

GBK – Combined pressurised electric water heater

The GBK water heater is equipped with an additional heat exchanger and is intended exclusively for vertical wall mounting. It is suitable for use in family homes, where during the winter season, it can be operated in conjunction with a central heating system, while in summertime, it can be connected to a solar collector system. During central or solar heating, the water can be additionally heated by an electrical heating element, while during non- activity, the water can be heated by an electrical heating element.

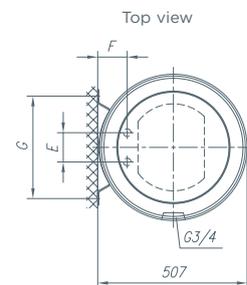
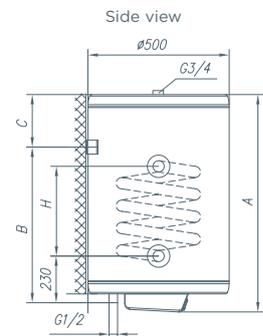
- Volumes: 80, 100, 120, 150, 200 l.
- Vertical wall mounting.
- Combination of electrical heating and heating from another source via tubular heat exchanger.
- High-quality thermal insulation.
- External regulation.
- Additional possibility of setting desired temperature to:
 - economical temperature
 - protection against freezing.
- RN – right side inlet connection.
- LN – left side inlet connection.
- Indirect tubular air-heating elements.
- Simple installation and maintenance.



COMBINED ELECTRICAL
WATER HEATER



MODEL	GBK 80 RN/LN	GBK 100 RN/LN	GBK 120 RN/LN	GBK 150 RN/LN	GBK 200 RN/LN
Volume [l]	80	100	120	150	200
PURPOSE					
One or more outlets	✓	✓	✓	✓	✓
Vertical wall mounting	✓	✓	✓	✓	✓
Left / right connections for heat exchanger	G 3/4	G 3/4	G 3/4	G 3/4	G 3/4
Number of persons – average consumption	3 - 4	4 - 5	5 - 6	6 - 8	8 - 10
DIMENSIONS OF CONNECTIONS					
A [mm]	803	948	1103	1318	1510
B [mm]	565	715	865	1065	1050
C [mm]	205	200	205	220	430
D [mm]	340	416	416	416	416
Connections to the supply network	G 1/2	G 1/2	G 1/2	G 1/2	G 1/2
Net / gross weight / with water [kg]	51/54/131	56/59/156	62/66/182	72/76/222	90/95/295
TECHNICAL CHARACTERISTICS					
Working pressure [bar]	6	6	6	6	6
Enamelled steel tank	✓	✓	✓	✓	✓
Protective magnesium anode	✓	✓	✓	✓	✓
Selection of temperature to 75°C	✓	✓	✓	✓	✓
Protection against freezing	✓	✓	✓	✓	✓
Heating element control lamp	✓	✓	✓	✓	✓
Thermometer	✓	✓	✓	✓	✓
Average thickness of insulation [mm]	40	40	40	40	25
Degree of protection	IP 24	IP 24	IP 24	IP 24	IP 24
HEAT EXCHANGER					
Area of the exchanger [m ²]	0,70	0,90	0,90	0,90	0,90
Max. pressure of the heating medium [bar]	6	6	6	6	6
Max. input temperature [°C]	85	85	85	85	85
ELECTRICAL CHARACTERISTICS					
Number of heating elements x power [W]	2 x 1000	2 x 1000	2 x 1000	2 x 1000	2 x 1000
Rated power output [W]	2000	2000	2000	2000	2000
Voltage 230 V -	✓	✓	✓	✓	✓
Nominal current [A]	8.7	8.7	8.7	8.7	8.7
FUNCTIONAL CHARACTERISTICS					
Heating time from 15 to 75°C with electricity	3h 05min	3h 55min	4h 35min	5h 45min	7h 40min
Heating time from 15 to 45°C using heat exchanger	17min	12min	15min	18min	24min
Amount of available mixed water at 40°C [l] ⁽¹⁾	141	187	224	286	387
Thermal losses [kwh/24h] ⁽²⁾	1.39	1.58	1.77	2.05	2.50
TRANSPORTATION DATA					
Packaging dimensions [mm]	600x600x902	600x600x1047	600x600x1202	600x600x1417	600x600x1609



⁽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 (standard SIST EN 60379:2005).

