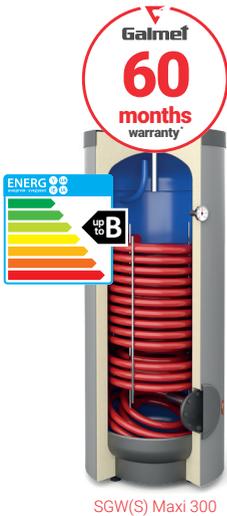




WATER HEATERS FOR HEAT PUMPS

 EN - flyer 08/2024



SGW(S) Maxi 300

INDIRECT WATER HEATERS FOR HEAT PUMPS - TYPE SGW(S) MAXI

- ▶ Maximum size spiral coil dedicated to heat pumps.
- ▶ Highest quality ceramic enamel EXTRA GLASS®.
- ▶ Additional protection with magnesium or titanium anode (for types 26-804808N, 36-104808N).
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer as standard.



Maximum size spiral coil 2,9-12 m² designed specifically for heat pumps. It's the optimal solution for installations with both **on-off and inverter** type heat pumps.

specification	unit	SGW(S) Maxi							
		250	300	400	500	700	1000	800	1000
catalogue number	-	26-258500N	26-308500N	26-408100N	26-504100N	26-704100N	36-104700N	26-804808N	36-104808N
storage capacity ¹	l	243	290	376	471	657	973	880	985
ErP	polyurethane foam Neodul®	-	B	B	C	B	C	-	-
tank's / coil's max. working pressure	MPa	-	-	-	-	-	C	C	C
coil surface	m ²	2,9	3,5	5,0	6,0	6,5	6,5	9,0	12,0
coil power (80/10/45°C)	kW	70	85	108	114	138	138	182	240
height	mm	1380	1615	1750	1950	2050	2020	1935	2135
diameter	mm	670	670	700	755	855	1060	1060	1060



SGW(S)B Maxi Plus 300

INDIRECT WATER HEATERS FOR HEAT PUMPS - TYPE SGW(S) MAXI PLUS

- ▶ Two spiral coils that can be connected to two heat sources at once (f.ex. to a heat pump and CH boiler).
- ▶ Highest quality ceramic enamel EXTRA GLASS®.
- ▶ Additional protection with magnesium or titanium anode (for types 26-809108N, 36-109108N).
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer as standard.

specification	unit	SGW(S) Maxi Plus				
		300	400	500	800	1000
catalogue number	-	26-309100N	26-409100N	26-509100N	26-809108N	36-109108N
storage capacity ¹	l	293	373	465	880	985
ErP	polyurethane foam Neodul®	-	B	C	B	-
tank's / coil's max. working pressure	MPa	-	-	-	C	C
surface of the solar collector's / heat pump's coil	m ²	1,0 / 2,2	1,5 / 3,8	1,8 / 4,8	2,0 / 7,5	3,0 / 9,0
power of the solar collector's coil (80/10/45°C)	kW	26	34	38	64	71,5
power of the heat pump's coil (50/10/45°C)	kW	22,5	28,5	35	52	62
height	mm	1615	1750	1950	1935	2135
diameter	mm	670	700	755	1060	1060

* Details in the warranty card.

¹ According to the regulation - (UE) 812/2013, 814/2013.



SGW(S) Tower Grand

INDIRECT WATER HEATERS FOR HEAT PUMPS - TYPE 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.
- ▶ Maintenance-free titanium anode - option.
- ▶ Highest quality ceramic enamel EXTRA GLASS®.
- ▶ Additional protection with magnesium anode.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer as standard.

▶ **Tower Grand** is an indirect water heaters with the maximum size spiral coil designed specifically for heat pumps. It's the optimal solution for installations with both **on-off and inverter** type heat pumps.

specification	unit	SGW(S) Tower Grand					
		160	200	250	300	400	500
catalogue number	-	26-168107	26-208107	26-258107	26-308107N	26-408107N	26-504107N
storage capacity ¹	l	160	193	241	297	386	484
ErP  polyurethane foam	-	B	B	B	B	C	B
tank's max. working pressure	MPa				1,0		
coil's max. working pressure	MPa				1,6		
tank's max. working temperature	°C				95		
coil's max. working temperature	°C				110		
coil 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 power (80/10/45°C)	kW	44,8	50,0	56,4	64,0	91,0	102,0
coil power (80/10/60°C)	kW	28,0	40,0	48,8	55,0	77,5	87,0
coil power (50/10/45°C)	kW	10,0	14,0	16,8	19,0	28,0	31,0
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
height	mm	920	1140	1300	1615	1750	1950
diameter	mm	670	670	670	670	700	755
net weight	kg	76	95	114	125	185	235

* Details in the warranty card.

¹ According to the regulation - (UE) 812/2013, 814/2013.



