

MANUFACTURER OF HEATING ELEMENTS



GW heaters

GW heaters are a family of heating elements adapted for the heating of different baths in vats and tanks which work in a vertical position. The heater has a module construction and consists of a tube made from a suitable material resistant to chemical compounds, a ceramic cartridge heater and a housing resistant to chemicals which also shields the current connections. It is also available with a temperature controller with a power supply cable.

Materials for tube: quartz glass, hard porcelain, steel St 34-2, stainless steel 1.4301/1.4404/1.4571, teflon PTFE, others
Heated length Lh : 250-1800mm
Voltage: 230V, 400V, 3x400V
Power: 500 ... 6000W
Working temperature: up to 100 °C
Protective housing: IP 65

Application:
Direct heating of water, acid, alkaline and other fluids.

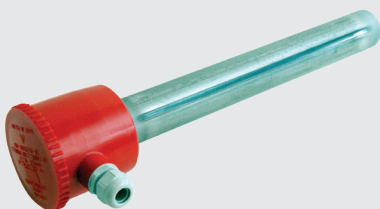
GW-1



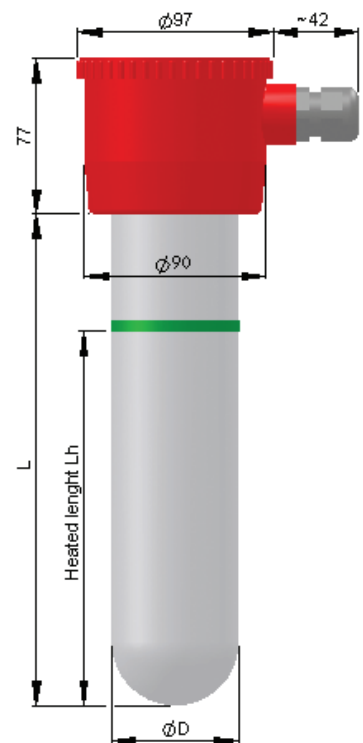
GW-2



GW-3



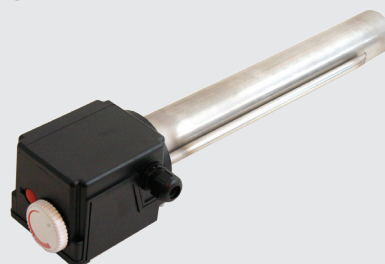
GW-4



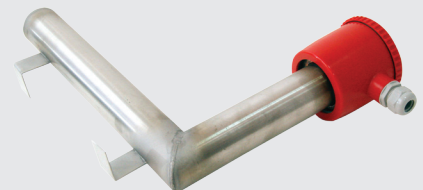
GW-5



GW-T



GW-K



ETG heater

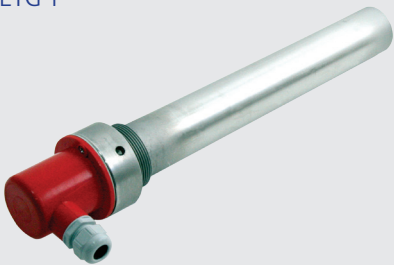
The ETG heater is especially suitable for heating water, oil, etc. In its basic version, it consists of a ceramic heating element in a tube housing. For mounting, the head with a thread is provided and the current connections are shielded by a plastic guard or a metal guard with a cable gland.

The construction of the heating element enables easy replacement and inspection of the cartridge heater without the need to dismantle the entire heater.

Material of tube:	steel St-34-2, stainless steel 1.4301/1.4404/1.4571, others
Length:	160 ... 3000mm
Voltage:	230V, 400V, 3x400V
Power:	200 ... 8000W
Operating temperature:	up to 150 °C
Thread:	G1" ... G 2 1/2", others

Application:
Water heaters, industry cleaning machines, oil tanks, baths, preheaters, etc.

ETG-P



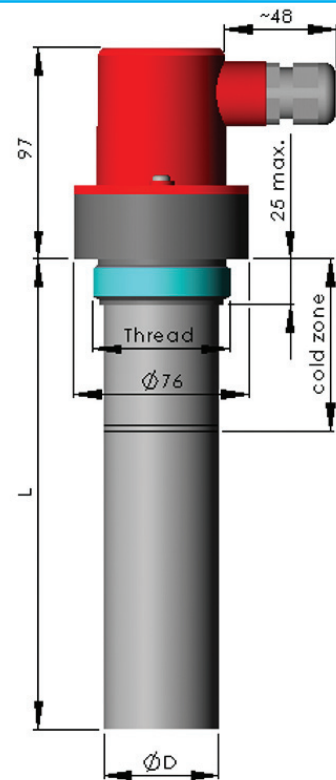
ETG-G



ETG-M



ETG-S



ETG-T



ETG-ML



ETG-F



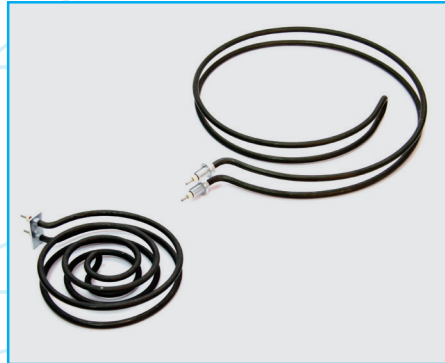
Tubular heating elements

Tubular heating elements are the most universal type of heaters. For the sake of free forming of the elements, these heaters qualify to many applications.

