

INDIRECT WATER HEATERS WITH A SPIRAL COIL **TYPE SGW**

TOWER, BIG TOWER

Technical specification of the SGW Tower

specification	unit	SGW Tower				
		200	250	300	400	500
storage capacity ¹	l	197	247	309	405	513
ErP polyurethane foam	-	B	B	B	C	B
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	1,4	1,4	1,4	1,8	2,0
coil's capacity	l	9,8	9,8	9,8	12,6	14,0
coil's power (70/10/45°C)	kW	33,6	33,6	33,6	43	48
efficiency	l/h	800	800	800	1030	1150
coil's power (80/10/45°C)	kW	44,8	44,8	44,8	57,6	64
efficiency	l/h	1070	1070	1070	1380	1530
magnesium anode top cover 5/4" plug ⁴	mm	38x400	38x400	38x400	38x400	38x600
insp. hole M8 screw	mm	38x200	38x200	38x200	38x200	38x200
h1 - cold water inflow (int. thread)	" / mm	1 / 210	1 / 210	1 / 130	1 / 240	1 / 180
h2 - CH water outflow (int. thread)	" / mm	1 / 290	1 / 285	1 / 280	1 / 320	1 / 320
h3 - sensor cover (Ø)	" / mm	3/8 / 435	3/8 / 440	3/8 / 435	3/8 / 570	3/8 / 530
crk - circulation (int. thread)	" / mm	3/4 / 680	3/4 / 600	3/4 / 650	3/4 / 770	3/4 / 1320
h4 - CH hot water inflow (int. thread)	" / mm	1 / 790	1 / 755	1 / 750	1 / 870	1 / 970
h5 - DHW outflow (int. thread)	" / mm	1 / 860	1 / 1085	1 / 1355	1 / 1470	1 / 1650
sleeve for mounting an electrical set (int. thread)	"	6/4	6/4	6/4	6/4	6/4
insp. hole (external Ø / internal Ø)	mm	180/120	180/120	180/120	180/120	180/120
d - internal diameter	Ø	550	550	550	600	630
D - external diameter	Ø	670	670	670	700/800 ³	755/830 ³
L - height	mm	1100	1300	1615	1750	1950
net weight	kg	84	108	118	137	157

Technical specification of the SGW Big Tower

specification	unit	SGW Big Tower		
		700	1000	1500
storage capacity ¹	l	694	1005	1433
ErP polyurethane foam	-	C	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 power (70/10/45°C)	kW	57,6	64,8	64,8
efficiency	l/h	1380	1580	1580
coil's power (80/10/45°C)	kW	76,8	86,4	86,4
efficiency	l/h	1840	2110	2110
magnesium anode top cover 5/4" plug ⁴	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
sleeve for mounting an electrical set (int. thread)	"	6/4	6/4	6/4
insp. hole (external Ø / internal Ø)	mm	280/205	280/205	280/205
d - internal diameter	Ø	700	900	900
D - external diameter	Ø	855/860 ³	1055/1060 ³	1100 ³
L - height	mm	2050/2080 ³	1960/1990 ³	2650/2680 ³
net weight	kg	260	415	540