SG(K) Complete

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

TYPE SG(K) COMPLETE

- ▶ Two independent systems in one device.
- ▶ Complete solution for heat pumps - indirect water heater + CH buffer.
- ▶ Space saving - compact design.
- ▶ Rapid DHW heating - large spiral coil (2,9 m²).
- ▶ 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 Galmef water heaters into one tank that serves as both an **indirect water heater and a central heating buffer**.

specification	unit	SG(K) Complete 250/110
catalogue number	-	71-251000
ErP  klasa efektywności energetycznej	-	B
height	mm	1990
diameter without / with insulation	mm	550 / 670
weight	kg	175
indirect water heater		
storage capacity	l	243
tank's /coil's maximum working temperature	°C	95 / 110
tank's /coil's maximum working pressure	MPa	1,0 / 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
CH buffer		
storage capacity	l	109
tank's maximum working temperature	°C	95
tank's maximum working pressure	MPa	0,3

* Details in the warranty card.

¹ According to the regulation - (UE) 812/2013, 814/2013.



SG(B) 80 wall-mounted

WALL-MOUNTED, NON-ENAMELLED BUFFERS WITHOUT SPIRAL COIL - TYPE SG(B)

- ▶ 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.



Small buffer tanks for heat pumps **guarantee safe operation** of the entire CH installation. They act as a hydraulic separator and allow for a stable operation of the heating and cooling systems.

specification	unit	60	80	100	120
catalogue number	-	70-067000	70-087000	70-107000	70-127000
storage capacity ¹	l	63	86	106	118
ErP polyurethane foam	-	C	C	C	C
tank's max. working pressure	MPa			0,3	
tank's max. working temperature	°C			95	
tank's min. working temperature	°C			30	
insulation thickness	mm	30	30	30	30
height	mm	680	865	1015	1115
diameter	mm	460	460	460	460



SG(B) 200 i 500
in polyurethane foam

NON-ENAMELLED BUFFERS WITHOUT SPIRAL COIL - TYPE SG(B)

- ▶ Wide range of available capacities, from 200 to 10000 l.
- ▶ Water tank (buffer) for de-mineralised boiler water.
- ▶ Insulated with polyurethane foam or detachable insulation.
- ▶ Heat supply from several independent heat sources.
- ▶ Also available with one or two spiral coils.

specification	unit	SG(B)									
		200	300	400	500	800	1000	1500	2000	3000	4000
catalogue number	-	70-200000	70-300000	70-400000	70-500000	70-800000	70-100000	70-150000	80-200000	80-300000	80-400000
storage capacity ¹	l	223	322	396	467	728	883	1479	2023	2941	3985
ErP polyurethane foam	-	B	B	C	C	-	-	-	-	-	-
	-	-	-	-	-	C	C	C	C	-	-
tank's max. working pressure	MPa					0,3					
tank's max. working temperature	°C					95					
height	mm	1140	1615	1685	1925	1730	2050	2700	2500	2750	2355
diameter	mm	670	670	700	700	950	950	1100	1300	1450	1800

* Details in the warranty card.

¹ According to the regulation - (UE) 812/2013, 814/2013.



SG(K) Multi-Inox

HYGIENIC STRATIFICATION BUFFER TANKS - TYPE MULTI-INOX

- ▶ Stratified accumulators cooperate perfectly with wood, pellet, gas and oil-fired boilers and in heat recuperation systems.
- ▶ Spirally corrugated, stainless steel heat exchanger guarantees hygienic domestic hot water 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.
- ▶ Corrugated stainless steel water heater (material 1.4404 AISI 316L) cleans itself automatically under pressure.
- ▶ Guarantee of domestic hot water without legionella bacteria thanks to the constant turbulences inside the accumulator prevent the lime scale from depositing on the heater's inner surface.
- ▶ High heating surface of the coil at higher boiler water temperatures provides high domestic hot water temperature, while the exchanger at low temperature range is used to initially heat water and cool down the accumulator.
- ▶ The accumulator can be fitted with one or two additional coils made of boiler steel P.235GH:
 - lower one (solar) for using the solar potential;
 - additional one to quickly heat domestic hot water by using the CH boiler
- ▶ Insulated with detachable insulation.

specification	unit	Multi-Inox			
		600	800	1000	
catalogue number	with 1 stainless steel coil	-	70-601600	70-801600	70-101600
	with 1 stainless and 1 steel coil	-	71-601600	71-801600	71-101600
	with 1 stainless and 2 steel coils	-	72-601600	72-801600	72-101600
storage capacity ¹	l	619	760	940	
ErP 	Neodul®	-	C	C	C
tank's max. working pressure	MPa		0,3		
tank's max. working temperature	°C		90		
DHW coil's max. working pressure	MPa		0,6		
DHW coil's max. working temperature	°C		90		
DHW coil surface	m ²	4,1	5,7	7,7	
DHW coil's capacity	l	22	30,5	41	
flow through the DHW coil at 45°C	l/min	20	20	20	
flow efficiency at 65°C (constant temperature at constant tank volume) at water temperature 45°C	l	268	510	574	
power of the stainless steel water heater (feed temperature approx. 65°C)	kW	45	61,5	91	
height	mm	1900	1880	2270	
diameter	mm	860	950	950	

* Details in the warranty card.

