a 4,5 kW heater 400 V - K6/4" Elektronik	5901224803826
68	41-060015	Electrical set with a 6 kW heater 400 V - K6/4" Elektronik	5901224803833
69	41-020021	Electrical set with a 2 kW heater 230V with a Ø 180 mm flange	5901224835995
70	41-030021	Electrical set with a 3 kW heater 230V with a Ø 180 mm flange	5901224835957
71	41-045021	Electrical set with a 4,5 kW heater 400V with a Ø 180 mm flange	5901224835919
72	41-060021	Electrical set with a 6 kW heater 400V with a Ø 180 mm flange	5901224835872

no.	cat. no.	description	EAN code
73	41-090021	Electrical set with a 9 kW heater 400V with a Ø 180 mm flange	5901224835858
74	41-120021	Electrical set with a 12 kW heater 400V with a Ø 180 mm flange	5901224835834
75	41-090020	Electrical set with a 9 kW heater 400V with a Ø 280 mm flange	5901224818844
76	41-120020	Electrical set with a 12 kW heater 400V with a Ø 280 mm flange	5901224813702
77	41-180020	Electrical set with a 18 kW heater 400V with a Ø 280 mm flange	5901224813719
78	41-240020	Electrical set with a 24 kW heater 400V with a Ø 280 mm flange	5901224813726
79	M-005046	Brass plug 1/2"	5901224002977
80	M-006330	Brass plug 2"	5901224002953
81	40-300106	Brass plug 2" with a Ø 8 mm hole	5901224807145
82	M-006728	Brass plug 2" with a Ø 10 mm hole for mounting the titanium anode	5901224002960
83	M-006329	Brass plug 5/4"	5901224001741
84	M-006900	Brass plug 5/4" with Ø 8,2 mm hole	5901224014611
85	40-300107	Brass plug 5/4" with Ø 10 mm hole for mounting the titanium anode	5901224811913
86	M-005550	Brass plug 6/4"	5901224002984
87	40-140432	Heater control module SGW(S) Vulcan Kombi Elektronik	5901224819339
88	40-140201	Heater control module do 2 kW 230 V, large cover	5901224801297
89	40-140202	Heater control module 3 kW, 230 V, large cover	5901224805943
90	40-140500	Heater control module 4,5 kW and 6 kW 400 V	5901224801327
91	40-140700	Heater control module 9 kW 400 V	5901224802638
92	40-140800	Heater control module 12 kW 400 V	5901224801358
93	40-140900	Heater control module 18 kW 400 V	5901224801365
94	40-141000	Heater control module 24 kW 400 V	5901224801372
95	40-140200	Heater control module do 2 kW 230 V, small cover	5901224801280
96	M-009814	Plastic sleeve ext. thread 1"	5901224066849
97	M-009815	Plastic sleeve ext. thread 3/4"	5901224066856
98	M-008880	Temperature limiter 16A, up to 3 kW 230 V capillary	5901224053696
99	M-000016	Temperature limiter BOT 10A, up to 2 kW 230 V bimetallic	5901224000119
100	M-008690	O-ring 2"	5901224051029
101	M-000075	O-ring 5/4"	5901224000294
102	M-008674	O-ring 6/4"	5901224052507
103	M-006559	Sensor cover (probe) copper 1/2" L=100	5901224008573
104	M-012049	Sensor cover (probe) copper 1/2" L=130	5901224083655
105	M-006497	Sensor cover (probe) copper 1/2" L=200	5901224001437
106	40-300207	Metal flange lid 125 mm with 5/4" coupling - 5 holes	5901224802133
107	40-300208	Metal flange lid 125 mm with 5/4" coupling - 6 holes	5901224802140
108	40-300253	Metal flange lid 125 mm with 6/4" coupling - 5 holes	5901224831607
109	40-300209	Metal flange lid 125 mm with 6/4" coupling - 6 holes	5901224803925
110	40-300212	Metal flange lid 180 mm - full	5901224802676
111	40-300230	Flange lid Ø 180 mm with 6/4" coupling and a Ø 10 mm hole for mounting the titanium anode - steel	5901224802171
112	40-300283	Flange lid Ø 180 mm with a Ø 10 mm hole for mounting the titanium anode - steel	5901224812194
113	40-300239	Flange lid Ø 180 mm with a Ø 10 mm hole for mounting the titanium anode - steel	5901224811920
114	M-014077	M8 screw with washer for plugging the hole after dismantling the magnesium anode	5901224606564
115	M-000037	Bimetal thermometer 66/G P/8 1/2" + 60 mm copper sheath	5901224000225
116	M-013616	Bimetal thermometer 66/G P/8 1/2" + 100 mm copper sheath	5901224088865
117	M-005267	Thermostat EGO 4,5-12 kW 400 V	5901224001123
118	M-000041	Professional thermostat for control from the central heating boiler.	5901224000263
119	40-500108	Flange gasket Ø 180 mm with a hole for mounting the magnesium anode (before 02.2018)	5901224802263
120	M-006536	Flange gasket Ø 180 mm (before 02.2018)	5901224001642
121	M-013408	Flange gasket Ø 180 mm with a hole for mounting the magnesium anode (since 03.2018)	5901224088094
122	M-013249	Flange gasket Ø 180 mm (since 03.2018)	5901224087431
123	40-500110	Gasket Ø 96 mm for a flange Ø 125 mm - 5 or 6 screws (before 09.2017)	5901224802270
124	40-500121	Gasket Ø 125/62 mm for a flange Ø 125 mm with 5/4" coupling - 5 screws	5901224813832
125	40-500111	Gasket Ø 96 mm for a flange with a heater ext. Ø 125 mm	5901224802287
126	40-500122	Gasket Ø 96/65 mm for a flange Ø 125 mm with 5/4" or 6/4" coupling - 6 screws	5901224813849
127	40-500118	Gasket Ø 125 mm (with a Ø 8 mm hole for mounting the anode)	5901224812200
128	40-500120	Flange gasket Ø 180 mm with three heaters	5901224812279
129	M-005377	Flange gasket Ø 260 mm for combined heat accumulation vessels	5901224010538
130	M-005893	Flange gasket with heater Ø ext. 125 mm / 5 screws	5901224007507
131	M-010442	Flange gasket with heater Ø ext. 125 mm - new type (since 10.2017)	5901224075278
132	40-501210	Tinned copper coil 1,0 m² (with enamelled flange Ø 280 + gasket)	5901224810145
133	40-501218	Tinned copper coil 1,8 m² (with enamelled flange Ø 280 + gasket)	5901224810152
134	40-501223	Tinned copper coil 2,3 m² (with enamelled flange Ø 280 + gasket)	5901224809897
135	40-501236	Tinned copper coil 3,6 m² (with enamelled flange Ø 280 + gasket)	5901224810169
136	40-501245	Tinned copper coil 4,5 m² (with enamelled flange Ø 280 + gasket)	5901224810176
137	40-501263	Tinned copper coil 6,3 m² (with enamelled flange Ø 280 + gasket)	5901224834981
138	M-000043	Safety valve 6 bar 1/2" ZB-4	5901224000270
139	M-000413	Safety valve 6 bar 1/2" ZB-4 Slim	5901224001017
140	M-000044	Safety valve 6 bar 3/4" ZB-8	5901224000287
141	M-006881	Safety valve 9 bar 3/4" ZB-8	5901224012761

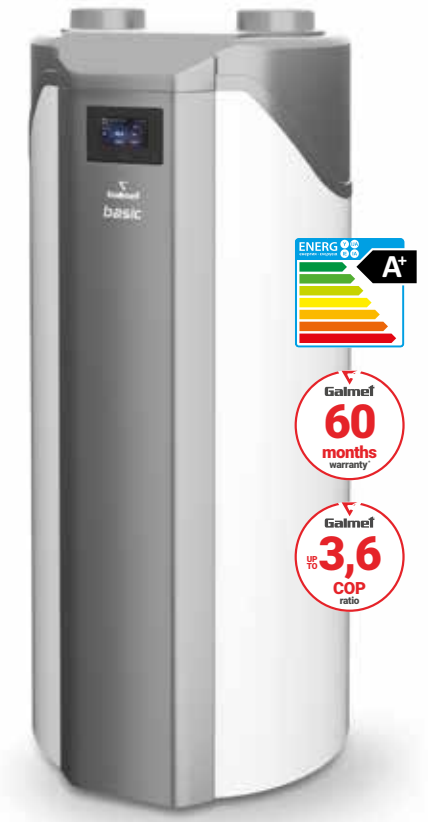
Made in Poland

HEAT PUMPS

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

- Efficiency increased by 28%. [1]
- COP value: up to 3,6 [2] - 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

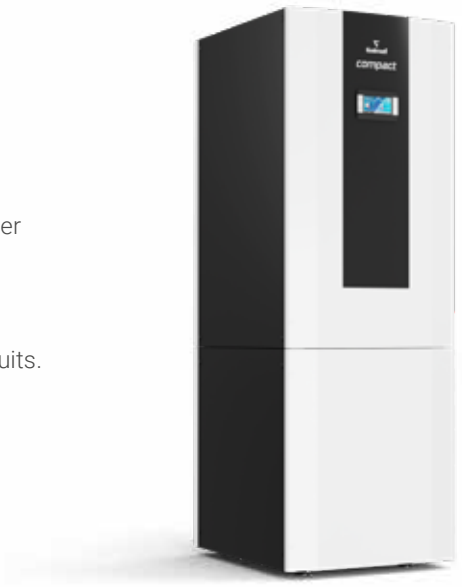
Technical specification of the Basic heat pump

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
EAN code	-	5901224087103	5901224089862	5901224089893
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.
- Ability to obtain grants in Germany - included on the BAFA list.
- 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.