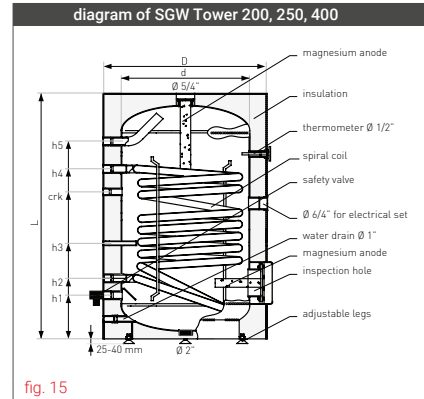


fig. 15

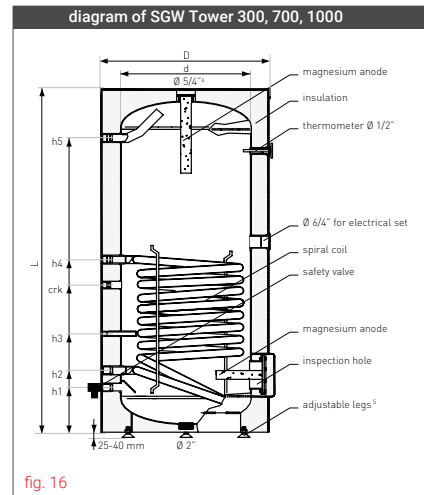


fig. 16

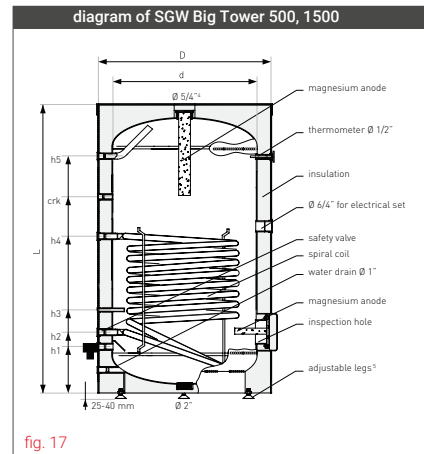


fig. 17

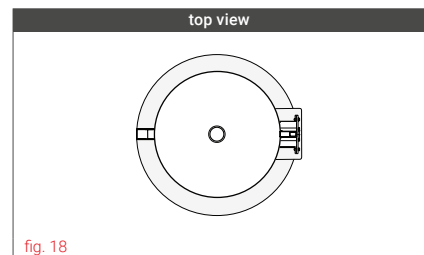


fig. 18

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

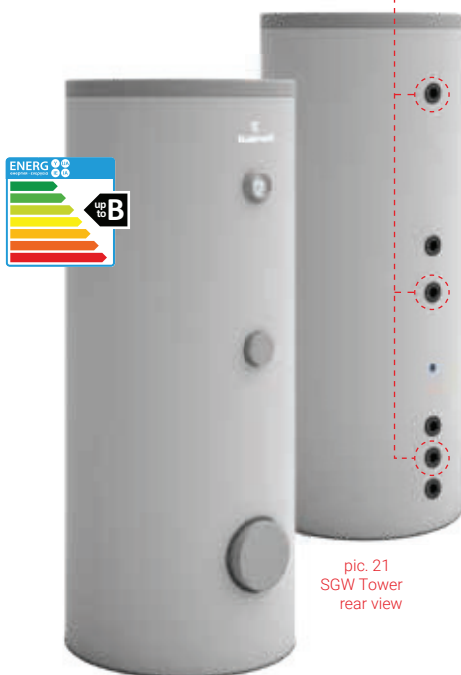
³ Neodul® (detachable).

⁴ For 700, 1000 and 1500 l capacities, the magnesium anode plug is 2".

⁵ Applies to 200-500 l capacities.



pic. 19
DIELECTRIC PROTECTION®



pic. 20
SGW Tower
front view

pic. 21
SGW Tower
rear view



pic. 22
SGW Big Tower
in Neodul® insulation

SGW Tower

cat. no.	type	description
26-208000	200	
26-258000	250	
26-308000N	300	spiral coil, polyurethane foam, artificial leather / PVC film, EXTRA GLASS® ceramic enamel, magnesium anode
26-408000N	400	
26-504000N	500	

SGW Big Tower

cat. no.	type	description
26-704000N	700	spiral coil, polyurethane foam, artificial leather / PVC film, EXTRA GLASS® ceramic enamel, magnesium anode
36-104000N	1000	
26-704600N	700	spiral coil, Neodul® insulation, artificial leather / PVC film, EXTRA GLASS® ceramic enamel, magnesium anode
36-104600N	1000	
36-154600N	1500	

Advantages of the SGW Tower and Big 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.
- ▶ Ability to install an electrical set.
- ▶ Thermometer in standard.
- ▶ Highest quality EXTRA GLASS® ceramic enamel.
- ▶ Additional protection with magnesium anode.

For SGW Tower and SGW 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 electrical sets for our water heaters - page 37.

For the highest DHW efficiency we recommend installing an electrical set consisting of two elements (heater + control module) in the inspection hole Ø 180 mm. The inspection hole diameter for the 700-1500 l water heaters is Ø 280 mm.

▶ 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.