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

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

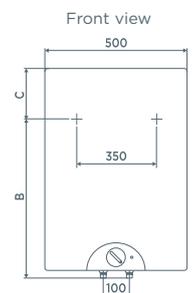
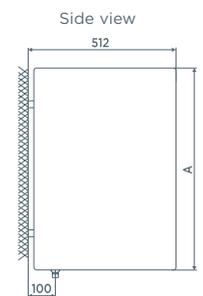
OTG – Pressurised electric water heater

The OTG generation is distinguished by its original angular oval design and quality electric immersion heater. The tank is manufactured from a high-quality steel sheet and is protected against corrosion by an enamel coating and a protective magnesium anode. The thick insulation, made of hard polyurethane foam, keeps thermal losses to a minimum. The OTG heater is intended exclusively for vertical wall mounting.

- Volumes: 30, 50, 80, 100, 120, 150, 200 l.
- Vertical wall mounting.
- Angular design.
- Superb thermal insulation.
- Arbitrary water temperature setting of up to 75°C.
- Additional functions:
 - thermometer
 - display of electrical heating element operation
 - temperature setting options:
 - economical temperature
 - protection against freezing.
- Simple installation and maintenance.



MODEL	OTG 30 N	OTG 50 N	OTG 80 N	OTG 100 N	OTG 120 N	OTG 150 N	OTG 200 N
Volume [l]	30	50	80	100	120	150	200
PURPOSE							
One or more outlets	✓	✓	✓	✓	✓	✓	✓
Vertical wall mounting	✓	✓	✓	✓	✓	✓	✓
Number of persons - average consumption	1	2	3 - 4	4 - 5	5 - 6	6 - 8	8 - 10
DIMENSIONS OF CONNECTIONS							
A [mm]	510	610	830	975	1130	1345	1563
B [mm]	310	400	600	750	900	1100	1100
C [mm]	235	240	260	255	260	275	493
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 / gross weight / with water [kg]	21/24/51	28/31/78	34/37/114	39/42/139	44/47/164	50/54/200	72/77/272
TECHNICAL CHARACTERISTICS							
Working pressure [bar]	6	6	6	6	6	6	6
Enamelled steel tank	✓	✓	✓	✓	✓	✓	✓
Protective magnesium anode	✓	✓	✓	✓	✓	✓	✓
Continuous temperature selection to 75°C	✓	✓	✓	✓	✓	✓	✓
Protection against freezing	✓	✓	✓	✓	✓	✓	✓
Heating element control lamp	✓	✓	✓	✓	✓	✓	✓
Thermometer	✓	✓	✓	✓	✓	✓	✓
Average thickness of insulation [mm]	55 - 100	40 - 85	40 - 85	40 - 85	40 - 85	40 - 85	25 - 70
Degree of protection	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
ELECTRICAL CHARACTERISTICS							
Rated power output [W]	2000	2000	2000	2000	2000	2000	2000
Voltage 230 V -	✓	✓	✓	✓	✓	✓	✓
Nominal current [A]	8.7	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 45min	7h 40min
Amount of available mixed water at 40°C [l] ⁽¹⁾	54	96	151	199	238	296	394
Thermal losses [kWh/24h] ⁽²⁾	0.55	0.62	0.86	1.02	1.17	1.41	2.10
TRANSPORTATION DATA							
Packaging dimensions [mm]	575x600x620	575x600x720	575x600x940	575x600x1085	575x600x1240	575x600x1455	575x600x1673



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

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

OGB EDD – Pressurised electric water heater

These heaters are equipped with an accurate, intelligible and easy-to-use electronic regulator, which assures optimal energy consumption. It provides a clear display of the heating element's status, magnesium anode consumption and actual and desired water temperature in the tank. Because of its smaller outside dimensions it is suitable for apartments as well as for other smaller premises.

