

Professional heating technology for
industry and laboratory applications

MOHR & CO
Laborhandels-gesellschaft mbH

Industrial heating mantles series HM-TG

for surface temperatures up to 450°C



Applications:

These 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 will be constantly kept in a 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 the loss of the heat to the outside. A NiCr-Ni-sensor to limit the temperature is installed in the lower heating zone.

Mounting / Installation:

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

Temperature control:

Connector-ready control and regulation units for stepless adjustment of the power in each heating zone available on request.

Note:

We manufacture our industrial heating mantles with temperature sensors in each heating zone, for cylindrical flange or other glass vessels and also to heat explosive oder easily flammable medias, on request. Custom made products - heating element in a waterproof version or in a stainless steel housing - even on request.



Technical data

HM-TG

nominal voltage	230 / 400 V AC
nominal power	see order data
heating zones	see order data
temperature control	NiCr-Ni-sensor in the lower heating zone
protection class	I
protection type	IP 00
element temperature (switched on)	max. 450°C
net connection cable	1,5 m with multi-pin plug for heating and sensor for direct connection to our control an regulation units

When placing orders, you have to give the following data:

- Flask diameter or flask model
- Diameter of the bottom hole
- Temperature control of the medium
- Temperature limitation of the heating zones

Order data

capacity l	glass vessels Ø mm	power W	heating zones	order-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

Accessories

For these industrial heating mantles we offer you an optimally matched programme of control an regulation systems:



Control and regulation unit
HM-RKL./1004



Control and regulation unit
HM-RKL./2004



Control and regulation unit
HM-RPL./4004

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