

## WATER HEATERS

 EN - flyer 04/z/2021



Neptun<sup>2</sup> 120




Electronic controller



Neptun<sup>2</sup> Kombi 120  
(left version)


## ELECTRIC WATER HEATERS TYPE SG NEPTUN<sup>2</sup>

- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ Highest quality ceramic enamel EXTRA GLASS®.
- ▶ Additional protection with magnesium anode.
- ▶ Possibility to order the water heater an electronic LED display - option.

specification	unit	SG Neptun <sup>2</sup>		
		50	80	140
storage capacity <sup>1</sup>	l	53,3	85	136
ErP  polyurethane foam	-	C	C	C
tank's max. working pressure	MPa	0,6	0,6	0,6
tank's max. working temperature	°C	95	95	95
voltage	V~	230	230	230
electric heater power	W	1,5	1,5	2,0
range of working temperatures	°C	5÷75 manual (8÷77 Electronic)		
estimated time to warm up the water to 40°C (Δt=25 °C)	h	1,0	1,6	2,2
height	mm	640	920	1340
diameter	mm	480	480	480

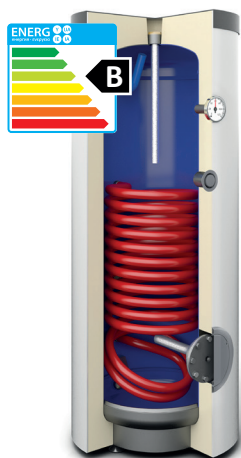
## INDIRECT WATER HEATERS WITH A SPIRAL COIL - TYPE SGW(S) NEPTUN<sup>2</sup> KOMBI

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

specification	unit	SGW(S) Neptun <sup>2</sup> Kombi			
		80	100	120	140
storage capacity <sup>1</sup>	l	82	102	112	130
ErP  polyurethane foam	-	C	C	C	C
electric heater power (230 V~)	kW	1,5	1,5	2,0	2,0
tank's max. working pressure	MPa			0,6	
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 <sup>2</sup>	0,6	0,6	0,95	0,95
height	mm	920	1080	1200	1340
diameter	mm			480	

\* Details in the warranty card.


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



SGW(S) Mini Tower

## INDIRECT WATER HEATERS WITH A SPIRAL COIL - TYPE SGW(S) MINI TOWER

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

specification	unit	SGW(S) Mini Tower		
		100	120	140
storage capacity <sup>1</sup>	l	102	114	129
ErP  polyurethane foam	-	B	B	B
tank's / coil's max. working pressure	MPa	0,6 / 1,6		
tank's / coil's max. working temperature	°C	95 / 110		
coil surface	m²	0,6	0,95	0,95
coil power (70/10/45°C)	kW	16	23	23
height	mm	1040	1150	1290
diameter	mm	518		


SGW(S) Vulcan Kombi  
free-standing 100-140



SGW(S) Vulcan Kombi  
wall-mounted 100-140

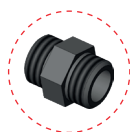
## INDIRECT WATER HEATERS WITH A SPIRAL COIL - TYPE SGW(S) VULCAN KOMBI

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

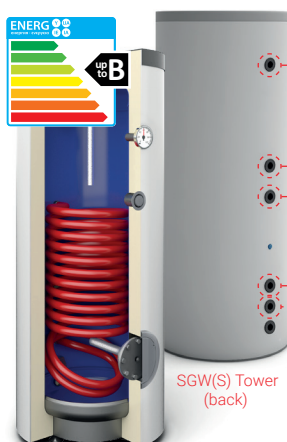
specification	unit	SGW(S) Vulcan Kombi			
		100	120	140	200
storage capacity <sup>1</sup>	l	101	113	140	194
ErP  polyurethane foam	-	C	C	C	C
tank's / coil's max. working pressure	MPa	0,6 / 1,6			
tank's / coil's max. working temperature	°C	95 / 110			
coil surface	m²	1,2	1,2	1,2	1,6
coil power (70/10/45°C)	kW	29	29	29	39
height	mm	1050	1150	1300	1190
width x depth	mm	455x455		650x650	

\* Details in the warranty card.