Maxima Compact 7-12GT

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.

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
EAN code		-	5901224082887	5901224082894	5901224082917
heating power	(B0W35)[1]	kW	7,3	9,9	12,5
electrical power		kW	1,7	2,2	2,8
COP		-	4,3	4,5	4,5
heating power	(B0W55)[1]	kW	6,9	9,2	11,8
electrical power		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	180
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	130
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 2		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.
2 According to the EN 12102 norm.

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

- High COP value: up to 4,5 (B0W35).[1]
- 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
EAN code		-	5901224768569	5901224768576	5901224768583	5901224766626
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	moderate climate (W35)	-	4,6	4,6	4,7	4,6
central heating's seasonal energy efficiency		%	174	178	180	177
ErP energy efficiency class		-	A++	A+++	A+++	A+++
SCOP	moderate climate (W55)	-	3,3	3,4	3,5	3,6
central heating's seasonal energy efficiency		%	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

* 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.

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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 equipment[2]:
  - 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
EAN code		-	5901224784095	5901224775611	5901224784101	5901224780578
heating power	(B0W35)[1]	kW	19,6	28,1	32,9	41,3
electrical power		kW	4,3	6,0	7,5	9,1
COP		-	4,6	4,7	4,4	4,5
heating power	(B0W55)[1]	kW	20,1	28,2	34,1	41,9
electrical power		kW	6,7	9,4	12,0	13,6
COP		-	3,0	3,0	2,9	3,1
SCOP	moderate climate (W35)	-	4,6	4,8	4,6	4,7
central heating's seasonal energy efficiency		%	176	183	176	180
ErP energy efficiency class		-	A+++	A+++	A+++	A+++
SCOP	moderate climate (W55)	-	3,8	3,8	3,6	3,8
central heating's seasonal energy efficiency		%	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 - *airmax³ 7-12GT*

- Power intelligently matched to energy-efficient and modernized houses.
- Reverse system - 3 functions in 1 device - house heating, cooling and DHW heating.
- Ability to obtain grants in Germany - included on the BAFA list.
- COP = 5,2 (Airmax³ 12GT - A7W35). [1]
- Constant supply temperature up to 68°C (for air temperature from -5°C to 20°C).
- Ecological refrigerant R290 (GWP=3).
- Up to 21% more efficient - compared to the previous generation.
- Easy and fast installation - monobloc heat pump - hermetic heat pump system; without drilling or digging up the plot.
- Integration with the Sinum smart home system.
- Optional equipment [2]:
  - Plate heat exchanger (glycol-water) for existing water installation.
  - Wireless room sensor.
  - Additional wireless room sensor.
  - Dedicated drip tray for condensate.
  - Base (frame) for the heat pump.
  - Dirt separator 1".

Airmax³ 7GT

In standard with the device:

- Internet module - operation via a browser or access via a smartphone application.
- Complete set for CH and DHW with Gbox module or Onebox hydraulic cabinet indoor units.
- Temperature sensors for the buffer tank, domestic hot water, two heating circuits and outdoor air.
- Wireless room sensor (1 pc.).

Technical specification of the Airmax³ 7÷12GT heat pump

specification		unit	Airmax³ 7GT (2-9 kW)	Airmax³ 12GT (3-15 kW)
heating power modulation range		kW	2 - 9	3 - 15
heating power	A7W35 [1]	kW	4,8	6,1
COP		-	5,0	5,2
heating power	A2W35 [1]	kW	2,9	4,0
COP		-	4,0	4,4
heating power	A7W55 [1]	kW	4,3	5,5
COP		-	3,0	3,3
outdoor air temperature range		°C	-20 ÷ 35	-20 ÷ 35
water outlet temperature range		°C	68	68
central heating's seasonal energy efficiency	moderate climate (W35)	%	176	186
ErP energy efficiency class		-	A+++	A+++
central heating's seasonal energy efficiency	moderate climate (W55)	%	130	145
ErP energy efficiency class		-	A++	A++
acoustic pressure of the outdoor unit [3]		dB	40	41
acoustic power level of the indoor unit [4]		dB	32	32
acoustic power level of the outdoor unit [4]		dB	60	61
fan		pcs	1	
power / type of electric heater		kW / -	7 / three-stage flow-through	
voltage and frequency of the outdoor unit		V / Hz	230/50	400/50
dimensions of the outdoor unit (height x width x depth)		mm	903 x 1480 x 551	1099 x 1580 x 610
net / gross weight of the outdoor unit		kg	110 / 135	150 / 191

* 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 - air temperature; W - heated water temperature range. The nominal parameters are determined for intermediate compressor revolutions. The heat pump has the ability to modulate between the minimum and maximum compressor speeds.
2 Not included in the basic price.
3 At a distance of 4 meters.
4 According to the EN 12102 norm.

HYBRID HEATING SYSTEMS WITH *airmax*³ 7-12GT HEAT PUMPS FOR CH AND DHW

Airmax³ heat pump | Gbox module | wall-mounted SG(B) CH buffer | SGW(S) Tower Grand indirect water heater with electric heater | Sinum Smart Home System

no.	cat. no.	system includes	EAN code
1	SG-000107S	Airmax³ 7GT (2-9 kW) heat pump + Gbox module + SG(B) 100 CH buffer + SGW(S) Tower Grand 200 indirect water heater + Sinum Smart Home System	5901224113529
2	SG-000112S	Airmax³ 12GT (3-15 kW) heat pump + Gbox module + SG(B) 120 CH buffer + SGW(S) Tower Grand 300 indirect water heater + Sinum Smart Home System	5901224113543

Airmax³ heat pump | Onebox hydraulic cabinet | wall-mounted SG(B) CH buffer | Sinum Smart Home System

no.	cat. no.	system includes	EAN code
1	SG-000207S	Airmax³ 7GT (2-9 kW) heat pump + Onebox hydraulic cabinet + SG(B) 100 CH buffer + Sinum Smart Home System	5901224113604
2	SG-000212S	Airmax³ 12GT (3-15 kW) heat pump + Onebox hydraulic cabinet + SG(B) 120 CH buffer + Sinum Smart Home System	5901224113628

Comfortable online control

- Support for 2 heating circuits (mixing valve and circulation pump), Smart temperature sensor (adaptive settings based on the current room temperature) circulation pump, circulation pump behind the plate exchanger in glycol-water systems, domestic hot water heater.
- Control house heating, cooling and DHW heating.
- Operation based on the heating curve and daily / weekly schedule.
- Remote access (internet module supplied with the device).
- Works with a UPS (uninterruptible power supply system).

GBOX/ONEBOX INDOOR UNITS IN SETS WITH *airmax*³ HEAT PUMPS

Onebox hydraulic cabinet:

- 190 l efficient indirect water heater for heat pumps with a spiral coil (surface area of 2,5 m²) and an additional 2 kW electric heater.
- Built-in three-stage flow-through water heater 7 kW (2,33 / 4,66 / 7 kW).
- Energy-saving, electronic circulation pump with stepless speed control.
- Three-way switching valve with actuator.
- Heat pump controller with glass screen and high resolution.
- Air and pollution separator.
- Expansion vessel for central heating.
- Manometer.
- Valve for filling and venting the central heating system.
- 230V or 400V power supply depending on the selected connection variant.
- Dimensions (height x width x depth): 1849 x 713 x 733 mm.

Onebox hydraulic cabinet

Gbox hydraulic module:

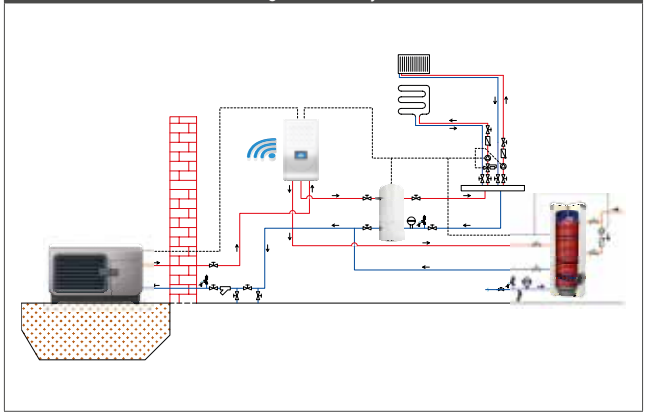
- Built-in three-stage flow-through water heater 7 kW (2,33 / 4,66 / 7 kW).
- Energy-saving, electronic circulation pump with stepless speed control.
- Three-way switching valve with actuator.
- Heat pump controller with glass screen and high resolution.
- 230V or 400V power supply depending on the selected connection variant.
- Dimensions (height x width x depth): 720 x 420 x 252 mm.

