



WATER HEATERS

EN - flyer 03/z/2018



ELECTRIC WATER HEATERS TYPE SG NEPTUN², SG VULCAN

Neptun² / Vulcan

- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ Thermostat with precise temperature control.
- ▶ Possibility to order the water heater with a self-learning SMART controller (which allows you to save up to 16% on energy costs per year) as well as electronic LED display.



Neptun²



Vulcan

Vulcan Elektronik Pro

- ▶ SQUARE Jacket Design® - modern, square shaped outer casing.
- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ Weekly work scheduler.
- ▶ Large 2,6" LCD display with the ability to adjust the brightness.
- ▶ Possibility of using off-peak rates.
- ▶ Digital temperature control.
- ▶ Features: ECO (in which the controller is maintaining the 60°C temperature), anti-legionella, frost protection.
- ▶ Service menu.

Available controllers:



Neptun² Elektronik



Neptun² SMART



Vulcan Elektronik Pro



Vulcan SMART

specification	unit	SG 40	SG 60	SG 80	SG 100	SG 120	SG 140	
storage capacity ¹	l	40	63,2	75,5	106,2	118,2	136,3	
load profile ¹	-	M	M	M	M	M	L	
ErP	Neptun ² , Neptun ² Elektronik	-	C	C	C	C	C	
	Neptun ² Smart	-	B	B	B	B	B	
	Vulcan, Vulcan El. Pro	-	C	C	C	-	-	
	Vulcan Smart	-	B	B	C	C	C	
electric heater power (230 V~)	kW	1,5	1,5	1,5	1,5	2,0	2,0	
tank's maximum working pressure	MPa	0,6						
range of working temperatures	°C	Elektronik 5÷75 (8÷77 manual)						
height	Neptun ²	mm	540	740	920	1080	1200	1340
	Vulcan	mm	540	740	920	1080	1200	1340
diameter	Neptun ²	mm	480	480	480	480	480	480
width x depth	Vulcan	mm	455x455	455x455	455x455	455x455	455x455	455x455


* Details in the warranty card.

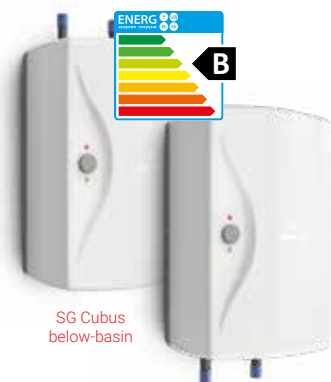
¹ According to the regulation - (UE) 812/2013, 814/2013.



ELECTRIC WATER HEATERS TYPE SG CUBUS

- ▶ Small dimensions and the possibility of mounting both above and below the sink.
- ▶ Can work as a pressure type heater (after purchasing a safety valve) or non-pressure type (to work with a three-way pressure-less battery).
- ▶ The heater is of non-pressure type by default (to work with a three-way pressure-less battery).
- ▶ Highest quality EXTRA GLASS® ceramic enamel + Mg anode.

specification	unit	SG Cubus
storage capacity ¹	l	10
load profile ¹	-	XXS
ErP  energy efficiency class	-	B
tank's max. working pressure	MPa	0+0,6
electric heater power (230 V~)	kW	1,5
range of working temperatures	°C	8+77
estimated time to warm up the water [Δt=35°C]	min	18
height x width x depth	mm	420 x 240 x 250



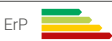
SG Cubus
below-basin

SG Cubus
above-basin



INDIRECT WATER HEATERS TYPE SGW(S) NEPTUN² KOMBI

- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Works with all types of boilers: oil, gas, coal, etc.
- ▶ Thermostat with precise temperature control.
- ▶ Possibility to order the water heater with an electronic LED display.
- ▶ Connections on either left or right side.

specification	unit	SGW(S) Neptun ² Kombi			
		80	100	120	140
storage capacity ¹	l	71,5	102,2	112	130
load profile ¹	-	M	M	M	L
ErP  energy efficiency class	-	C	C	C	C
electric heater power (230 V~)	kW	1,5	1,5	2,0	2,0
tank's / coil's max. working pressure	MPa	0,6 / 1,6			
tank's / coil's max. working temperature	°C	100 / 110			
coil surface	m ²	0,6	0,6	0,95	0,95
height	mm	920	1080	1200	1340
diameter	mm	480			



Neptun² Kombi
(left version)

* Details in the warranty card.