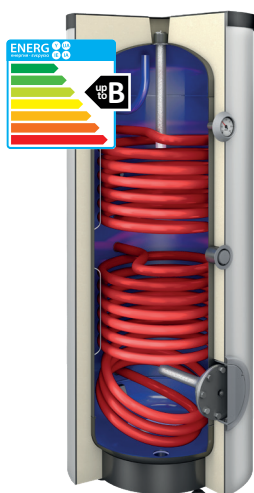
<sup>1</sup> According to the regulation - (UE) 812/2013, 814/2013.



anti-corrosion  
DIELECTRIC PROTECTION®



SGW(S) Tower 200  
(front)



SGW(S)B Tower Biwal

## INDIRECT WATER HEATERS WITH A SPIRAL COIL - TYPE SGW(S) TOWER

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

specification	unit	SGW(S) Tower					
		200	250	300	400	500	
storage capacity <sup>1</sup>	l	197	247	309	405	513	
ErP  polyurethane foam	-	B	B	B	C	B	
tank's / coil's max. working pressure	MPa	1,0 / 1,6					
tank's / coil's max. working temperature	°C	95 / 110					
coil surface	m <sup>2</sup>	1,4	1,4	1,4	1,8	2,0	
coil power (70/10/45°C)	kW	33,6	33,6	33,6	43	48	
height	mm	1100	1300	1615	1750	1950	
diameter	mm	670	670	670	700	755	

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

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

specification	unit	SGW(S)B Tower Biwal					
		200	250	300	400	500	
storage capacity <sup>1</sup>	l	197	244	299	395	496	
ErP  polyurethane foam	-	B	B	B	C	B	
tank's / coil's max. working pressure	MPa	1,0 / 1,6					
tank's / coil's max. working temperature	°C	95 / 110					
surface of the solar collector's coil	m <sup>2</sup>	1,0	1,2	1,4	1,8	2,0	
power of the solar collector's coil (70/10/45°C)	kW	24	29	33,6	43	48	
surface of the CH coil	m <sup>2</sup>	0,7	0,7	1,1	1,1	1,1	
power of the CH coil (70/10/45°C)	kW	17	17	26,4	26,4	26,4	
height	mm	1140	1300	1615	1750	1950	
diameter	mm	670	670	670	700	755	

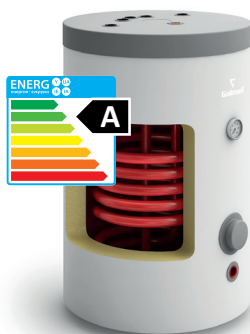


The water heaters marked with the **energy class A** symbol meet the highest technical requirements and are very energy efficient.



\* Details in the warranty card.


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

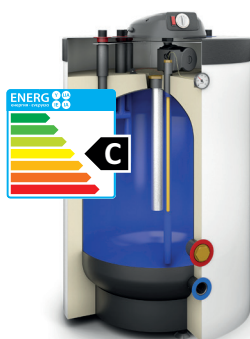


SGW(S) Rondo Premium

## WATER HEATERS FOR 1F GAS BOILERS TYPE SGW(S) RONDO PREMIUM (CLASS A)

- ▶ 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 every type of boiler: oil, gas, coal etc.
- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ Highest quality ceramic enamel EXTRA GLASS®.
- ▶ Additional protection with magnesium anode.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer as standard.


