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EMBEDDED HEATING ELEMENTS

The heating elements are embedded in aluminium, brass, copper-nickel or cast iron. These sturdy and tightly sealed products are designed for use in severe industrial surroundings (impacts, vibrations) to provide even heating, flat or cylindrical.

Aluminium-moulded elements, used for heating applications up to 400 °C, can have a maximum mass of 400 kg. Brass-moulded elements (maximum process temperature : 600°C) and Cupronickel-moulded elements (maximum process temperature : 650°C) can have a maximum mass of 300 kg.

Duplicate-moulded elements (collars, plates,...) are manufactured on request. Devices can be produced according to ATEX directives.

Gravity moulding is performed either in a sand mould or in a metal mould depending upon the number of pieces and the mechanical characteristics required.

Duplicate-moulded elements may be fitted with sheaths for the following functions :

- cooling by means of circulating water or cooling fluid
- heating of compressed air or pressurised gas etc.



WORKING TEMPERATURES RECOMMENDED

Aluminium	400 °C
Brass	600 °C
Cupro nikel	650 °C
Casting	750 °C

TECHNICAL DATA

- Power Supply: single or three phase, 230/400V or other demand.
- Specific load on the element: 20 W / cm².
- Weight limits: Aluminum 300 Kgs Brass 400 Kgs
- Connection box or proof sealing
- Electrical Connections by screw terminals or soldered onto the cable exits the heating elements.
- Manufacture and finishing on demand
- Assembly by screws.
- Lagging demand according to temperature..