



Tubular heaters

- max. operating temperature: up to 800°C
- power supply: from 12V to 380V
- heater diameters: from 6 to 13 mm
- high-quality and stable electrical parameters
- long lifetime and stability
- high allowable surface temperatures of sheath
- sheath: carbon steel, brass, Cr-Ni steel
- various termination types: cable, screw, threaded fastener

Tubular heaters are designed to work in air or liquid. Due to the possibility of any shape of the heating element, they are suitable for many applications. It is possible to build individual elements into very powerful heating units. The selection of materials for heating elements depends on the working conditions, i.e. working temperature, surface load, working environment. They are the most popular method of electric heating in the industry.

- Features:
- high and stable quality of electric parameters resulting from the central position of the heating coil,
 - long life and stability of heater operating resulting from the use of homogeneous and dense insulation consisting of the highest quality magnesium oxide (MgO) as well as the use of the highest quality resistance wires,
 - high surface loading and high allowable surface temperature of the tube resulting from the application of the highest quality stainless steel tubes.

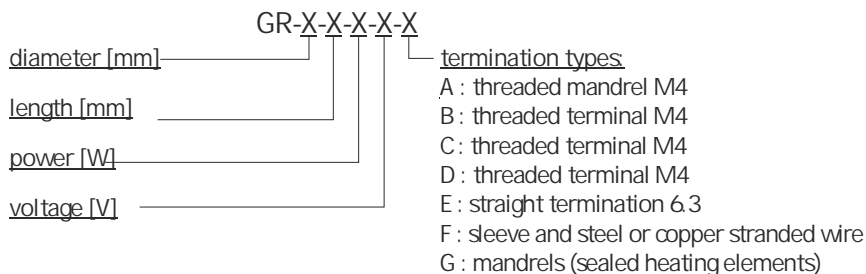
TECHNICAL DATA

Parameters	GR
Heater diameter	metric: Ø6,4 mm, Ø6,9 mm, Ø8 mm, Ø8,5 mm, Ø10 mm, Ø10,2 mm, Ø13 mm
Diameter tolerance	±0,1 mm
Range of length	200 ÷ 3600 mm
Supply voltage	12V ÷ 380V
Sheath material	alloy steel (AISI 321, AISI 316, Incoloy 800), carbon steel, copper, brass, aluminum
Surface loading	up to 25 W/cm ² , depends on environment and tube material
Operating temperature	max. 800°C (Incoloy 800), max. 650°C (AISI-321), max. 600°C (chromium steel), max. 350°C (carbon steel), max. 300°C (aluminum), max. 250°C (copper, brass)

TERMINATION TYPES

Sign	Drawing	Description
A		threaded mandrel M4
B		threaded terminal M4
C		threaded terminal M4
D		threaded terminal M4
E		straight termination 6.3
F		sleeve and steel or copper stranded wire
G		mandrels (sealed heating elements)

ORDERING



Ordering sample:
 GR-20-500-300-230-A
 Tubular heater GR type, dimension 20 mm, length 500 mm,
 power 300W, voltage 230V, A termination type