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



SGW(S) Mini Tower

INDIRECT WATER HEATERS TYPE SGW(S) MINI TOWER

- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Ability to install an electrical set.
- ▶ Works with all types of boilers: oil, gas, coal, etc.

specification	unit	SGW(S) Mini Tower		
		100	120	140
storage capacity ¹	l	102	114	129
ErP	polystyrene foam	-	C	C
	polyurethane foam	-	B	B
tank's / coil's max. working pressure	MPa	0,6 / 1,6		
tank's / coil's max. working temperature	°C	100 / 110		
coil surface	m ²	0,6	0,95	0,95
coil power (70/10/45°C)	kW	16	23	23
efficiency	l/h	1040	1150	1290
height	mm	518		
diameter	mm	518		

SGW(S) Vulcan Kombi
free-standing



SGW(S) Vulcan Kombi
wall-mounted

INDIRECT WATER HEATERS TYPE SGW(S) VULCAN KOMBI

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

specification	unit	SGW(S) Vulcan Kombi			
		100	120	140	200
storage capacity ¹	l	101	113	127	194
ErP	energy efficiency class	-	C	C	C
tank's / coil's max. working pressure	MPa	0,6 / 1,6			
tank's / coil's max. working temperature	°C	100 / 110			
coil surface	m ²	1,2	1,2	1,2	1,6
coil power (70/10/45°C)	kW	29	29	29	39
efficiency	l/h	700	700	700	950
height	mm	990	1090	1240	1130
width x depth	mm	455x455		650x650	

* Details in the warranty card.

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



anti-corrosion
DIELECTRIC PROTECTION®



SGW(S) Tower
(back)


SGW(S) Tower
(front)



SGW(S)B Tower Biwal


INDIRECT WATER HEATERS TYPE SGW(S) TOWER (ErP A)

- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ Faster heating of water thanks to the large surface area of the spiral coil.
- ▶ Ability to install an electrical set.
- ▶ Thermometer in standard.
- ▶ Works with all types of boilers: oil, gas, coal, etc.

specification	unit	SGW(S) Tower		
		200	250	300
storage capacity ¹	l	205	247	292
ErP  polyurethane foam	-	A	A	A
tank's / coil's max. working pressure	MPa	1,0 / 1,6		
tank's / coil's max. working temperature	°C	100 / 110		
coil surface	m ²	0,8	1,0	1,4
coil power (70/10/45°C)	kW	21,4	23,6	33,6
efficiency	l/h	526	585	814
height	mm	1445	1665	1825
diameter	mm	670	700	700

INDIRECT WATER HEATERS TYPE SGW(S)B TOWER BIWAL (ErP A)

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

specification	unit	SGW(S)B Tower Biwal		
		200	250	300
storage capacity ¹	l	199	240	286
ErP  polyurethane foam	-	A	A	A
tank's / coil's max. working pressure	MPa	1,0 / 1,6		
tank's / coil's max. working temperature	°C	100 / 110		
surface of the solar collector's coil	m ²	0,8	1,0	1,4
power of the solar collector's coil (70/10/45°C)	kW	21,4	23,6	33,6
surface of the CH coil	m ²	0,6	0,8	0,8
power of the CH coil (70/10/45°C)	kW	14,2	21,5	21,5
height	mm	1445	1665	1825
diameter	mm	670	700	700