Gbox hydraulic module

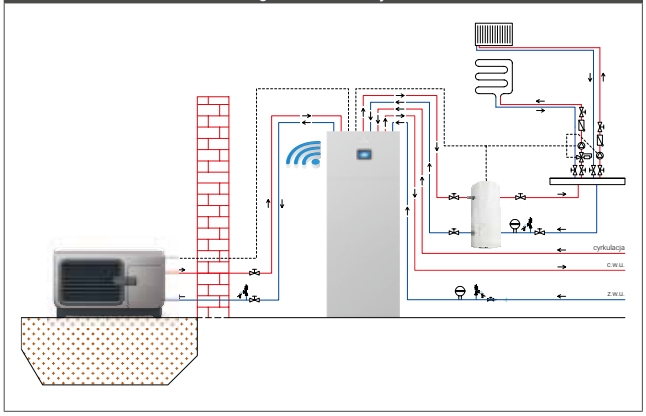
Technical specification of the Gbox/Onebox indoor units for Airmax³ heat pumps

specification	unit	Gbox	Onebox
power consumption of the heat pump circulation pump	W	10-140	
maximum length of the heating medium cable[1]	m	10	
net weight	kg	16,5	193
gross weight	kg	18	211
dimensions (height x width x depth)	mm	720 x 420 x 252	1849 x 713 x 733
material of the hydraulic connections	-	brass	
connections	-	external thread 1"	
voltage of the indoor unit	-	400 V (+10%/-10%), 50 Hz, 3~/N/PE or 230 V (+10%/-10%), 50 Hz, 1~/N/PE	
tank's capacity	l	-	190
coil's surface	m²	-	2,5
tank's maximum working pressure	MPa	-	0,60
tank's heater power	kW	-	2

installation diagram - Gbox hydraulic module



installation diagram - Onebox hydraulic cabinet



[1] The distance between the outdoor unit and the elements of the internal hydraulic system (buffer/DHW tank). The value should be verified by calculating the flow resistance of a given installation in comparison with the characteristics of the circulation pump installed in the device.

SINUM SMART HOME SYSTEM IN SETS WITH airmax³ HEAT PUMPS

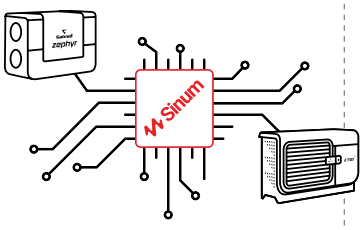
Sinum smart home system:

- All in one Sinum system - control of underfloor and radiator heating, cooling, ventilation, roller shutters and alarm control panel.
- Ability to program the so-called "scenes", i.e. relationships between system elements, e.g.:
  - Alarm is on > reduce ventilation > turn off the lights.
  - The window is open > close the heat supply to the radiator.
  - Time is 24:00 > turn off the light in the living room etc.
- Weather prediction - data exchange with an external weather station, which predicts the weather and change the set parameters of the heating system in advance.
- Can work both in wired and wireless mode.
- Possibility of expansion with a lighting control system, programmable buttons, sockets and additional sensors.
- Support for multiple communication protocols (f.ex. SBUS, RS, MODBUS, HTTP, MQTT).

Sinum smart home system
along with a list of features and supported devices

Intelligent management of the entire hybrid system

The Sinum controller intelligently manages the entire Galmet hybrid heating system based on programmed patterns. Different heat sources work as one heating system and are able to achieve the best possible efficiency, making the entire system even more economical and ecological. The user can perfectly setup the control of the entire building to his own needs.



Sinum mobile application

The mobile application provides you with the most important information about your smart home. Additionally, you can freely configure it according to your preferences, adding your favourite rooms, devices, scenes or automations to the main view.

Moreover, you have access to all kinds of statistics (temperature, pressure, air quality, etc.) and full control over the parameters in each room.

Control of heating, lighting, blinds and building security

actuator, window opening sensor, touch switch with temperature controller

touch light switches and dimmers

touch switches and blinds control modules

wireless particle concentration sensor, flood sensor and multisensor

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 drilling or digging up the plot.
- Optional equipment[2]:
  - 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	Airmax² 16GT	Airmax² 21GT	Airmax² 26GT	Airmax² 30GT
catalogue number		-	09-261600	09-262100	09-262600	09-263000
EAN code		-	5901224794643	5901224792892	5901224794650	5901224785696
heating power	(A7W35)[1]	kW	15,6	21,0	26,0	29,8
electrical power		kW	3,3	4,6	5,6	6,4
COP		-	4,7	4,6	4,6	4,7
heating power	(A2W35)[1]	kW	11,3	15,0	18,8	21,4
electrical power		kW	3,2	4,3	5,3	6,1
COP		-	3,6	3,5	3,5	3,5
heating power	(A7W55)[1]	kW	15,8	21,2	26,4	30,1
electrical power		kW	4,9	6,8	8,3	9,5
COP		-	3,3	3,1	3,2	3,2
SCOP	moderate climate (W35)	-	4,1	3,9	4,0	4,0
central heating's seasonal energy efficiency		%	160	154	157	158
ErP energy efficiency class		-	A++	A++	A++	A++
SCOP	moderate climate (W55)	-	3,1	3,0	3,1	3,1
central heating's seasonal energy efficiency		%	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.

Made in Poland

AIR-WATER HEAT PUMP FOR CH AND DHW - *prima* 6-16GT

- 3 functions in 1 device - house heating, cooling and DHW heating.
- Ability to obtain grants in Germany - included on the BAFA list.
- COP = 5,6 (Prima 8GT - A10W35).
- Working range up to -25°C.
- High outlet temperature to the heating circuit: up to 65°C.
- Ecological refrigerant - R32.
- 2 quiet modes.
- Modulated heating power - twin rotary inverter compressor.
- Easy and fast installation - monobloc heat pump - integrated heat pump system.
- Also available in a split version (Prima S).

Prima 6GT

In standard with the device:

- Online control via an app.
- A complete set for central heating and hot water: CH buffer + Tower Grand water heater with 2 kW heater and 3-way valve with an actuator or Complete combined heat accumulation vessel with 2 kW heater and 3-way valve with actuator.
- Temperature sensors for the domestic hot water and outdoor air.
- Control panel with thermostat function.
- Mesh filter.
- Built-in 3 or 9 kW heater, expansion vessel, safety valve, circulation pump.

Technical specification of the Prima 6÷16GT heat pump

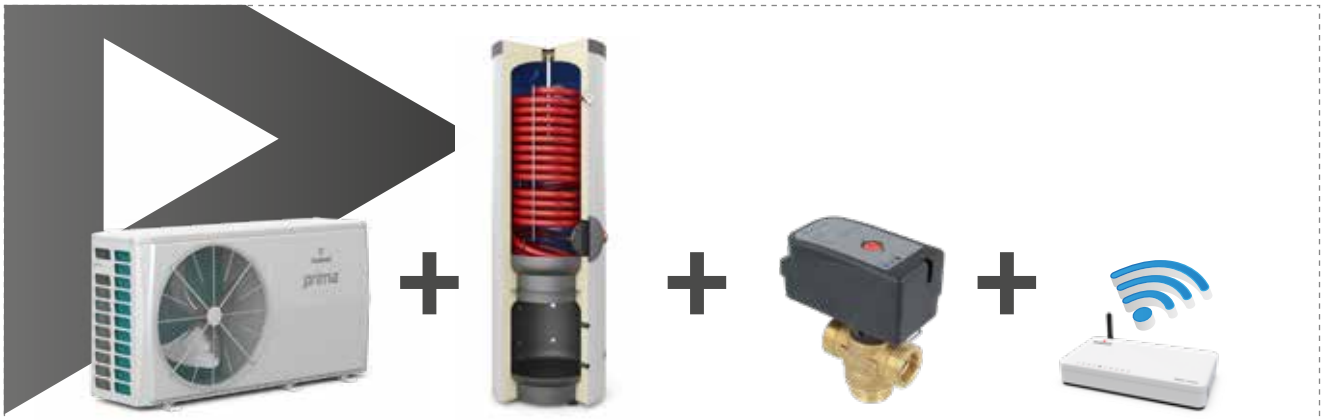
specification		unit	Prima 6GT	Prima 8GT	Prima 10GT	Prima 3F 12GT	Prima 3F 16GT
heating power modulation range (min/max) A7W35 [1]		kW	2,73 - 7,41	3,36 - 9,11	3,81 - 10,03	5,58 - 14,60	6,43 - 16,80
heating power	heating mode (A7W35)[1]	kW	6,35	8,40	10,00	12,10	15,90
electrical power		kW	1,28	1,63	2,02	2,44	3,53
COP		-	4,95	5,15	4,95	4,95	4,50
heating power	heating mode (A7W55)[1]	kW	6,00	7,50	9,50	11,90	16,00
electrical power		kW	2,03	2,36	3,06	3,90	5,61
COP		-	2,95	3,18	3,10	3,05	2,85
heating power	cooling mode (A35W7)[1]	kW	7,00	7,45	8,20	11,50	14,00
electrical power		kW	2,33	2,22	2,52	4,18	5,60
EER		-	3,00	3,35	3,25	2,75	2,50
outdoor air temperature range (cooling / heating / DHW)		°C	-5 ~ 43 / -25 ~ 35 / -25 ~ 43				
water outlet temperature range (cooling / heating / DHW)		°C	5 ~ 30 / 12 ~ 65 / 10 ~ 60				
central heating's seasonal energy efficiency	moderate climate (W35)	%	195	205	205	189	182
ErP energy efficiency class		-	A+++	A+++	A+++	A+++	A+++
central heating's seasonal energy efficiency	moderate climate (W55)	%	138	132	137	135	133
ErP energy efficiency class		-	A++	A++	A++	A++	A++
electric heater power		kW	3	3	3	9	9
acoustic power level [2]		dB	58	59	60	65	68
acoustic pressure (at a distance of 3 m)		dB	40	41	42	45	48
fan		-	DC				
voltage and frequency		V / Hz	220-240 / 50	220-240 / 50	220-240 / 50	380-415 / 50	380-415 / 50
dimensions (height x width x depth)		mm	718 x 1295 x 429	865 x 1385 x 523	865 x 1385 x 523	865 x 1385 x 523	865 x 1385 x 523
net / gross weight		kg	91 / 112	110 / 137	110 / 137	149 / 177	149 / 177

