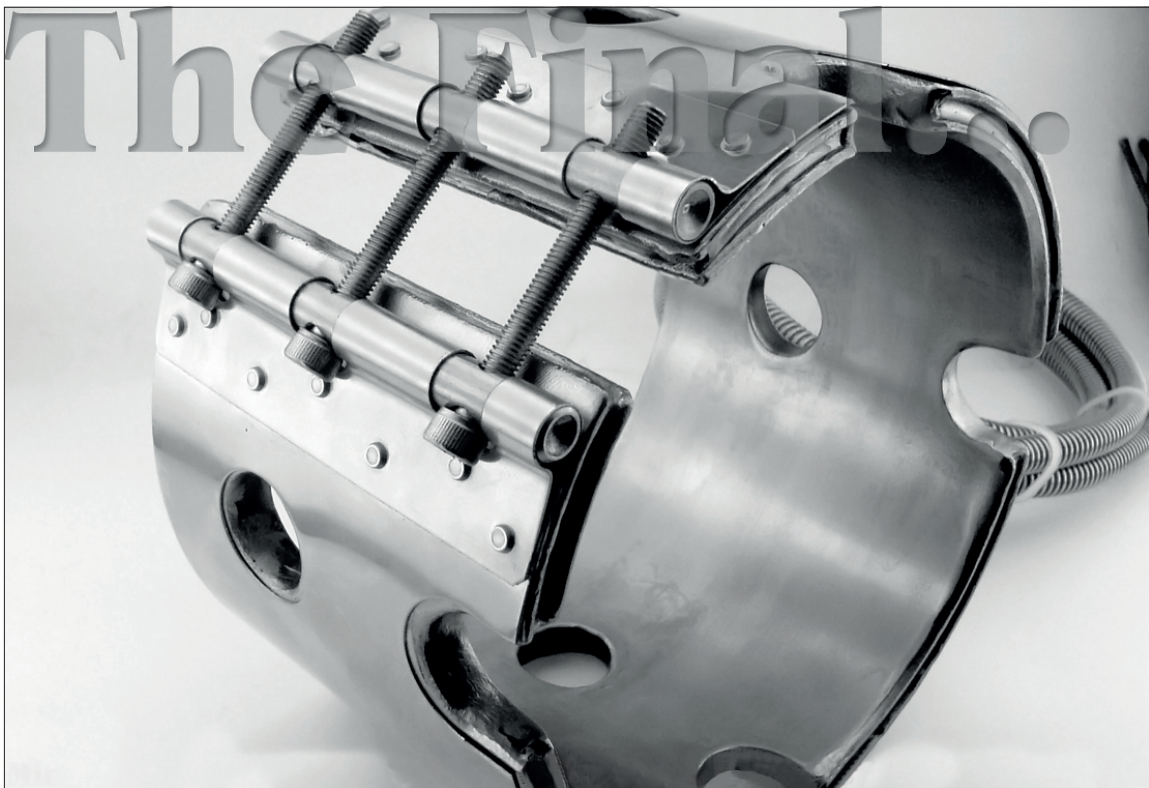




**Mineral Insulated
Nozzle Band
Heaters**



MI "Heavy Duty" Nozzle Band Heaters



Specifications:

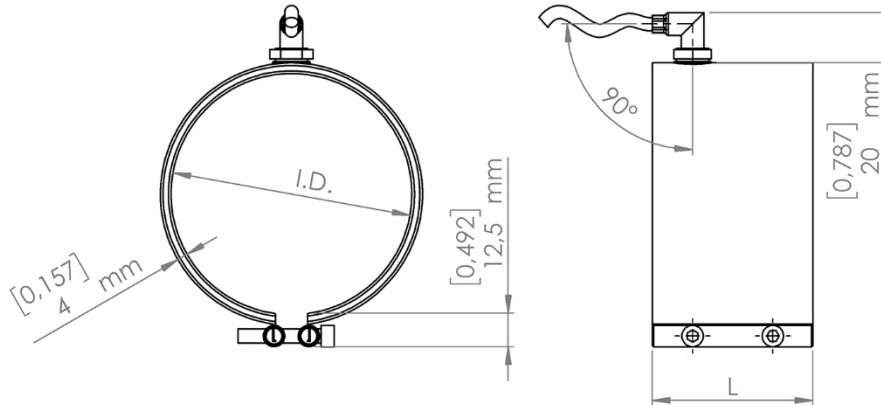
- MgO (Magnesium Oxide) Insulation
- Rigid Structure (*Compressed*)
- 8,5mm (0,334in) or 4mm (0,157in) Thickness
- TIG Welded all around (Sealed for leakages)
- Optional Protection up to IP68 (*Waterproof*)
- Optional Bore Hole(s) for External Thermocouple
- Up to 700°C (1292°F) Working Temperature
- AISI 304 Stainless Steel Sheath
- Optional Built-in Thermocouples (Type J, Type K, Type PT-100)
- Standard Voltage 230V (Optional 48V, 120V, 240V, 380V, 400V, 440V, 460V, 480V, 575V)