¹ According to the regulation - (UE) 812/2013, 814/2013.



SG(K) Kumulo 300/80
with two spiral coils

SG(K) Kumulo 300/80
without spiral coils

COMBINED HEAT ACCUMULATION VESSELS - TYPE 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.

▶ By installing the SG(K) Kumulo heat accumulation vessel in your boiler room you can save up to **2700 cm²** of space.

specification	unit	SG(K) Kumulo with one or two spiral coils						
		300/80	380/120	500/160	600/200	800/200	1000/200	
catalogue number	1 spiral coil in int. tank	-	71-302000	71-404000	71-506000	71-608000	71-808600	71-108600
	1 spiral coil in ext. tank	-	71-312000	71-414000	71-516000	71-618000	71-818600	71-118600
	2 spiral coils	-	72-302000	72-404000	72-506000	72-608000	72-808600	72-108600
storage cap. of the heating sys. water tank	l	220	260	340	400	600	800	
storage capacity of the DHW tank	l	80	120	160	200	200	200	
ErP	polyurethane foam	-	B	B	C	C	-	-
	Neodul®	-	-	-	-	-	C	C
circulation water tank / DHW tank maximum working pressure	MPa	0,3 / 0,6						
coil's maximum working pressure	MPa	0,6						
tank's / coil's maximum working temperature	°C	95 / 110						
lower coil's surface (int. tank)	m ²	1,6	2,1	2,1	2,1	2,4	2,4	
upper coil's surface (ext. tank)	m ²	0,8	0,8	1,0	1,0	1,0	1,0	
height	mm	1470	1840	1670	1840	1650	1850	
diameter	mm	700	700	855	855	1055	1055	

specification	unit	SG(K) Kumulo without spiral coils						
		300/80	380/120	500/160	600/200	800/200	1000/200	
catalogue number	-	70-302000	70-404000	70-506000	70-608000	70-808600	70-108600	
storage cap. of the heating sys. water tank	l	220	260	340	400	600	800	
storage capacity of the DHW tank	l	80	120	160	200	200	200	
ErP	polyurethane foam	-	B	B	C	C	-	-
	Neodul®	-	-	-	-	-	C	C
circulation water tank / DHW tank maximum working pressure	MPa	0,3 / 0,6						
height	mm	1470	1840	1670	1840	1620	1820	
diameter	mm	700	700	855	855	1055	1055	

* Details in the warranty card.

1 According to the regulation - (UE) 812/2013, 814/2013.

Galmet
60
months
warranty



SG(B) with maximum size spiral coil



SG(B) with two maximum size spiral coils

Galmet
renewable energy

„Galmet Sp. z o.o.“ Sp. K.
PL 48-100 Głubczyce, Raciborska 36
export dept.: +48 77 403 45 80
e-mail: export@galmet.com.pl
fax: +48 77 403 45 99

BUFFERS, NON-ENAMELLED VESSELS WITH THE MAXIMUM SIZE SPIRAL COIL TYPE SG(B)

- ▶ Dedicated to heat pumps.
- ▶ Wide range of available capacities, from 200 to 1000 l.
- ▶ Ability to work in both heating and cooling systems.
- ▶ Insulated with polyurethane foam.

specification	unit	SG(B)				
		200	250	300	400	500
catalogue number	-	71-204100	71-254500N	71-304500N	71-404100N	71-504100N
storage capacity ¹	l	202	236	284	366	459
ErP  polyurethane foam	-	B	B	B	C	B
tank's max. working pressure	MPa	0,3				
tank's max. working temp.	°C	95				
coil surface	m ²	2,0	2,9	3,6	6,0	7,5
height	mm	1140	1300	1615	1750	1950
diameter	mm	670	670	670	700	755

* Details in the warranty card.

¹ According to the regulation - (UE) 812/2013, 814/2013.

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

- ▶ Dedicated to heat pumps.
- ▶ Wide range of available capacities, from 800 to 1000 l.
- ▶ Maximum size heat exchanger - from 7,5/2,0 m² to 9,0/3,0 m².
- ▶ "Coil within a coil" technology.
- ▶ Insulated with detachable Neodul® insulation.

specification	unit	SG(B)	
		800	1000
catalogue number	-	72-800700	72-100700
storage capacity ¹	l	903	1015
ErP  Neodul®	-	C	C
tank's max. working pressure	MPa	0,3	
tank's max. working temperature	°C	95	
coil surface	m ²	7,5 / 2,0	9,0 / 3,0
height	mm	1935	2135
diameter	mm	1060	1060

* Details in the warranty card.

¹ According to the regulation - (UE) 812/2013, 814/2013.