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



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



SG(S) Fusion



SGW(S) Rondo Premium

LAYER TANK FOR DUAL FUNCTION GAS BOILERS - TYPE 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 of adjustable output.
- ▶ Small dimensions.
- ▶ Thermometer in standard.

specification	unit	SG(S) Fusion 100	
storage capacity ¹	l	104	
ErP energy efficiency class	-	C	
tank's maximum working pressure	MPa	1,0	
tank's maximum working temperature	°C	100	
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	

WATER HEATER FOR GAS BOILERS TYPE 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 every type of boiler: oil, gas, coal etc.
- ▶ Ability to install an electrical set GE - option.
- ▶ Thermometer in standard.
- ▶ Up to 50% longer service time thanks to the RESIST-TECH® protection.
- ▶ Highest quality EXTRA GLASS® ceramic enamel + Mg anode.

specification	unit	Rondo Premium	
		120	140
storage capacity ¹	l	123	139
ErP energy efficiency class	-	A	A
tank's / coil's maximum working pressure	MPa	1,0 / 1,6	1,0 / 1,6
tank's / coil's maximum working temperature	°C	100 / 110	100 / 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
efficiency	l/h	700	700
magnesium anode top cover 5/4" plug	mm	38x400	38x400
height	mm	910	1005
diameter	mm	660	660

* Details in the warranty card.

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




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INDIRECT WATER HEATERS TYPE SGW(S) MAXI, SGW(S)B MAXI PLUS

- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ Ability to install an electrical set.
- ▶ Maxi Plus is equipped with two spiral coils and can be connected to two heat sources at once (f.ex. to a heat pump and CH boiler).


▶ Both Maxi and Maxi Plus water heaters are equipped with a **maximum size heat exchanger**, the so-called „coil within a coil“ - a bent tube with two diameters, a larger one and a smaller one inside the first one.

specification	unit	SGW(S) Maxi				SGW(S)B Maxi Plus		
		250	300	400	500	300	400	500
storage capacity ¹	l	236	257	351	412	266	348	406
ErP  energy efficiency class	-	B	B	C	C	B	C	C
tank's / coil's max. working pressure	MPa	1,0 / 1,6				1,0 / 1,6		
coil surface (Maxi Plus - solar/heat pump)	m ²	3,0	3,8	5,0	6,0	1,0 / 2,2	1,5 / 3,8	1,8 / 4,8
coil power (Maxi Plus - solar) (80/10/45°C)	kW	71,5	91	108	114	26	34	38
coil power (Maxi Plus - heat pump) (50/10/45°C)	kW	22	28	37	39	22,5	28,5	35
height	mm	1300	1480	1660	1890	1480	1660	1890
diameter	mm	670	670	700	700	670	700	700



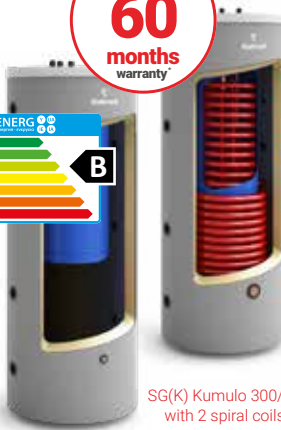
INDIRECT WATER HEATERS TYPE SGW(S)M TOWER MULTI

- ▶ Three spiral coils - three separate heating circuits.
- ▶ Up to 50% longer life thanks to the RESIST-TECH® technology.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ Ability to install an electrical set.
- ▶ Can be connected to several heat sources at once.

specification	unit	SGW(S)M Tower Multi		
		300	400	500
storage capacity ¹	l	268	363	429
ErP  energy efficiency class	-	B	C	C
tank's / coil's max. working pressure	MPa	1,0 / 1,6		
surface of the solar collector's coil	m ²	1,0	1,8	2,0
power of the solar collector's coil (80/10/45°C)	kW	32	57,6	64
efficiency	l/h	760	1380	1530
coil surface for an add. source	m ²	1,0	1,0	1,0
coil power for an add. source (80/10/45°C)	kW	32	32	32
efficiency	l/h	760	760	760
surface of the CH coil	m ²	0,7	1,1	1,1
power of the CH coil (80/10/45°C)	kW	17	26,4	26,4
efficiency	l/h	540	840	840
height	mm	1460	1660	1890
diameter	mm	670	700	700

* Details in the warranty card.