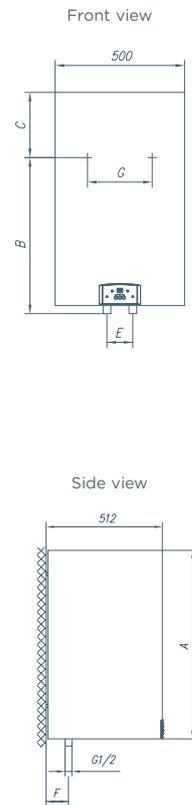
- Volumes: 30, 50, 80, 100, 120, 150, 200 l
- Original angular shape.
- Indirect tubular air - heating elements
- High-quality insulation for lower heat loss.
- Simple installation and maintenance.

Electronic controller

- Mg anode consumption measurement.
- Electrical heating element operation indicator.
- Temperature range adjustment 35°C to 75°C (accuracy 1°C).
- Temperature selection (menu button):
 - arbitrary temperature setting up to 75°C (1°C accuracy)
 - freeze protection (7°C)
 - economical temperature (55°C)
 - manual mode selection
- Numerical display:
 - displays actual temperature in water heater
 - thermostat / thermometer sensor failure
 - extremely low temperatures
 - overheating (actual temperature exceeds 99°C).



MODEL	OGB 30 EDD	OGB 50 EDD	OGB 80 EDD	OGB 100 EDD	OGB 120 EDD	OGB 150 EDD	OGB 200 EDD
Volume [l]	30	50	80	100	120	150	200
PURPOSE							
One or more outlets	✓	✓	✓	✓	✓	✓	✓
Vertical wall mounting	✓	✓	✓	✓	✓	✓	✓
Number of persons – average consumption	1	2	3 - 4	4 - 5	5 - 6	6 - 8	8 - 10
DIMENSIONS OF CONNECTIONS							
A [mm]	510	610	830	975	1130	1345	1563
B [mm]	310	400	600	750	900	1100	1100
C [mm]	235	240	260	255	260	275	493
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 / gross weight / with water [kg]	23/26/53	30/33/80	36/39/116	41/44/141	46/49/166	52/56/202	78/82/278
TECHNICAL CHARACTERISTICS							
Working pressure [bar]	6	6	6	6	6	6	6
Enamelled steel tank	✓	✓	✓	✓	✓	✓	✓
Protective magnesium anode	✓	✓	✓	✓	✓	✓	✓
Thermometer	✓	✓	✓	✓	✓	✓	✓
Average thickness of insulation [mm]	55 - 100	40 - 85	40 - 85	40 - 85	40 - 85	40 - 85	25 - 70
Degree of protection	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24	IP 24
FUNCTIONS OF ELECTRONIC REGULATION							
Manual mode selection	✓	✓	✓	✓	✓	✓	✓
Automatic setting to economical temperature	✓	✓	✓	✓	✓	✓	✓
Automatic setting to "freeze prevention"	✓	✓	✓	✓	✓	✓	✓
Display of temperature setting	✓	✓	✓	✓	✓	✓	✓
Display of actual water temperature	✓	✓	✓	✓	✓	✓	✓
Indication of heating element operation	✓	✓	✓	✓	✓	✓	✓
Magnesium anode consumption measurement	✓	✓	✓	✓	✓	✓	✓
Indication of thermostat/thermometer failure	✓	✓	✓	✓	✓	✓	✓
Indication of extremely low temperatures	✓	✓	✓	✓	✓	✓	✓
Indication of over heating	✓	✓	✓	✓	✓	✓	✓
ELECTRICAL CHARACTERISTICS							
Rated power output [W]	2100	2000	2000	2000	2000	2000	2000
Voltage 230 V -	✓	✓	✓	✓	✓	✓	✓
FUNCTIONAL CHARACTERISTICS							
Heating time from 15 to 75°C	1h 05min	1h 55min	3h 05min	3h 55min	4h 35min	5h 45min	7h 40min
Amount of available mixed water at 40°C [l] ⁽¹⁾	54	96	151	199	238	296	394
Thermal losses [kWh/24h] ⁽²⁾	0.55	0.62	0.86	1.02	1.17	1.41	2.10
TRANSPORTATION DATA							
Packaging dimensions [mm]	575x600x620	575x600x720	575x600x940	575x600x1085	575x600x1240	575x600x1415	575x600x1673



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