* 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 According to the EN 12102 norm.

HYBRID HEATING SYSTEMS WITH *prima* 6-16GT HEAT PUMPS FOR CH AND DHW

Prima heat pump | SG(B) CH buffer (hydraulic separator) | SGW(S) Tower Grand indirect water heater with electric heater | 3-way valve with actuator for DHW functionality | Smart Home Sinum Lite

no.	cat. no.	system includes	EAN code
1	SG-000044S	Prima 6GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 200 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122019
2	SG-000045S	Prima 8GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 200 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122033
3	SG-000046S	Prima 10GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 200 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122057
4	SG-000054S	Prima 3F 12GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 300 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122071
5	SG-000056S	Prima 3F 16GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 300 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122095
6	SG-000077S.1	Prima 10GT heat pump + SG(B) 200 CH buffer + SGW(S) Tower Grand 200 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122842
7	SG-000078S	Prima 3F 12GT heat pump + SG(B) 200 CH buffer + SGW(S) Tower Grand 300 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122750
8	SG-000079S	Prima 3F 16GT heat pump + SG(B) 200 CH buffer + SGW(S) Tower Grand 300 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122774



Prima heat pump | SG(K) Complete 250/110 combined heat accumulation vessel with electric heater | 3-way valve with actuator for DHW functionality | Smart Home Sinum Lite

no.	cat. no.	system includes	EAN code
1	SG-000048S	Prima 6GT heat pump + SG(K) Complete 250/110 combined heat accumulation vessel + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224124457
2	SG-000049S	Prima 8GT heat pump + SG(K) Complete 250/110 combined heat accumulation vessel + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224123870
3	SG-000050S	Prima 10GT heat pump + SG(K) Complete 250/110 combined heat accumulation vessel + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122576
4	SG-000057S	Prima 3F 12GT heat pump + SG(K) Complete 250/110 combined heat accumulation vessel + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224124808
5	SG-000059S	Prima 3F 16GT heat pump + SG(K) Complete 250/110 combined heat accumulation vessel + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224124822

Convenient online control

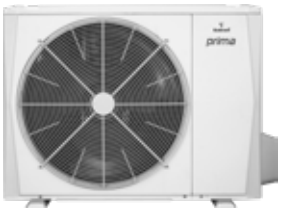
- Online control via an app - Smart Home Sinum Lite system.
- Automatic control based on the heating curve.
- Touch controller with room thermostat function.
- Daily and weekly scheduler.
- Faster heating of domestic hot water - TURBO DHW mode.
- ECO and vacation modes. Anti-legionella function- safe disinfection of DHW installations.
- Anti-Freeze protection.
- Ability to control the circulation pump and heater of the domestic hot water tank.

SPLIT INVERTER AIR-WATER HEAT PUMP FOR CH AND DHW *prima S* 6-16GT

- 3 functions in 1 device - house heating, cooling and DHW heating.
- Ability to obtain grants in Germany - included on the BAFA list.
- COP = 5,6 (Prima S 8GT - A10W35).
- Working range up to -25°C.
- High outlet temperature to the heating circuit: up to 65°C.
- Ecological refrigerant - R32.
- 2 quiet modes.
- Modulated heating power - twin rotary inverter compressor.

In standard with the device:

- Online control via an app.
- A complete set for central heating and hot water: CH buffer + Tower Grand water heater with 2 kW heater and 3-way valve with an actuator.
- Temperature sensors for the domestic hot water and outdoor air.
- Control panel with thermostat function.
- Mesh filter.
- Built-in 3 or 9 kW heater, expansion vessel, safety valve, circulation pump.



Prima S 6GT

Technical specification of the Prima S 6÷16GT heat pump

specification		unit	Prima S 6GT	Prima S 8GT	Prima S 10GT	Prima S3F 12GT	Prima S3F 16GT
heating power modulation range (min/max) A7W35[1]		kW	2,7 / 7,4	3,4 / 9,1	3,8 / 10,3	5,6 / 14,6	6,4 / 16,8
heating power	heating mode (A7W35)[1]	kW	6,20	8,30	10,00	12,10	16,00
electrical power		kW	1,24	1,60	2,00	2,44	3,56
COP		-	5,00	5,20	5,00	4,95	4,50
heating power	heating mode (A7W55)[1]	kW	6,00	7,50	9,50	12,00	16,00
electrical power		kW	2,00	2,36	3,06	3,87	5,52
COP		-	3,00	3,18	3,10	3,10	2,90
heating power	cooling mode (A35W7)[1]	kW	7,00	7,40	8,20	11,60	14,00
electrical power		kW	2,33	2,19	2,48	4,22	5,71
EER		-	3,00	3,38	3,30	2,75	2,45
ErP energy efficiency class	W35	-			A+++		
	W55	-			A++		
outdoor temperature range (cooling / heating / DHW)		°C			-5 ~ 43 / -25 ~ 35 / -25 ~ 43		
water temperature range (cooling / heating / DHW)		°C			5 ~ 25 / 25 ~ 65 / 30 ~ 60		
electric heater power		kW	3	3	3	9	9
acoustic power of the outdoor unit[2]		dB	58	59	60	64	68
acoustic pressure of the outdoor unit[3]		dB	38	39	40	44	48
acoustic power of the indoor unit[2]		dB	38	42	42	43	43
fan		-			DC		
voltage and frequency	outdoor unit	V / Hz	220-240 / 50	220-240 / 50	220-240 / 50	380-415 / 50	380-415 / 50
	indoor unit	V / Hz	220-240 / 50	220-240 / 50	220-240 / 50	380-415 / 50	380-415 / 50
dimensions of the outdoor unit (height x width x depth)		mm	712 x 1008 x 426	865 x 1118 x 523	865 x 1118 x 523	865 x 1118 x 523	865 x 1118 x 523
dimensions of the indoor unit (height x width x depth)		mm	790 x 420 x 270	790 x 420 x 270	790 x 420 x 270	790 x 420 x 270	790 x 420 x 270
net / gross weight of the outdoor unit		kg	58 / 63,5	75 / 89	75 / 89	97 / 110,5	112 / 125,5
net / gross weight of the indoor unit		kg	43 / 49	43 / 49	43 / 49	45 / 51	45 / 51

* 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 According to the EN 12102 norm.
3 At a distance of 3 meters.

HYBRID HEATING SYSTEMS WITH *prima S* 6-16GT HEAT PUMPS FOR CH AND DHW

Prima S heat pump | SG(B) CH buffer (hydraulic separator) | SGW(S) Tower Grand indirect water heater with electric heater | 3-way valve with actuator for DHW functionality | Smart Home Sinum Lite

no.	cat. no.	system includes	EAN code
1	SG-000061S	Prima S 6GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 200 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122118
2	SG-000062S	Prima S 8GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 200 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122132
3	SG-000063S	Prima S 10GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 200 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122156
4	SG-000064S	Prima S3F 12GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 300 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122170
5	SG-000066S	Prima S3F 16GT heat pump + SG(B) 60 CH buffer + SGW(S) Tower Grand 300 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122194
6	SG-000082S.1	Prima S 10GT heat pump + SG(B) 200 CH buffer + SGW(S) Tower Grand 200 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122866
7	SG-000083S	Prima S3F 12GT heat pump + SG(B) 200 CH buffer + SGW(S) Tower Grand 300 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122811
8	SG-000084S	Prima S3F 16GT heat pump + SG(B) 200 CH buffer + SGW(S) Tower Grand 300 indirect water heater + 3-way valve with actuator for DHW functionality + Smart Home Sinum Lite	5901224122835

Easy and fast installation

- System 4w1: heat pump + DHW exchanger + CH buffer + three-way valve.
- Built-in electronic circulation pump.
- Smart Grid Ready.
- Additional electric heater 3 kW (Prima S 6-10GT), three-stage 9 kW (Prima S3F 12-16GT).
- Built-in 8 l expansion vessel.
- Cascade of up to 6 heat pumps.
- Modbus protocol.

