

HEATER BANDS

STAINLESS STEEL NOZZLE HEATERS



Technical Description:

Stainless steel nozzle band heaters are the perfect solution for high performance needs. They are born to meet the growing request for higher and higher wattages and working temperatures.

General information:

If our nozzle heater bands are delivered with feeding cables without insulation (naked connection) or with removable insulation (covered with gls-sleeving) the customer themselves have to take care about the protection.

Installation:

When installing the nozzle heater band, please make sure to mount it tightly screwing up the opposite bolts (with hexagonal head).
After reaching working temperature or after 5-10 minutes, tighten the screws further to compensate for thermal linear expansion of the heater.
Repeat this process after a few hours.
Not following the operation above may cause over heating of parts of the heater that are not perfectly in contact with the nozzle, and consequently the resistive filament may burn.

Temperature controllers:

Temperature controllers have to match the power consumption and the used temperature sensor.
Only install temperature controllers with automatic soft start function so that any moisture which may have entered the heating element will escape slowly.

Properties:

Specific wattage:	Up to 8 W/cm ²
Working temperature:	380/400°C
Lead Axial exit angle:	45°
Standard feeding voltage:	230°C
Storage:	Store at room temperature in dry conditions

Material:

Tube:	Stainless Steel
Wire:	Ni-Cr 80/20 wire
Wire Insulation:	Mica Insulation
Conductor:	Nickel
Conductor insulation:	Teflon fibreglass
Conductor protection:	Metal braided

Connections:

- Protect connections against the ingress of liquids and gases to avoid short circuits.
- Install the connections away from sharp edges or parts since this may also cause short circuits.
- Protect connection leads against the effects of temperature and place them in a proper way.
- Pay attention to connection voltage.
- Pay attention to the thermocouple leads' correct polarization and protect them against accidental contact with the heaters.

Operation:

Safety procedures for handling electrical items and applications must be followed. Do not touch the nozzle heater bands while in use, and make sure that the heating elements cannot touch flammable material while in use.