specification	unit	Rondo Premium	
		120	140
storage capacity <sup>1</sup>	l	123	139
ErP  polyurethane foam	-	A	A
tank's / coil's max. working pressure	MPa	1,0 / 1,6	1,0 / 1,6
tank's / coil's max. working temperature	°C	95 / 110	95 / 110
coil surface	m <sup>2</sup>	1,2	1,2
coil's capacity	l	8	8
coil power (70/10/45°C)	kW	29	29
efficiency	l/h	700	700
magnesium anode top cover 5/4" plug	mm	38x400	38x400
height	mm	910	1005
diameter	mm	660	660



SG(S) Fusion

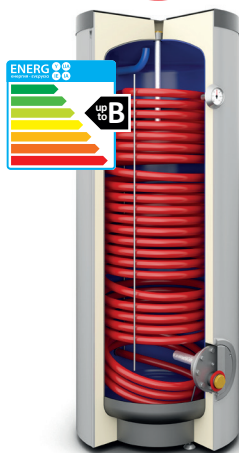
## LAYER TANK FOR 2F COMBI GAS BOILERS TYPE SG(S) FUSION

- ▶ Perfect fusion with your combi gas boiler.
- ▶ Maximum utilization of the water that is stored in layers.
- ▶ Savings on gas with small water consumption.
- ▶ Short water heating time.
- ▶ 3-stage circulation pump of adjustable output in standard.
- ▶ Small dimensions.

specification	unit	SG(S) Fusion 100	
storage capacity <sup>1</sup>	l	104	
ErP  polyurethane foam	-	C	
tank's max. working pressure	MPa	1,0	
tank's max. working temperature	°C	95	
constant delivery of DHW Δt=30K	l/h (kW)	660 (24)	774 (28)
approximate heating time at Δt=45K	min (kW)	20 (24)	16 (28)
magnesium anode top cover 5/4" plug	mm	25x390	
height	mm	900	
diameter	mm	600	

\* Details in the warranty card.

<sup>1</sup> 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

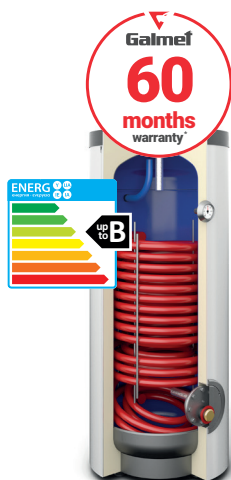
specification	unit	SGW(S) Tower Grand				
		160	200	300	400	500
storage capacity <sup>1</sup>	l	160	193	297	386	484
ErP  polyurethane foam	-	B	B	B	C	B
tank's max. working pressure	MPa	1,0	1,0	1,0	1,0	1,0
coil's max. working pressure	MPa	1,6	1,6	1,6	1,6	1,6
tank's max. working temperature	°C	95	95	95	95	95
coil's max. working temperature	°C	110	110	110	110	110
coil surface	m <sup>2</sup>	1,4	2,0	2,7	3,8	4,3
coil's capacity	l	9,8	14,0	18,9	26,5	30,5
coil power (80/10/45°C)	kW	44,8	50,0	64,0	91,0	102,0
coil power (80/10/60°C)	kW	28,0	40,0	55,0	77,5	87,0
coil power (50/10/45°C)	kW	10,0	14,0	19,0	28,0	31,0
efficiency (80/10/60°C)	l/h	485	693	953	1342	1507
demand for heating water from CH boiler	m <sup>3</sup> /h	3,0	3,0	3,0	3,0	3,0
height	mm	920	1140	1615	1750	1950
diameter	mm	670	670	670	700	755

\* Details in the warranty card.

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



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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 anode.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer as standard.