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



SG(K) Kumulo 300/80 with 2 spiral coils

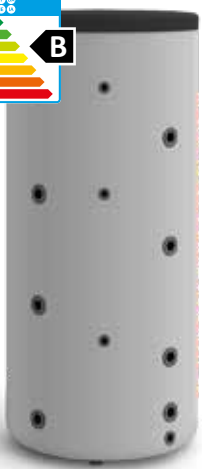
SG(K) Kumulo 300/80 without spiral coils

COMBINED HEAT ACCUMULATION VESSELS - TYPE SG(K) KUMULO

- ▶ May be equipped with one or two coils (e.g. for the solar and central heating systems).
- ▶ 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 enamelled container for DHW plus magnesium anode.
- ▶ Ability to install an electrical set.

▶ 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					
		300/80	380/120	500/160	600/200	800/200	1000/200
capacity (CH system water vessel)	l	220	260	340	400	600	800
capacity (DHW vessel)	l	80	120	160	200	200	200
ErP energy efficiency class	-	B	B	C	C	C	C
tank's pressure (CH system water / DHW)	MPa	0,3 / 0,6					
coil's maximum working pressure	MPa	0,6					
tank's / coil's maximum working temperature	°C	100 / 110					
lower coil surface	m ²	1,6	2,1	2,1	2,1	2,4	2,4
upper coil surface	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



SG(B) 200 in polyurethane foam

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

- ▶ Capacities from 200 l to 5000 l.
- ▶ Water tank (buffer) for de-mineralised boiler water.
- ▶ Can be non-insulated or insulated with polyurethane foam.
- ▶ Heat supply from several independent sources of heat.
- ▶ Also available with one or two spiral coils.

specification	unit	SG(B) 200	SG(B) 300	SG(B) 400
storage capacity ¹	l	223	305	387
ErP energy efficiency class	-	B	B	C
tank's max. working pressure	MPa	0,3		
tank's max. working temp.	°C	100		
height	mm	1140	1480	1830
diameter	mm	670	670	700

* Details in the warranty card.

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



Multi-Inox
in detachable
Neodul® insulation

Multi-Inox
with two
steel coils
(cross-section)

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 SPIRAFLEX 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.
- ▶ 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.
- ▶ Spirally corrugated stainless steel water heater (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.
- ▶ 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 central heating boiler.
- ▶ The accumulator is thermally insulated with soft, detachable Neodul® insulation.

specification	unit	Multi-Inox					
		450	600	800	1000	1500	2000
storage capacity ¹	l	450	597	726	911	1390	1904
ErP	polyurethane foam	-	C	-	-	-	-
	Neodul®	-	-	C	C	C	C
tank's maximum working pressure	MPa	0,3					
maximum working temperature of the tank with a CH water	°C	90					
maximum working temperature of the solar spiral coil / C.H. spiral coil	°C	110					
coil surface (upper /down)	m ²	-	1,4/1,4	1,8/1,8	1,8/1,8	3,0/2,4	4,5/3,0
coil capacity	l	-	9,8/9,8	12,6/12,6	12,6/12,6	20,9/16,8	33,5/20,9
maximum working pressure of the upper spiral coil	MPa	1,6					
maximum working pressure of the solar spiral coil	MPa	1,6					
maximum working pressure of domestic hot water – SPIRAFLEX	MPa	0,6					
maximum working temperature of domestic hot water – SPIRAFLEX	°C	90					
coil capacity of domestic hot water – SPIRAFLEX	m ²	4,7	5,65	5,65	6,95	6,95	8,00
coil surface for DHW – SPIRAFLEX	l	32,5	39	39	48	48	56
flow through the DHW exchanger at 45°C – SPIRAFLEX	l/min	25	25	30	36	45	53
flow efficiency at 65°C (constant temperature at constant tank volume) at water temperature 45°C	l	195	240	290	360	430	525
power of the SPIRAFLEX stainless steel water heater (feed temperature approx. 65°C)	kW	50	61,5	61,5	90	105	128
height	mm	1930	1900	1880	2270	2665	2500
diameter	mm	700	860	950	950	1100	1300

