

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

NEPTUN² KOMBI, MINI TOWER, VULCAN KOMBI

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

specification	unit	SGW(S) Neptun ² Kombi			
storage capacity ¹	l	80	100	120	140
load profile ¹	-	M	M	L	L
ErP energy efficiency class	-	C	C	C	C
tank's maximum working pressure	MPa	0,6	0,6	0,6	0,6
coil's maximum working pressure	MPa	1,6	1,6	1,6	1,6
tank's maximum working temperature	°C	95	95	95	95
coil's maximum working temperature	°C	110	110	110	110
coil's surface	m ²	0,6	0,6	0,95	0,95
coil's capacity	l	2,6	2,6	4,1	4,1
coil's power (70/10/45°C)	kW	16	16	23	23
efficiency	l/h	390	390	560	560
coil's power (80/10/45°C)	kW	21,1	21,1	30,4	30,4
efficiency	l/h	510	510	740	740
electric heater power	kW	1,5	1,5	2,0	2,0
range of working temperatures	°C	Elektronik 5-75 (8-77 manual)			
est. time to warm up the water to 40°C	h	1,6	2,0	1,9	2,2
demand for heating water from CH boiler	m ³ /h	2,5	2,5	2,5	2,6
magnesium anode 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 (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
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	51	57	64	71

diagram of SGW(S) Neptun² Kombi (right version) 80-140

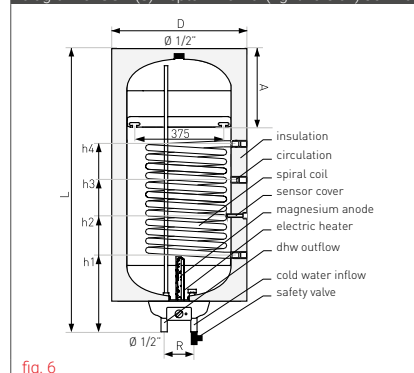


fig. 6

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

specification	unit	SGW(S) Mini Tower		
storage capacity ¹	l	100	120	140
ErP polystyrene foam polyurethane foam	-	C	C	C
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
efficiency	l/h	390	560	560
coil's power (80/10/45°C)	kW	21,1	30,4	30,4
efficiency	l/h	510	740	740
demand for heating water from CH boiler	m ³ /h	2,5	2,5	2,6
magnesium anode 5/4" plug	mm	25x390	25x390	25x390
h1 - cold water inflow (int. thread)	" / mm	3/4 / 210	3/4 / 165	3/4 / 165
h2 - CH water outflow (int. thread)	" / mm	3/4 / 310	3/4 / 250	3/4 / 250
h3 - sensor cover (Ø)	" / mm	3/8 / 400	3/8 / 375	3/8 / 375
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 - 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	55	60	65

diagram of SGW(S) Mini Tower 100-140

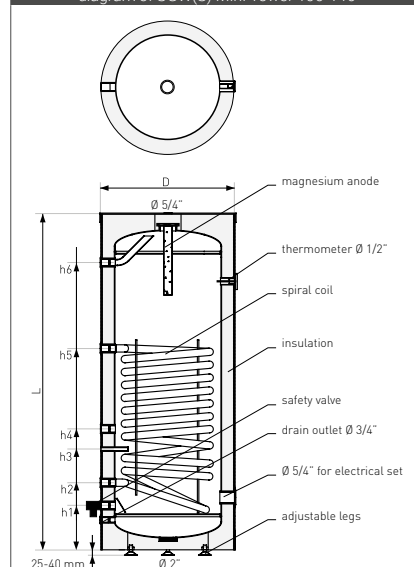


fig. 7

Technical specification of the SGW(S) Vulcan Kombi (wall-mounted and free-standing)

specification	unit	SGW(S) Vulcan Kombi			
storage capacity ¹	l	100	120	140	200
ErP energy efficiency class	-	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
efficiency	l/h	700	700	700	950
demand for heating water from CH boiler	m ³ /h	2,5	2,5	2,5	2,6
magnesium anode 5/4" plug ⁴	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	85

diagram of SGW(S) Vulcan Kombi 100-200 (free-standing)