Maximum size spiral coil 3-12 m<sup>2</sup>. Made in the so-called „coil within a coil” technology - a bent tube with two diameters, a larger one and a smaller one inside the first one.



specification	unit	SGW(S) Maxi							
		250	300	400	500	700	1000	800	1000
storage capacity <sup>1</sup>	l	236	284	376	471	657	973	880	985
ErP  polyurethane foam	-	B	B	C	B	C	-	-	-
 Neodul®	-	-	-	-	-	-	C	C	C
tank's / coil's max. working pressure	MPa	1,0 / 1,6							
coil surface	m <sup>2</sup>	3,0	3,8	5,0	6,0	6,5	6,5	9,0	12,0
coil power (80/10/45°C)	kW	71,5	91	108	114	138	138	182	240
height	mm	1300	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 anode.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer as standard.

specification	unit	SGW(S) Maxi Plus				
		300	400	500	800	1000
storage capacity <sup>1</sup>	l	293	373	465	880	985
ErP  polyurethane foam	-	B	C	B	-	-
 Neodul®	-	-	-	-	C	C
tank's / coil's max. working pressure	MPa	1,0 / 1,6				
surface of the solar collector's / heat pump's coil	m <sup>2</sup>	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

<sup>\*</sup> Details in the warranty card.

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




SG(B) 80 wall-mounted

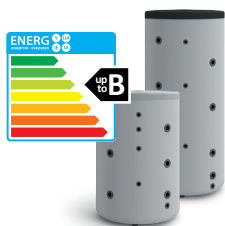
## WALL-MOUNTED, NON-ENAMELLED BUFFERS WITHOUT SPIRAL COIL - TYPE SG(B)

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



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	SG(B)					
		40	60	80	100	120	140
storage capacity <sup>1</sup>	l	40	63	86	106	118	136
ErP  polyurethane foam	-	C	C	C	C	C	C
tank's 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	30	30
height	mm	480	680	865	1015	1115	1265
diameter	mm	460	460	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 Neodul® 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
storage capacity <sup>1</sup>	l	223	322	396	467	728	883	1479	2023	2941	3985
ErP 	polyurethane foam	-	B	B	C	C	-	-	-	-	-
	Neodul®	-	-	-	-	-	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.

<sup>1</sup> 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 Neodul® insulation.

specification	unit	Multi-Inox		
		600	800	1000
storage capacity <sup>1</sup>	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	m²	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.

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




SG(S) Tower Acu 500






SG(S) Tower Acu 2000


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

- ▶ Wide range of available capacities, from 100 to 3000 l.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Highest quality ceramic enamel EXTRA GLASS®.
- ▶ Ability to install an electrical set - option.
- ▶ Thermometer as standard.

specification	j. m.	SG(S) Tower Acu		
		100	120	140
storage capacity <sup>1</sup>	l	106	120	136
ErP  polyurethane foam	-	B	B	B
tank's max. working pressure	MPa	0,6		
tank's max. working temperature	°C	95		
height	mm	1040	1150	1290
diameter	mm	518	518	518

specification	unit	SG(S) Tower Acu			
		200	300	400	500
storage capacity <sup>1</sup>	l	210	322	420	523
ErP  polyurethane foam	-	B	B	C	B
tank's max. working pressure	MPa	1,0			
tank's max. working temperature	°C	95			
height	mm	1100	1615	1750	1950
diameter	mm	670	670	700	755

specification	unit	SG(S) Tower Acu		
		700	1000	1500
storage capacity <sup>1</sup>	l	705	1019	1442
ErP  polyurethane foam	-	C	-	-
ErP  Neodul®	-	C	C	C
tank's max. working pressure	MPa	1,0	1,0	1,0
tank's max. working temperature	°C	95	95	95
height	mm	2050/2080 <sup>2</sup>	1990 <sup>2</sup>	2680 <sup>2</sup>
diameter	mm	855/860 <sup>2</sup>	1060 <sup>2</sup>	1100 <sup>2</sup>

specification	j. m.	SG(S) Tower Acu	
		2000	3000
storage capacity <sup>1</sup>	l	2040	3019
ErP  Neodul®	-	C	-
tank's max. working pressure	MPa	0,6	0,6
tank's max. working temperature	°C	95	95
height	mm	2220	2820
diameter	mm	1400	1400

\* Details in the warranty card.

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

<sup>2</sup> Neodul® (detachable).