Convenient online control

- Online control via an app - Smart Home Sinum Lite system.
- Automatic control based on the heating curve.
- Touch controller with room thermostat function.
- Daily and weekly scheduler.
- Faster heating of domestic hot water - TURBO DHW mode.
- ECO and vacation modes. Anti-legionella function- safe disinfection of DHW installations.
- Ability to control the circulation pump and heater of the domestic hot water tank.

ACCESSORIES AND SPARE PARTS FOR HEAT PUMPS

List of accessories

no.	cat. no.	item	intended for	EAN code
1	09-900076	Adapter for connecting the buffer sensor [Tbt1]	Prima/Prima S	5901224112751
2	40-262500	Magnesium anode ø33x250 with a 5/4" plug	Basic 200[1], Spectra[1]	5901224811296
3	40-263800	Magnesium anode ø38x400 with a 5/4" plug	Basic 270[2], Basic 300[2]	5901224802508
4	09-000004	Room sensor (Smart) C-8R	Airmax[3]	5902479661056
5	09-900029	DHW temperature [T5] / buffer [Tbt1] / circuit 2 [Tw2] sensor	Prima/Prima S	5901224110566
6	M-007483	Temperature sensor KTY	Basic, Spectra, Small	5901224030291
7	08-001000	Temperature sensor PT1000	Basic, Spectra, Small	5901224700811
8	09-000112	EPP insulation for SWEP 40 plate heat exchanger	SWEP 40 plate heat exchanger	5901224796265
9	09-000113	EPP insulation for SWEP 60 and 70 plate heat exchangers	SWEP 60, SWEP 70 plate heat exchanger	5901224796289
10	09-000115	EPP insulation for SWEP 100 plate heat exchanger	SWEP 100 plate heat exchanger	5901224796319
11	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], Airmax[3], Maxima, Maxima Compact	5901224108112
12	M-011020	Internet module ST-505	Basic, Small[3]	5901224080531
13	M-014832	Internet module WiFi RS	Basic, Small[3]	5901224098024
14	M-013272	Extension module B - support for two additional heating circuits (two CT4 2M temp. sensors included)	Airmax[2], Maxima, Maxima Compact	5901224087448
15	M-012400	Ecotouch touch panel with thermostat function	Airmax[2], Maxima, Maxima Compact	5901224084157
16	09-000003	Base (frame) for the heat pump	Airmax[3]	5901224605598
17	M-013657	Rubber stands (2 pcs)	Airmax[2], Airmax[3]	5901224089145
18	M-015179	Dirt separator 1" (Caleffi)	Airmax[3]	5901224602641
19	09-000200	Actuator for the Siemens VBI60 valve	Airmax[2] 21-30GT, Maxima 20-42GT	5901224795763
20	09-900095	Condensate drip tray with 2 m heating cable (40 W)	Airmax[3] 7GT	5901224842450
21	09-900096	Condensate drip tray with 2 m heating cable (40 W)	Airmax[3] 12GT	5901224842474
22	09-000102	Plate heat exchanger (glycol-water) for the existing water installation (SWEP 40)	Airmax[3] 7GT, Prima 8-10GT	5901224795275
23	09-000103	Plate heat exchanger (glycol-water) for the existing water installation (SWEP 60)	Airmax[3] 12GT, Prima 12-16GT, Airmax[2] 16GT	5901224795282
24	09-000104	Plate heat exchanger (glycol-water) for the existing water installation (SWEP 70)	Airmax[2] 21GT	5901224795299
25	09-000105	Plate heat exchanger (glycol-water) for the existing water installation (SWEP 100)	Airmax[2] 26-30GT	5901224795305
26	M-006896	Three-way valve with actuator for DHW functionality	Airmax[2] 16GT, Prima/Prima S 6-16GT	5901224014345
27	09-000201	VBI60 three-way changeover valve 1 1/2"	Airmax[2] 21-30GT, Maxima 20-42GT	5901224795770

[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.


room sensor (Smart) C-8R


internet module ST-505


internet module WiFi RS


dirt separator 1"


condensate drip tray with 2 m heating cable


rubber stands (2 pcs)

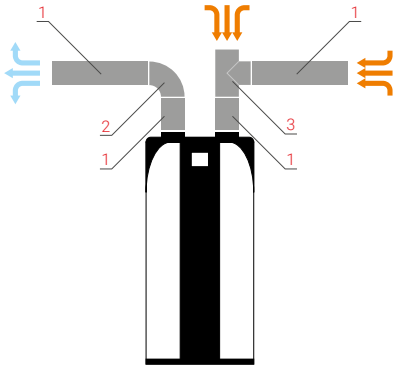

three-way valve with actuator for DHW functionality

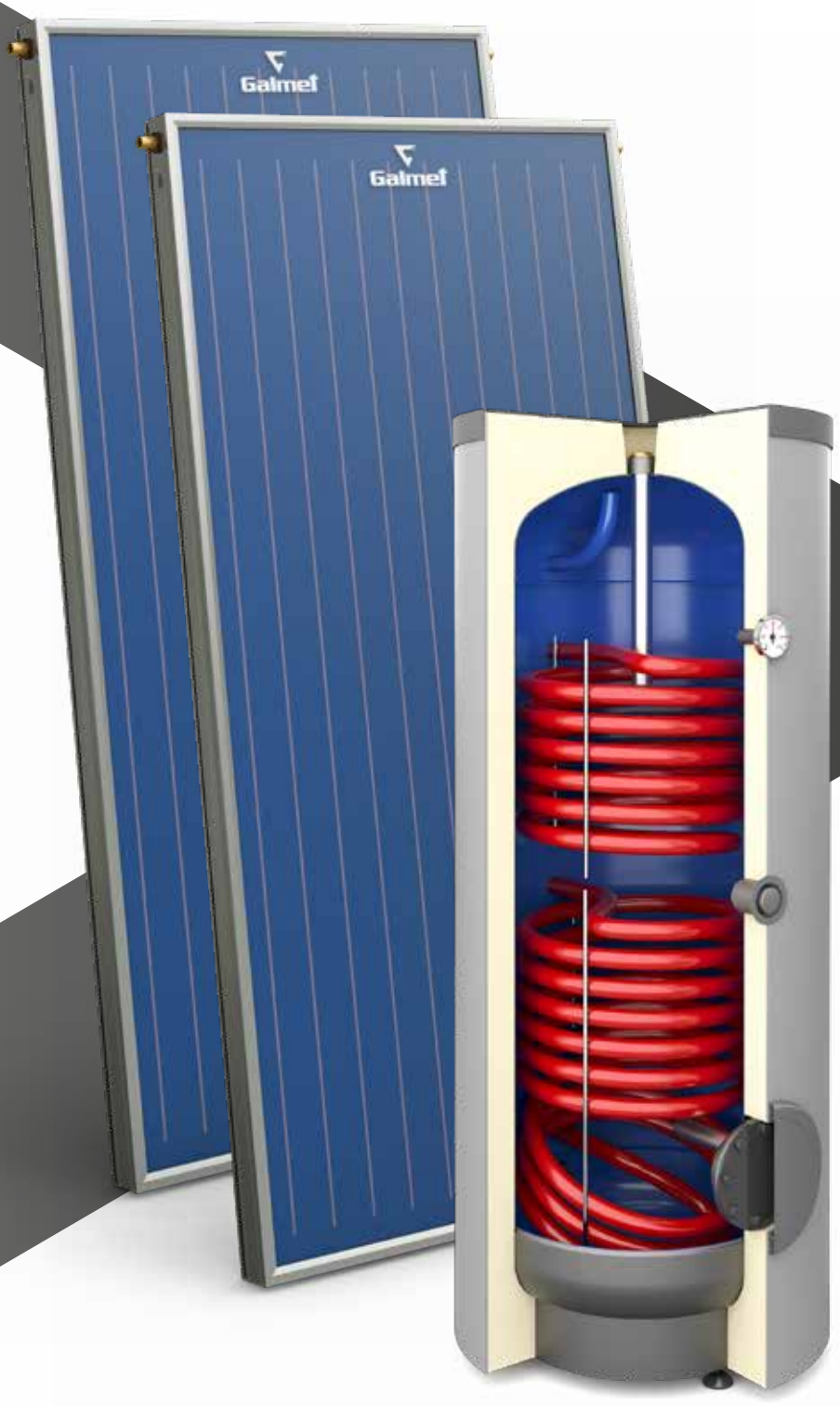

base (frame) for the Airmax[3] heat pump

List of ventilation elements for the Basic heat pumps

no.	cat. no.	item	EAN code
1	M-009657	Spiral pipe ø160/160 muff/muff (sold in pieces of 1,5 meters in length)	5901224065194
2	M-009658	Pressed bend ø160/160 connector/connector	5901224065200
3	M-009659	90 degree tee piece ø160/160 connector/connector with throttle	5901224065217
4	M-009660	Air intake vent ø250 connector	5901224065224
5	M-009661	Duct reducer ø250/160 muff (for the air intake vent)/connector	5901224065231
6	M-009664	Duct clamp ø160	5901224065262
7	M-009665	Joining collar ø160/160 connector/connector	5901224065279

exemplary configuration of air ducts





Made in Poland

SOLAR SYSTEMS

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	m²	2,1	2,7	2,1	2,7
aperture area (active area)	m²	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.

