

GB 30-200

Pressurised electric water heaters



Volumes: 30, 50, 80, 100, 120, 150, 200 l.

Vertical wall mounting or horizontal floor mounting.

High – quality thermal insulation.

Indirect air heating element.

Arbitrary water temperature setting up to 75°C. with a rotating knob

Temperature setting options:

economical temperature

protection against freezing.

Thermometer displaying water temperature inside water heater.

Indicator of electric heating element operation.

Tank made of high quality steel sheet, enamel coated at 850°C.

Magnesium anode for additional anti-corrosion protection of tank.

Large diameter of heating flange (100 mm) allows simple cleaning and maintenance.

Indirect air heating elements – reliable operation, simple maintenance

Tubular air heating elements are inserted into the heating flange made of special steel and enamelled against corrosion. Compared to conventional immersion heating elements, the advantages of indirect heating element are as follows:

the replacement of heating elements is simple as it is not required to empty the water heater before repair,

the heating flange incorporates 2 or more heating elements electrically connected in parallel, assuring a higher reliability of operation (if one heating element fails, the water heater still operates),

the limestone depositing is reduced and removing the limestone deposit is simpler,

the inside surface is completely enamel coated (no blank surfaces, compared to the models with immersion heating elements) therefore Mg anode consumption is reduced and consequently its life span is longer.

Properties

MODEL	GB 30 N	GB 50 N	GB 80 N	GB 100 N	GB 120 N	GB 150 N	GB 200 N
Volume [l]	30	50	80	100	120	150	200
Purpose							
One or more outlets	•	•	•	•	•	•	•
Vertical wall mounting	•	•	•	•	•	•	•
Horizontal floor mounting	•	•	•	•	•	•	•
Number of persons - average consumption	1	2	3 - 4	4 - 5	5 - 6	6 - 8	8 - 10
Dimensions of Connections							
Height (mm)	527	583	803	948	1103	1318	1510
Width (mm)	454	500	500	500	500	500	500
Depth (mm)	461	507	507	507	507	507	507
Connections to the supply network	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net /	20/	27/	33/	38/	43/	49/	66/

gross weight / with water [kg]	22/ 50	30/ 77	36/ 113	41/ 138	47/ 163	54/ 199	70/ 266
Technical Characteristics							
Working pressure [bar]	6	6	6	6	6	6	6
Enamelled steel tank	•	•	•	•	•	•	•
Magnesium protective anode	•	•	•	•	•	•	•
Selection of temperatures up to 75 °C	•	•	•	•	•	•	•
Protection against freezing	•	•	•	•	•	•	•
Heating element control lamp	•	•	•	•	•	•	•
Thermometer	•	•	•	•	•	•	•
Average thickness of insulation [mm]	34	40	40	40	40	40	25
Degree of protection against humidity	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
Electrical Characteristics							
Number of heating elements x power [W]	3x700	2x1000	2x1000	2x1000	2x1000	2 x 1000	2 x 1000
Rated power output [W]	2100	2000	2000	2000	2000	2000	2000
Voltage 230 V ~	•	•	•	•	•	•	•
Nominal current [A]	9,1	8,7	8,7	8,7	8,7	8.7	8.7
Functional Characteristics							
Heating time from 15 to 75 °C	1h 05min	1h 55min	3h 05min	3h 55min	4h 35min	5h 45 min	7h 40 min
Amount of available mixed water at 40 °C [l] ²	54	96/80	151/130	199/174	238/210	296/260	394/350
Thermal losses [kWh/ 24 h] ³	0,90/0,90	1,00/1,13	1,20/1,40	1,33/1,46	1,55/1,70	1.64/1.85	2.10/2.35
Connection Fittings							
Safety valve or safety group	•	•	•	•	•	•	•
Reduction valve for pressure > 5 bar	•	•	•	•	•	•	•
Transportation							
Packaging dimensions [mm]	480 x 490 x 595	600 x 600 x 682	600 x 600 x 905	600 x 600 x 1050	600 x 600 x 1205	600 x 600 x 1420	600 x 600 x 1615

(1) Values are valid for mixing water with a temperature of 15°C from the cold inlet with water at 65°C from the heater (SIST EN 60379:2005 standard).

(2) Measured at 20°C ambient temperature and 65°C water temperature in the heater (SIST EN 60379:2005 standard).

* When connected as pressurised, use of safety valve is mandatory.