Diameter: $\varnothing 6,4\text{mm}$, $\varnothing 8,5\text{mm}$, $\varnothing 10\text{mm}$, $\varnothing 12,5\text{mm}$, $\varnothing 16\text{mm}$
 Length: 250mm ... 4750mm
 Voltage: 12V... 440V
 Metal sheath: 1.4301, 1.4404, 1.4541, 1.4571, 1.4828, 1.4876, 2.4858
 Fins: $\varnothing 18\text{mm}$, $\varnothing 28\text{mm}$, 50x25mm.

Application:

Air heaters, dryers, air curtains, heating tunnels, bakery ovens, boilers, storage heaters, fryers, sterilizers, industrial washers.



Screw-in immersion heaters

Immersion heating elements are used for direct heating of various liquids. Because of its construction, it allow to put relatively big power in one screw-in head. Version with thermostat allow adjust the requested temperature.

Diameter: $\varnothing 6,4\text{mm}$, $\varnothing 8,5\text{mm}$
 Length: 250mm ... 4750mm
 Voltage: 12V... 440V
 Metal sheath: 1.4301, 1.4404, 1.4541, 1.4571, 1.4828, 1.4876, 2.4858, Cu
 Power: 1,5-24kW
 Voltage: 230V, 400V, 3x400V, others
 Head material: steel, stainless steel, brass
 Thermostat: 1-pole (2-77°C), 3-pole (30-75°C), others

Application:

Storage liquid heaters, cleaning baths, oil preheaters, solar systems, exchange heaters, industrial liquid heaters.



Ceramic heating elements

Ceramic heaters are used for air heating but mainly for heating of liquids (indirect). The heater has a module construction, easy for installation.

Diameters: $\varnothing 10\text{mm}$, $\varnothing 16\text{mm}$, $\varnothing 20\text{mm}$, $\varnothing 27\text{mm}$, $\varnothing 32\text{mm}$, $\varnothing 36\text{mm}$,
 $\varnothing 39\text{mm}$, $\varnothing 45\text{mm}$, $\varnothing 48\text{mm}$, $\varnothing 57\text{mm}$, others

Length: 100mm ... 4000mm

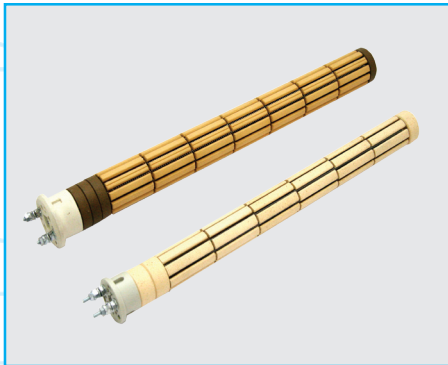
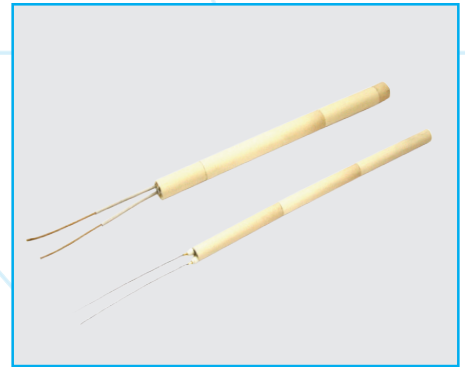
Capacity load: max. $6\text{W}/\text{cm}^2$

Voltage: 24V ... 400V

Working temperature: max. 600°C

Application:

Bakery ovens, air dryers, storage water heaters, technological baths, oil preheaters, steam boilers.



Cartridge heaters

Cartridge heaters are elements of special construction which enable emission of large amounts of heat from small area.

Diameter range: $\varnothing 6 \dots 30 \text{ mm}$

Length: 25 ... 2000 mm (depending on the diameter)

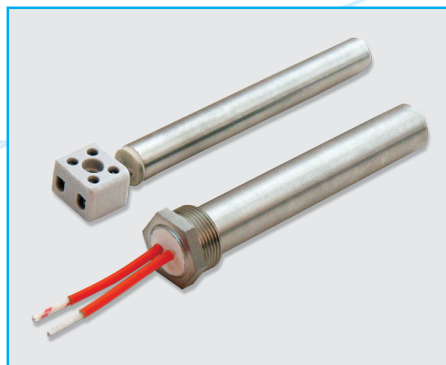
Surface loading: max $55 \text{ W}/\text{cm}^2$, optimum value $5 \div 15 \text{ W}/\text{cm}^2$

Casing material: stainless steel

Working temperature: 500°C (AISI321), 750°C (Incoloy800)

Application:

Injection moulds, casting moulds, medical devices, hot stamps, ultrasound cleaners, heating up equipment.



Established in 1992, TERMIK is a Polish manufacturer of electric heating elements. Owing to our experience and dynamic development we are present in many sectors of industry. All the types of heating elements are produced with the use of modern machines and equipment and top quality materials.

Our heaters are installed in household appliances, ventilation devices, water heaters, gastronomic equipment, powder paint shops, meat processing devices, injection moulding machines, injection moulds, plating tanks, etc.

The heating elements produced by our company are sold both on the domestic market and abroad.

All elements are customised to meet the customers' needs, they are made according to the documentation and specimens provided by the customer. As a dynamically developing company we are able to meet the challenges presented by orders from our customers.

Thank you for your interest. We will be glad to cooperate with you.



Termik Sp. z o.o.
Marcinkowo 106
PL 11-700 Mrągowo

tel +48 89 741 73 75
fax +48 89 741 87 25
E-mail: info@termik.pl

www.termik.pl
GPS: 53°51'08" N
21°16'20" E