Made in Poland

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

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

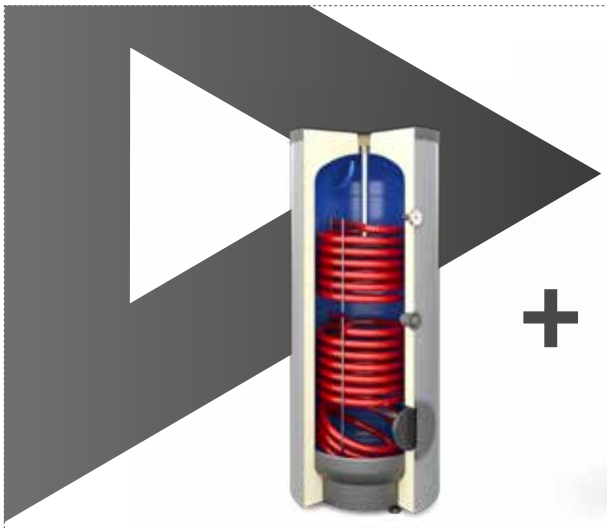
Diaphragm vessel of a capacity of 24 l with connection set

PRIME

- perfect for 3-6 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
08-942133	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



SGW(S)B
Tower Biwal 200

2 solar collectors
KSG 21 Premium GT

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).

Made in Poland

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)

SGW(S)B
Tower Biwal 300

2 solar collectors
KSG 27 Premium GT

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.

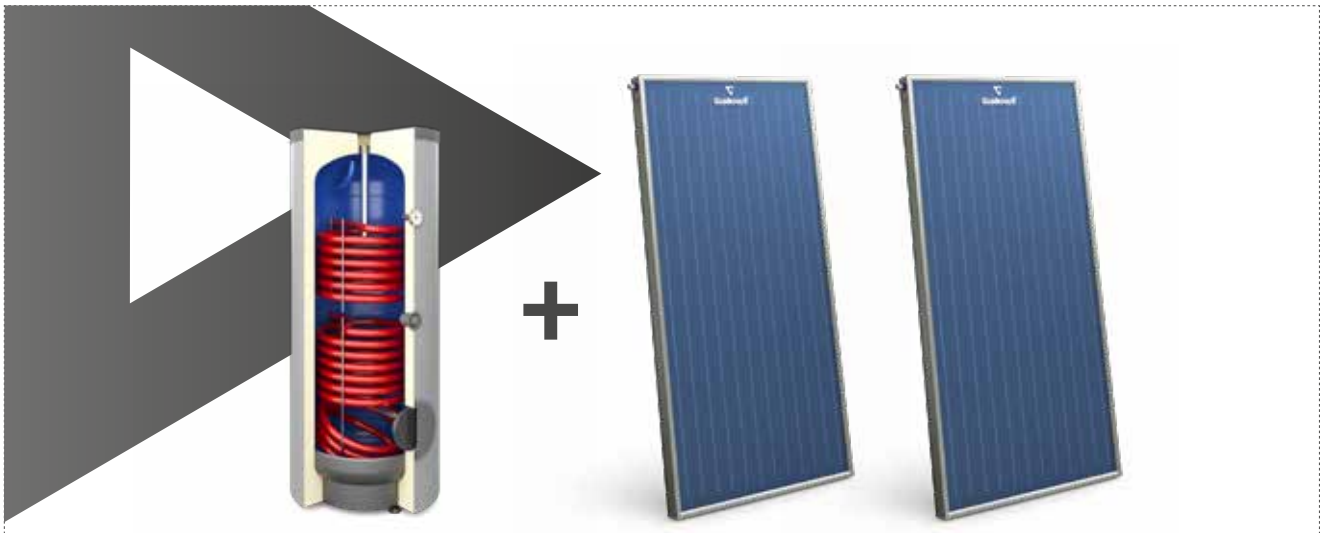
[1] According to the average daily DHW demand.

[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



SGW(S)B
Tower Biwal 200

2 solar collectors
KSG 21GT

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:

20 l glycol container

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.

Made in Poland

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
- Al installation package included

cat. no.	description
08-952044	4x KSG 21GT, Al installation package, SGW(S)B Tower Biwal 400 indirect water heater
08-912004	4x KSG 21GT (Al 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
- Al installation package included

cat. no.	description
08-952055	5x KSG 21GT, Al installation package, SGW(S)B Tower Biwal 500 indirect water heater
08-912005	5x KSG 21GT (Al 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
- Al installation package included

cat. no.	description
08-952632	2x KSG 27GT, Al 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
- Al installation package included

cat. no.	description
08-952643	3x KSG 27GT, Al 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
- Al installation package included

cat. no.	description
08-952654	4x KSG 27GT, Al 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 **Al** installation package includes:


20 l glycol container


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 FOR SOLAR SYSTEMS

no.	cat. no.	item	EAN code
1	08-400400	STDC controller	5901224711695
2	08-400300	MTDC controller	5901224705489
3	08-400740	LTDC controller	5901224752209
4	08-400710	Ethernet module for the MTDC controller	5901224750755
5	08-300108	One-way solar pump group without the diaphragm vessel set	5901224761706
6	08-300308	Two-way solar pump group without the diaphragm vessel set	5901224760532
7	08-300408	Two-way solar pump group GT (greater efficiency) without the diaphragm vessel set	5901224762420
8	33-180200	Diaphragm vessel 18 l	5901224701085
9	33-240200	Diaphragm vessel 24 l	5901224701962
10	33-360200	Diaphragm vessel 36 l	5901224720178
11	33-500200	Diaphragm vessel 50 l	5901224712067
12	08-003001	Kit for connecting the diaphragm vessel from 18 l to 24 l, 3/4" with stop valve	5901224720710
13	08-003003	Kit for connecting the diaphragm vessel from 18 l to 24 l, without stop valve	5901224737299
14	08-002100	Solar fluid (glycol) 20 l (-30)	5901224761119
15	08-000010	Connection kit for 1 solar collector	5901224709630
16	08-000020	Connection kit for 2 solar collectors	5901224709647
17	08-000030	Connection kit for 3 solar collectors	5901224709654
18	08-000040	Connection kit for 4 solar collectors	5901224709661
19	08-000050	Connection kit for 5 solar collectors	5901224711404
20	08-000011	Chrome connection kit for 1 aluminium solar collector	5901224757112
21	08-000021	Chrome connection kit for 2 aluminium solar collectors	5901224757129
22	08-000031	Chrome connection kit for 3 aluminium solar collectors	5901224757136
23	08-000041	Chrome connection kit for 4 aluminium solar collectors	5901224757143
24	08-000051	Chrome connection kit for 5 aluminium solar collectors	5901224757150
25	08-004122	Joint clip Ø 22/22 for connecting solar collectors	5901224708879
26	M-001232	Elbow (for connecting solar collectors) 22/ 3/4" Ext. thread	5901224060823
27	M-004418	4-way solar coupling Ø 22x3/4" with a vent and a sensor capillary for solar collectors	5901224003769
28	08-004222	Joint clip Ø 22/22 for connecting aluminium solar collectors	5901224754265
29	M-009289	Elbow (for connecting aluminium solar collectors) 22/ 3/4" Ext. thread	5901224058493
30	M-009290	4-way solar coupling Ø 22x3/4" with a vent and a sensor capillary for aluminium solar collectors	5901224058509
31	M-009219	Screw 10x200 A2 DIN6923 for metal roof tiles	5901224057434
32	M-006256	A stainless steel hook for roofs with plain tiles	5901224008924
33	M-010077	A stainless steel hook for roofs with slate tiles with a "L" type hook	5901224069987
34	M-010078	A stainless steel hook for roofs with slate tiles with a "S" type hook	5901224069994
35	M-010083	A stainless steel hook for roofs with slate tiles with a "Z" type hook	5901224070051
36	08-001000	PT1000 temperature sensor for STDC and MTDC controllers	5901224700811
37	M-007223	Manual refractometer	5901224026041
38	08-715012	Rotameter 2-12 l/min	5901224750144
39	08-000601	Device for venting/filling the solar installation	5901224738098
40	M-010386	DN15 ¾ FLEXIRA nut for the corrugated solar tube's pipe connection set (1 piece)	5901224074516
41	M-010387	DN15 ¾ FLEXIRA gasket for the corrugated solar tube's pipe connection set (1 piece)	5901224074523
42	08-005020	Double, corrugated solar tube made of stainless steel with insulation - 20 m	5901224729782
43	08-200110	Correction brackets for 1 solar collector, angle of inclination 10°	5901224756726
44	08-200120	Correction brackets for 1 solar collector, angle of inclination 20°	5901224756788
45	08-200210	Correction brackets for 2 solar collectors, angle of inclination 10°	5901224756733
46	08-200220	Correction brackets for 2 solar collectors, angle of inclination 20°	5901224756795
47	08-200310	Correction brackets for 3 solar collectors, angle of inclination 10°	5901224756740