Tolerances:

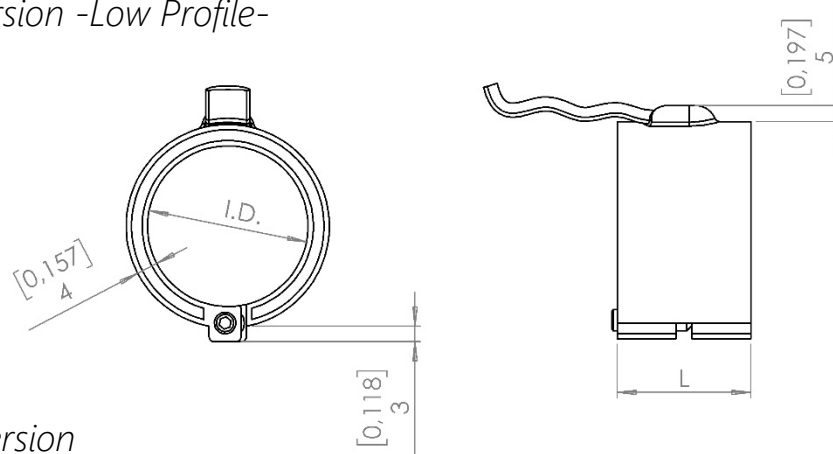
- Wattage +/- 10%
- Dielectric Strength 1500V
- +/- 0,3mm (0.0118in) in Diameter
- +/- 1mm (0.0393in) in Length
- +/- 1cm (0.393in) in Lead Length

