

ELECTRIC HEATING SOLUTIONS - EXCHANGERS - PACKAGES

NEWS 2011

MASTERWATT



GOST-R

Masterwatt has obtained an extension of its GOST-R certificate for flanged and screw plug heaters.

Heaters suitable for Explosion proof areas IIB-IIC zone 1-2 G/D.

Heaters suitable for temperature conditions $-60 \div +70$ °C.



NEW ATEX Ex-d JB HEATERS

Heaters suitable for explosion proof areas IIC zone 1-2 G/D up to 28" Flange - max. length 4000 mm.

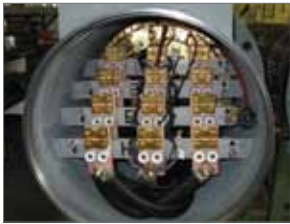
Heaters suitable for temperature conditions $-60 \div +70$ °C.

Pressure condition: up to 250 Bar.

Temperature condition up to 400 °C.

Power up to: 5.000 kW installed into a single flanged heater.

Degree protection up to IP68



TUBULAR HEATERS Ex-e

Masterwatt has obtained a new ATEX certification to produce electrical tubular heaters in execution Ex-e.

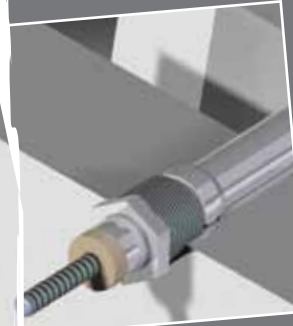
Pipe diameter allowable: 16 - 12.5 - 10 - 8 mm - length: 8200 mm.

Materials: carbon steel, stainless steel 304 - 316 - 321 - 316Ti - INCOLOY 800 / 825 - INCONEL 600 / 625 - TITANIUM.



HYDRAULIC TEST FACILITIES

Masterwatt has recently installed in its plant a bulky hydraulic test facility capable to allow the hydraulic testing of electric heaters up to 300 bar. The maximum allowable dimensions of the bundle are: $\varnothing 720$ mm x length 4000 mm. The facility is also equipped with service connections that can be used to pressurise complete electric heat exchangers by using the same pump and instrumentation of the facility itself.



BITE COUPLING SEALING

Masterwatt has developed a new manufacturing solution for the connection of the heating elements onto the flange. This solution is based on the adoption of a particular threaded connection called bite coupling that allows the dismantling of the heating elements from the flange. Heaters suitable for explosion proof areas IIB-IIC zone 1-2 G/D. Heaters suitable for temperature conditions $-60 \div +70$ °C.



THERMOREGULATOR

Thermoregulators tailored to perform the thermal control of electric heaters and electric heat exchangers. Formats 48x48, 96x48 mm. Inputs/outputs can be extended in a modular way. Timer, ramp, program function math and logic function. Modbus, Profibus DP interface.