no.	cat. no.	item	EAN code
48	08-200320	Correction brackets for 3 solar collectors, angle of inclination 20°	5901224756818
49	08-200410	Correction brackets for 4 solar collectors, angle of inclination 10°	5901224756757
50	08-200420	Correction brackets for 4 solar collectors, angle of inclination 20°	5901224756832
51	08-200510	Correction brackets for 5 solar collectors, angle of inclination 10°	5901224756771
52	08-200520	Correction brackets for 5 solar collectors, angle of inclination 20°	5901224756849
53	08-220101	Installation kit for 1 KSG 21 solar collector: flat roof	5901224717925
54	08-220201	Installation kit for 2 KSG21 solar collectors: flat roof	5901224715891
55	08-220301	Installation kit for 3 KSG21 solar collectors: flat roof	5901224729249
56	08-220401	Installation kit for 4 KSG21 solar collectors: flat roof	5901224717741
57	08-220501	Installation kit for 5 KSG21 solar collectors: flat roof	5901224711640
58	08-220102	Installation kit for 1 KSG 21 solar collector: pitched roof covered with tiles	5901224706431
59	08-220202	Installation kit for 2 KSG21 solar collectors: pitched roof covered with tiles	5901224710070
60	08-220302	Installation kit for 3 KSG21 solar collectors: pitched roof covered with tiles	5901224715747
61	08-220402	Installation kit for 4 KSG21 solar collectors: pitched roof covered with tiles	5901224719288
62	08-220502	Installation kit for 5 KSG21 solar collectors: pitched roof covered with tiles	5901224722066
63	08-220112	Installation kit for 1 KSG 21 solar collector: pitched roof covered with steel sheets, tar paper or shingles	5901224773594
64	08-220212	Installation kit for 2 KSG21 solar collectors: pitched roof covered with steel sheets, tar paper or shingles	5901224710209
65	08-220312	Installation kit for 3 KSG21 solar collectors: pitched roof covered with steel sheets, tar paper or shingles	5901224718984
66	08-220412	Installation kit for 4 KSG21 solar collectors: pitched roof covered with steel sheets, tar paper or shingles	5901224734250
67	08-220512	Installation kit for 5 KSG21 solar collectors: pitched roof covered with steel sheets, tar paper or shingles	5901224745614
68	08-220111	Installation kit for 1 KSG 21 solar collector: wall (facade)	5901224773594
69	08-220211	Installation kit for 2 KSG21 solar collectors: wall (facade)	5901224773600
70	08-220311	Installation kit for 3 KSG21 solar collectors: wall (facade)	5901224757600
71	08-220411	Installation kit for 4 KSG21 solar collectors: wall (facade)	5901224773570
72	08-220511	Installation kit for 5 KSG21 solar collectors: wall (facade)	5901224773587
73	08-226101	Installation kit for 1 KSG27 solar collector: flat roof	5901224710575
74	08-226201	Installation kit for 2 KSG27 solar collectors: flat roof	5901224710582
75	08-226301	Installation kit for 3 KSG27 solar collectors: flat roof	5901224710599
76	08-226401	Installation kit for 4 KSG27 solar collectors: flat roof	5901224710605
77	08-226501	Installation kit for 5 KSG27 solar collectors: flat roof	5901224713262
78	08-226102	Installation kit for 1 KSG27 solar collector: pitched roof covered with tiles	5901224709791
79	08-226202	Installation kit for 2 KSG27 solar collectors: pitched roof covered with tiles	5901224710087
80	08-226302	Installation kit for 3 KSG27 solar collectors: pitched roof covered with tiles	5901224737770
81	08-226402	Installation kit for 4 KSG27 solar collectors: pitched roof covered with tiles	5901224740374
82	08-226502	Installation kit for 5 KSG27 solar collectors: pitched roof covered with tiles	5901224720833
83	08-226112	Installation kit for 1 KSG27 solar collector: pitched roof covered with steel sheets, tar paper or shingles	5901224710445
84	08-226212	Installation kit for 2 KSG27 solar collectors: pitched roof covered with steel sheets, tar paper or shingles	5901224710452
85	08-226312	Installation kit for 3 KSG27 solar collectors: pitched roof covered with steel sheets, tar paper or shingles	5901224738876
86	08-226412	Installation kit for 4 KSG27 solar collectors: pitched roof covered with steel sheets, tar paper or shingles	5901224740381
87	08-226512	Installation kit for 5 KSG27 solar collectors: pitched roof covered with steel sheets, tar paper or shingles	5901224710674
88	08-226111	Installation kit for 1 KSG27 solar collector: wall (facade)	5901224784996
89	08-226211	Installation kit for 2 KSG27 solar collectors: wall (facade)	5901224752377
90	08-226311	Installation kit for 3 KSG27 solar collectors: wall (facade)	5901224785023
91	08-226411	Installation kit for 4 KSG27 solar collectors: wall (facade)	5901224785030
92	08-226511	Installation kit for 5 KSG27 solar collectors: wall (facade)	5901224785047