Dimensions

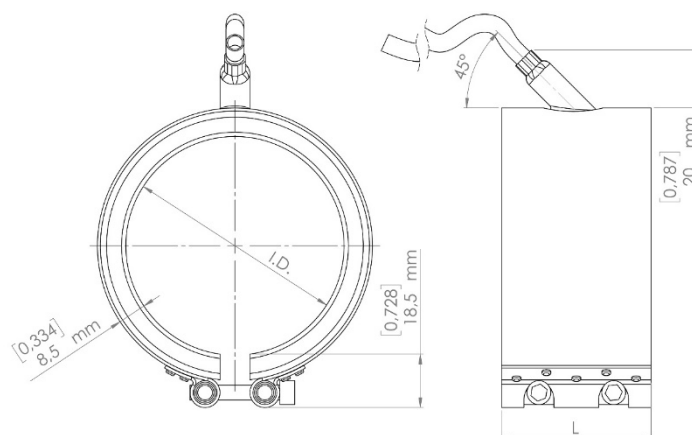
- *Thin Version*



- *Thin Version -Low Profile-*

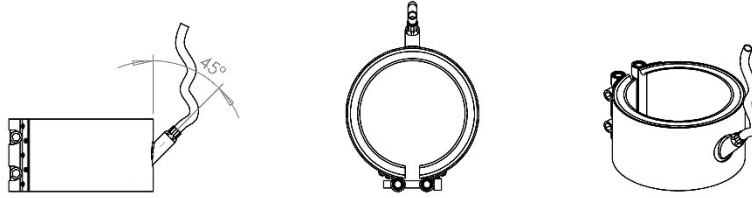


- *Thick Version*

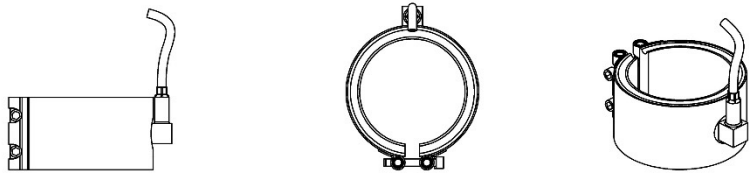


Termination Types

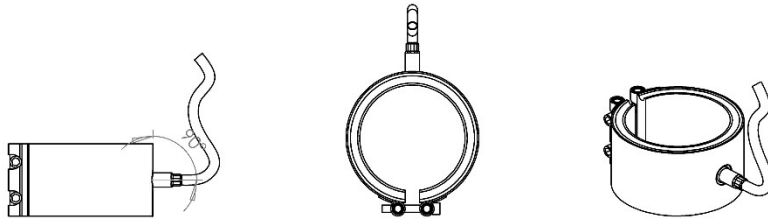
Type 1



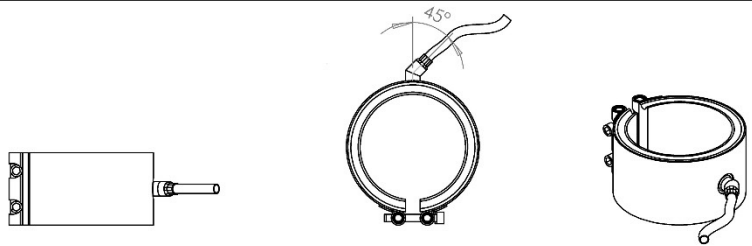
Type 2



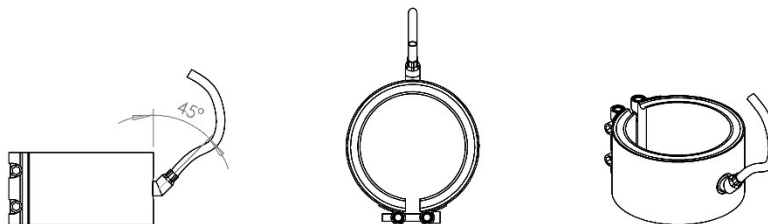
Type 3



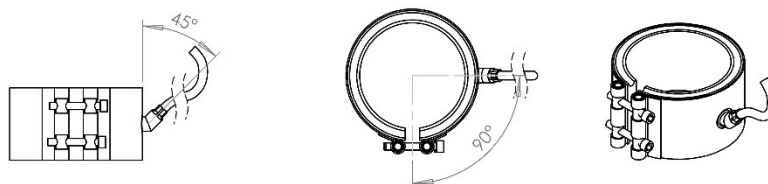
Type 4

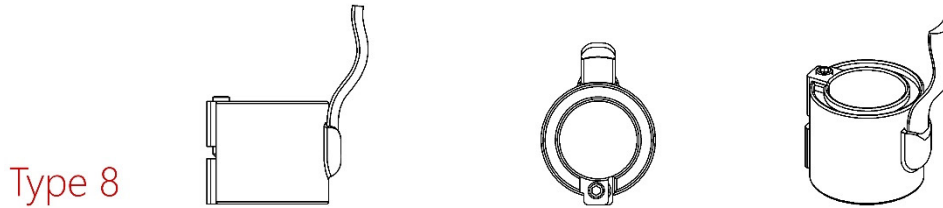
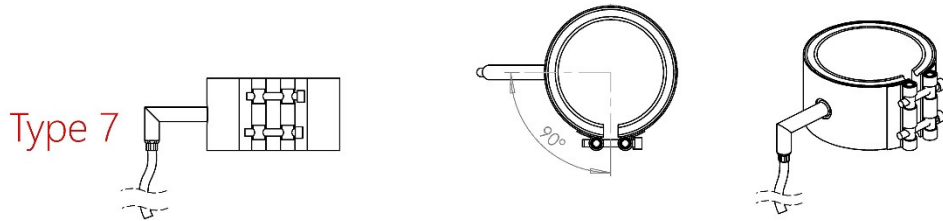