* Details in the warranty card.

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

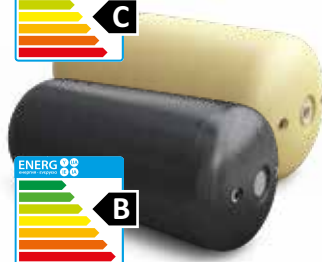


SGW(L)x2

HORIZONTAL WATER HEATERS - TYPE SGW(L)x2 WITH A DOUBLE U-SHAPED COIL

- ▶ Patented insulation technology makes polystyrene foam to conform to the shape of the surface of the tank, creating a uniform coating without any joints, breaks and thermal bridges.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ The double U-shaped coil is made from one piece of a 5/4" pipe.
- ▶ Circulation coupling as standard.
- ▶ Coupling for CH boiler sensor as standard.
- ▶ Ability to install an electrical set.
- ▶ Also available with a single U-shaped coil.

specification	unit	SGW(L)x2					
		80	100	120	140	200	300
storage capacity ¹	l	85	103,5	114	132	204	272
ErP	polystyrene foam	-	C	C	C	C	C
	polyurethane foam	-	C	C	C	C	-
tank's / coil's max. working pressure	MPa	0,6 / 0,6	0,6 / 0,6	0,6 / 0,6	0,6 / 0,6	0,6 / 0,6	0,6 / 0,6
tank's / coil's max. working temperature	°C	100 / 110	100 / 110	100 / 110	100 / 110	100 / 110	100 / 110
coil surface	m ²		0,38		0,52	0,58	0,64
coil power (70/10/45°C)	kW		9,15		12,5	14	15,3
width	mm	930	1090	1200	1350	1180	1460
external diameter	mm	470	470	470	470	660	660



SGW(L)P

DOUBLE-JACKET WATER HEATERS TYPE SGW(L)P

- ▶ HIGH EFFICIENCY – water is heated using a steel jacket placed on almost the entire surface of the tank.
- ▶ Patented insulation technology makes polystyrene foam to conform to the shape of the surface of the tank, creating a uniform coating without any joints, breaks and thermal bridges.
- ▶ EXTRA GLASS® ceramic enamel + magnesium anode.
- ▶ Circulation coupling as standard.
- ▶ Coupling for CH boiler sensor as standard.
- ▶ Ability to install an electrical set.

specification	unit	SGW(L)P 80	SGW(L)P 100	SGW(L)P 120	SGW(L)P 140
storage capacity ¹	l	88,5	107	119	137
ErP	polystyrene foam	-	B	B	B
	polyurethane foam	-	C	C	C
tank's / coil's max. working pressure	MPa	0,6 / 0,2	0,6 / 0,2	0,6 / 0,2	0,6 / 0,2
tank's / coil's max. working temperature	°C	100 / 110	100 / 110	100 / 110	100 / 110
coil surface	m ²	0,50	0,70	0,83	1,02
coil power (70/10/45°C)	kW	12,0	16,7	19,8	24,4
demand for heating water from CH boiler	m ³ /h	1,4	1,4	1,6	1,6
width	mm	850	1000	1090	1290
external diameter (polyurethane / polystyrene)	mm	470 / 505	470 / 505	470 / 505	470 / 540

* Details in the warranty card.

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