Made in Poland

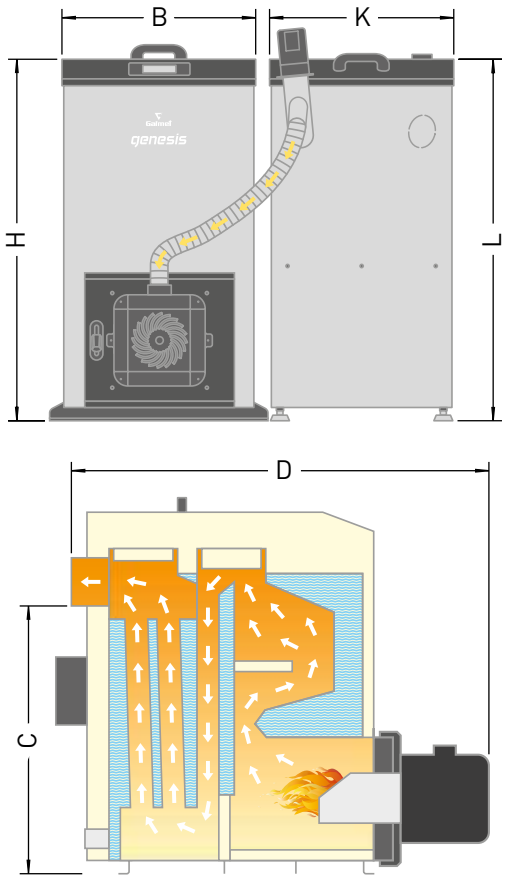
CH BOILERS

CH PELLET BOILERS - TYPE GENESIS PLUS KPP

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

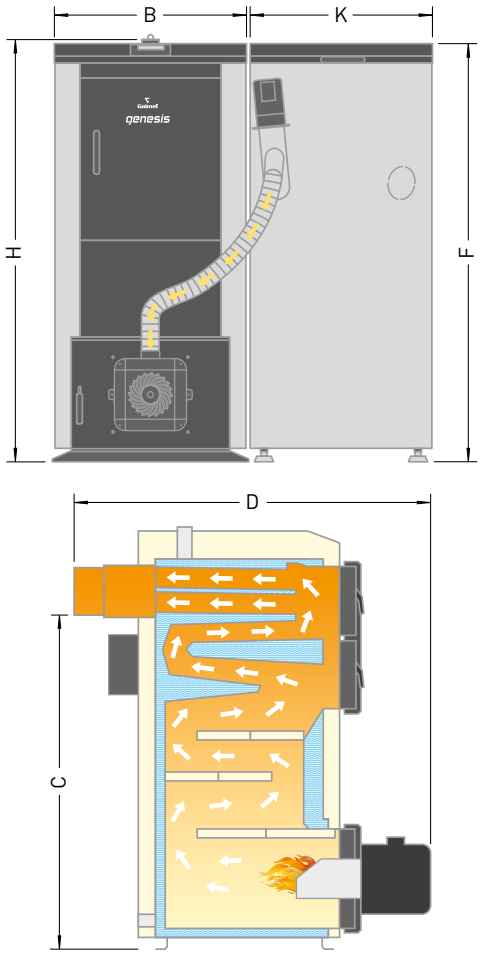
specification	unit	Genesis Plus KPP				
nominal power	kW	10	15	20	25	34
ErP energy efficiency class	-	A+	A+	A+	A+	A+
power range	kW	3,0 ÷ 10,0	4,5 ÷ 15,0	6,0 ÷ 20,0	7,5 ÷ 25,0	10,2 ÷ 34,0
fuel tank capacity	dm³	180	180	180	350	350
boiler water capacity	dm³	46	68	90	127	134
boiler heating surface	m²	1,66	2,08	2,63	3,12	3,90
fuel	-	6-8 mm wood pellets				
surface of the heated rooms [1]	m²	do 133	do 200	do 266	do 333	do 453
weight (boiler + burner + feeder + fuel tank)	kg	285	325	362	431	485
minimum chimney height	m	6	6	6	6	6
minimum chimney cross-section	mm	Ø 160	Ø 160	Ø 160	Ø 160	Ø 180
required chimney draft	mbar	0,16	0,20	0,24	0,24	0,26
smoke conduit external dimension	mm	Ø 133	Ø 159	Ø 159	Ø 159	Ø 179
operating temperature range	°C	55 ÷ 85	55 ÷ 85	55 ÷ 85	55 ÷ 85	55 ÷ 85
thermal efficiency	%	96,38	96,16	96,46	96,66	96,94
connections	"	1 ¼	1 ¼	1 ¼	1 ¼	1 ¼
allowable operating pressure	bar	2	2	2	2	2
boiler width (B)	mm	523	595	667	546	626
smoke conduit height from the floor (C)	mm	723	710	710	1132	1123
boiler depth with smoke conduit (D)	mm	1120	1120	1120	1220	1290
boiler height (H)	mm	970	970	970	1440	1440
fuel tank width (K)	mm	528	528	528	526	526
fuel tank height (L)	mm	970	970	970	1426	1426

scheme - Genesis Plus KPP 10÷20 kW



rys. 93

scheme - Genesis Plus KPP 25÷34 kW



rys. 94

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

Galmet 5 class PN-EN 303-5:2012 | Galmet 60 months warranty* | Galmet 97% thermal efficiency | Galmet ECO design standard

BAFA Bundesamt für Wirtschaft und Ausfuhrkontrolle

GOLD MEDAL 2018 **

Genesis Plus KPP 10÷34 kW

cat. no.	power	model	EAN code
07-105504	10 kW	Genesis Plus KPP	5901224342974
07-155504	15 kW		5901224343018
07-205504	20 kW		5901224343032
07-255504	25 kW		5901224343056
07-345504	34 kW		5901224343070

The boilers are equipped with **self-cleaning hybrid burner** 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 dm^3 (cat. no. 40-700190).

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 (Genesis Plus KPP 15 and 20 kW).
- Extremely high thermal efficiency - up to 96,9%.
- Convenience - automatic ignition system and power modulation.
- Comfort of use - large fuel tank, intuitive controller.
- Hybrid burner with automatic cleaning function.
- 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. 66
Genesis Plus KPP 10 kW pellet boiler
with PELLASX hybrid burner

pic. 67
Hybrid burner
with automatic cleaning function

pic. 68
PELLASX S.Control MK2
controller

pic. 69
Touch color room controller
in a wired or wireless version

pic. 70
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.

ELECTRIC BOILER FOR CH AND DHW

electra 11-23GT

- High efficiency - fast heating.
- Economical operation based on the heating curve.
- Compact dimensions and quick installation.
- Three levels of heating power.
- Virtually silent operation.
- Three operating modes: central heating, hot water heating, automatic circuit switching.
- Wifi Smart Home.
- Large display with intuitive menu.
- Pump seizure protection.
- Automatic decontamination mode - Anti-Legionella.
- Two-stage frost protection.
- Overheat protection.
- Dry-dial protection.
- Protection against too frequent activation of the heaters.
- Surge protection.
- Energy saving function.
- Built-in circulation pump and 5 litre expansion vessel.
- Two water temperature sensors.
- Optional equipment [1]:
  - DHW module - three-way valve and DHW sensor (cat. no. 40-174304).

fot. 71
Electra electric boiler for CH and DHW

Galmet 60 months warranty*

Technical specification of the Electra 11-23GT electric boiler

specification	unit	Electra 11GT	Electra 16GT	Electra 23GT
catalogue number of the Electra electric boiler	-	17-110100	17-160100	17-230100
EAN code of the Electra electric boiler	-	5901224338564	5901224338571	5901224338588
catalogue number of the DHW module	-		40-174304	
EAN code of the DHW module	-		5901224340147	
rated power	kW	11	16	23
number of power phases	-	3	3	3
supply voltage	V	400	400	400
rated current	A	16	23,2	33,3
minimum cross-section of the power cord	mm^2	5x2,5	5x4	5x6
operating temperature range	°C		30 ÷ 80	
maximum water temperature	°C		75	
freeze protection temperature	°C		< 8	
three-way valve power supply	-		~ 230 V / 0,5 A	
expansion vessel capacity	l		5	
supply/return connections diameter	-		external thread 3/4"	
cold water connection diameter	-		external thread 1/2"	
device dimensions (height x width x depth)	mm		665 x 358 x 218	

* Details in the warranty card and on our website: https://galmet.com.pl/pl/pliki-do-pobrania.
[1] Nieujęte w cenie podstawowej.

ACCESSORIES AND SPARE PARTS FOR CH BOILERS

no.	cat. no.	item	EAN code
1	M-011044	Flame sensor	5901224081941
2	M-010422	CT4P weather sensor	5901224074943
3	M-011045	CT4 temperature sensor	5901224081699
4	M-010968	Burner temperature sensor	5901224080098
5	M-014396	CT10 temperature sensor	5901224608735
6	M-010521	Exhaust temperature sensor	5901224076213
7	T-000039	Floor insulation for Genesis Plus 10 kW (25 x 295 x 375 mm)	5901224612381
8	T-000046	Floor insulation for Genesis Plus 15 kW (25 x 367 x 375 mm)	5901224612411
9	T-000053	Floor insulation for Genesis Plus 20 kW (25 x 439 x 375 mm)	5901224612428
10	M-009693	Internet module	5901224065675
11	M-009955	Expansion module B	5901224068430
12	M-010124	Expansion module C	5901224070587
13	40-700180	Extension for 180 dm^3 fuel tank	5901224830815
14	T-000037	Dry water tube for Genesis Plus 10 kW (295 x 160 x 30 mm)	5901224612374
15	T-000044	Dry water tube for Genesis Plus 15 kW (367 x 160 x 30 mm)	5901224612404
16	T-000051	Dry water tube for Genesis Plus 20 kW (439 x 160 x 30 mm)	5901224602733
17	T-000054	Dry water tube for Genesis Plus 25 kW (365 x 200 x 20 mm)	5901224612435
18	T-000055	Dry water tube for Genesis Plus 25 kW (365 x 160 x 20 mm)	5901224612442
19	T-000063	Dry water tube for Genesis Plus 34 kW (440 x 200 x 20 mm)	5901224612459
20	M-010388	Room controller, wired, touch, color	5901224074530
21	M-012870	Room controller, wireless, touch, monochrome	5901224088346
22	M-013942	Room controller, wireless, touch, color	5901224094934
23	40-250221	Ashpan for Genesis 12, 16 kW	5901224827273
24	40-250222	Ashpan for Genesis 24 kW	5901224827280
25	40-250223	Ashpan for Genesis Plus 10 kW	5901224827297
26	40-250224	Ashpan for Genesis Plus 15 kW	5901224827303
27	40-250225	Ashpan for Genesis Plus 20 kW	5901224827327
28	40-250226	Ashpan for Genesis Plus 25 kW	5901224827341
29	40-250227	Ashpan for Genesis Plus 34 kW	5901224827358
30	M-010244	Polyurethane pipe Ø 60 - 1 meter	5901224072260
31	40-250229	Dry water tube (set) for Genesis Plus 10 kW	5901224830853
32	40-250228	Dry water tube (set) for Genesis Plus 15 kW	5901224829123
33	40-250230	Dry water tube (set) for Genesis Plus 20 kW	5901224830860
34	M-006381	Cooling coil with JBV-1 valve and accessories (built-in) for 30-70 kW CH boilers	5901224001314
35	M-010857	STB thermal protection	5901224079085
36	M-010335	Ceramic igniter I	5901224073823
37	M-010924	Ceramic igniter II (threaded)	5901224079832
38	M-012338	Steel igniter	5901224085963
39	40-700181	Fuel tank 180 dm^3	5901224830921
40	40-700182	Fuel tank 350 dm^3	5901224830938
41	M-007037	Glass sealant 15 mm - 1 linear meter	5901224020766
42	M-006366	Thermomanometer	5901224007057
43	M-000038	Capillary thermometer	5901224000232
44	M-006275	Cooling coil with JBV-1 valve and accessories (built-in) for 12-30 kW CH boilers	5901224001208
45	M-001368	DBV-1 thermostatic extraction-cooling valve	5901224001192

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 equipped with mixing valves.
- 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 equipped 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.

Galmet biznes

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