Type 5

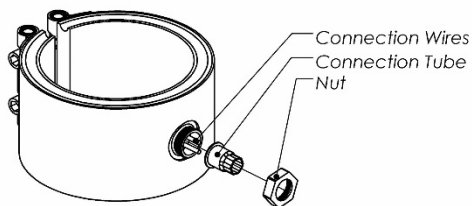
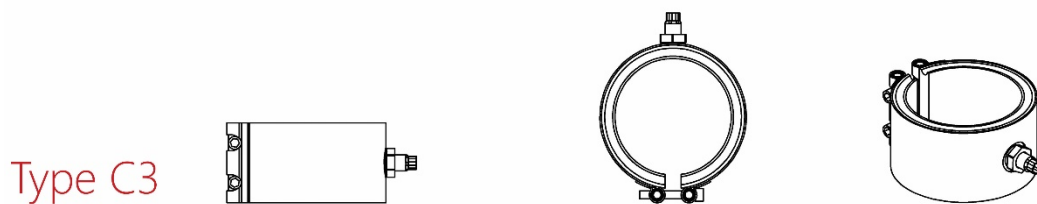
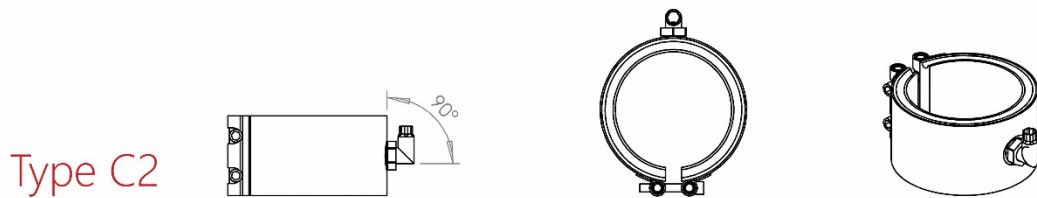
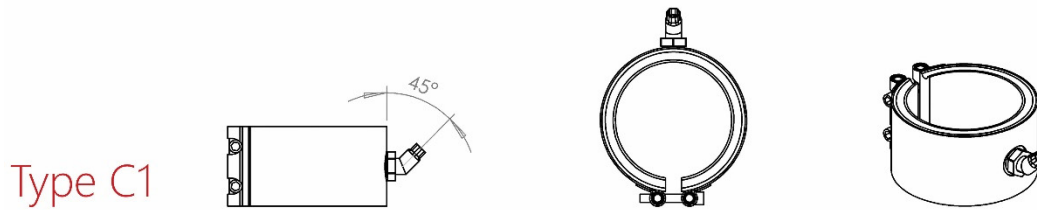


Type 6





- Changeable Terminations (available for both Thin and Thick versions)



* Connection Tubes can be rotated 360° until it is tightened by the Nut.

* After the wires and the leads are connected, it is not recommended to rotate the connection tube.

What are the benefits of our MI (Magnesium Oxide Insulated) Nozzle/Band Heaters?

Compared to the Mica Insulated Nozzle Heaters;

- Most mica insulated nozzle heaters can offer a maximum working temperature of 350°C, but our mineral insulated nozzle heaters can reach up to **700°C (1292°F)** working temperature.
- Due to its compressed body, it is rigid and more resistant to physical damages
- Mica insulated nozzle heaters are not fully sealed, and this may lead to the failure of the heater in case of contact with water, fluidic plastic etc. But, our mineral insulated nozzle heaters are totally sealed against any kind of leakages. Upon request, they can be manufactured according to IP68.

Compared to other Mineral Insulated Nozzle Heaters;

- Our "Magnesium oxide" insulated nozzle heaters are compressed with hydraulic pressing machines. Others on the market are just rolled without being compressed.
- Our "Magnesium oxide" insulated nozzle heaters can be manufactured with bore hole(s) and still sealed for any kind of leakages.
- Because of its compressed structure, resistance wires are surrounded by mineral insulation without any internal movement or stretch.
- The inner surface of the heating element always touches the nozzle or the barrel, therefore there's a homogeneous heat transfer.
- The mineral insulated nozzle heaters can be manufactured with a built-in thermocouple (Our built-in thermocouples, are NOT at the termination, but in the center of the heater and just 1mm (0,039in) away from the resistance wire which provides the most precise temperature control). They can be manufactured with the types of "**J**", "**K**" and "**PT-100**"
- In our fluid-proof type, the termination and the cables are also being protected against all leakages.





New Product

MgO Insulated PTC Nozzle Band Heater



- MgO (Magnesium Oxide) Insulation
- Rigid Structure (*Compressed*)
- 8,5mm (0,334in)
- TIG Welded all around (Sealed for leakages)
- Optional Protection up to IP68 (*Waterproof*)
- AISI 304 Stainless Steel Sheath
- Optional Built-in Thermocouples
- Longer Lifetime
- Self-regulated pre-defined temperature
- Various operation voltages



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M12-Hall 4



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