



ISOHEAT®



High Tech Engineering

LabHEAT® Industrial heating mantles series KM-TG for operating temperatures up to 450 °C

Application:

Industrial heating mantles are used in many production areas and in the process technology to heat cylindrical flange and spherical vessels up to 200 litres capacity.

Construction:

The chrome-nickel heating element is highly temperature resistant and it will be disposition divided evenly in distance by the crocheted glass yarn. The number of the heating zones depends on the different sizes.

The thermal insulation between the heating element and the outer mantle prevents heat losses to the outside.

The standard built-in temperature sensor NiCr-Ni is limit the temperature in the lower heating zone.

Mounting / Installation:

The industrial heating mantles can be fixed with four movable threaded bolts in a carrying frame or other appropriate devices. A filled glass vessel should be considered separately.

Temperature control:

Plug-in control system for continuously variable setting the power in each heating zone in combination with direct temperature control of the medium.

Note:

On request we also produce industrial heating mantles with temperature sensors in each heating zones and for cylindrical flange or other glass vessels.



Technical specification

KM-TG

Nominal voltage	230 / 400 V AC
Nominal power outlet	see ordering details
Heating zones	see ordering details
Temperature controlling	NiCr-Ni-sensor in lower zone
Safety class	I
System of protection	IP 00
Heating element temperature	max. 450°C
Power supply cable	3 m with special plug for connecting to one of our control systems

Ordering details

Volume ml/l	Flask Ø mm	Power	Heating zones	Part-no.
10	280	1600	3	97013280
10	290	1600	3	97013290
20	350	2400	3	97023350
20	365	2400	3	97023365
50	490	4500	3	97053490
50	510	4500	3	97053510
100	610	6000	3	97103610
100	610	6000	4	97104610
200	750	9000	4	97204750
200	760	9000	4	97204760
200	750	9000	5	97205750
200	760	9000	5	97205760

For orders please give us the following information:

- Flask diameter
- Diameter of the bottom hole
- Temperature controlling of the medium
- Temperature limiting of the heating zone



Accessories

We supply for these industrial heating mantles controllers and temperature regulators.



Control system
KM-RKL./1004



Control system
KM-RPL./4004