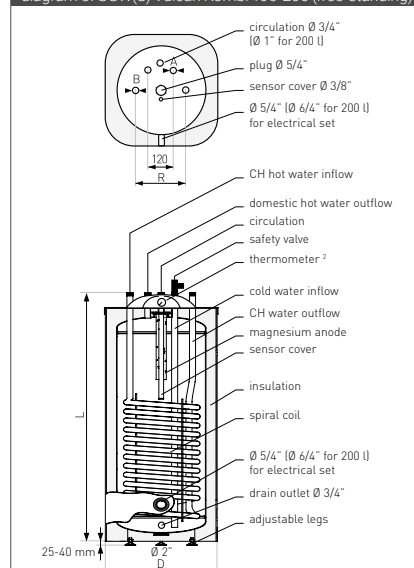


fig. 8

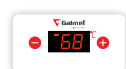
¹ According to the (EU) 812/2013, 814/2013.

² In 200 water heaters the thermometer is located on the heater's housing.

⁴ In the SGW(S) Vulcan Kombi (wall-mounted) the magnesium anode is mounted on a M8 screw in the lower part of the tank.



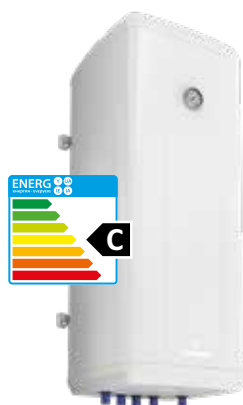
pic. 10
Neptun² Kombi (left version)



pic. 11
Neptun² Elektronik
controller



pic. 12
SGW(S) Mini Tower



pic. 13
SGW(S) Vulcan Kombi
wall-mounted 100-140



pic. 14
SGW(S) Vulcan Kombi
free-standing 100-140

SGW(S) Neptun² Kombi (wall-mounted)

cat. no.	type	description
06-084670	80	
06-104670	100	spiral coil, polyurethane foam, metal casing, electric heater, EXTRA GLASS® ceramic enamel, magnesium anode (right version)
06-124670	120	
06-144670	140	
06-084671	80	
06-104671	100	spiral coil, polyurethane foam, metal casing, electric heater, EXTRA GLASS® ceramic enamel, magnesium anode (left version)
06-124671	120	
06-144671	140	

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.

SGW(S) Mini Tower (free-standing)

cat. no.	type	description
26-104000	100	spiral coil, polystyrene foam, artificial leather / PVC film, EXTRA GLASS® ceramic enamel, magnesium anode
26-124000	120	
26-144000	140	
26-108000	100	spiral coil, polyurethane foam, artificial leather / PVC film, EXTRA GLASS® ceramic enamel, magnesium anode
26-128000	120	
26-148000	140	

SGW(S) Vulcan Kombi (free-standing)

cat. no.	type	description
26-105500	100	spiral coil, polyurethane foam, metal casing, EXTRA GLASS® ceramic enamel, magnesium anode
26-125500	120	
26-145500	140	
26-205500	200	

SGW(S) Vulcan Kombi (wall-mounted)

cat. no.	type	description
26-105600	100	spiral coil, polyurethane foam, metal casing, EXTRA GLASS® ceramic enamel, magnesium anode
26-125600	120	
26-145600	140	

Electric heaters for the SGW(S) Vulcan Kombi (wall-mounted)

cat. no.	description
40-130607	electric heater 2 kW, 230V for enamelled water heater on the Ø 125 mm flange / with 5 screws (steel cover), manufactured before 10.2017
40-130609	electric heater 2 kW, 230V for enamelled water heater on the Ø 125 mm flange / with 5 screws (steel cover), manufactured after 10.2017
40-140432	heater control module SGW(S) Vulcan Kombi Elektronik 230V

We recommend using Galmet's electrical sets for our water heaters.



Thanks to the **RESIST-TECH®** technology, the service life of the electric water heaters is increased by up to 50%. How? By compensating electromagnetic potentials between the magnesium anode and an electric heater.

* Details in the warranty card.

Standard colour of the metal jacket - white; artificial leather / PVC film - grey.
Available housing colours and special equipment - page 38.