

NOZZLE HEATERS

MI, Mica and Coiled Cable Nozzle Heaters in Stock Ready to Solve Your Downtime Problem

Star Electric offers a full line of hot runner nozzle heaters for the plastics industry as well as slip-on heaters for the medical and analytical industries. While every heater has a unique set of capabilities, each nozzle heater is designed to meet specific application requirements. Whether you require high performance, high temperature or high watt density Star Electric has the heater to best fit your application.

Performance Capabilities:

Coiled Cable Type:

- Sheath temperatures to 650°C (1200°F)
- Watt densities up to 40 W/in²

Mineral Insulated Type

- Sheath temperatures to 760°C (1400°F)
- Watt densities to 230 W/in²

Mica Type

- Sheath temperatures to 900°F (480°C)
- Watt densities to 55 W/in²



Features & Benefits:

Coiled Cable Type:

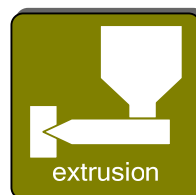
- Low profile construction provides easy installation in the tight environment of multiple gate molds.
- The no-heat tail section reduces temperature at the adaptor, eliminating failures due to overheating.
- The single tail with dual lead feature occupies less space in the wire raceway.
- Heat is conducted from the entire 360 degree circumference for even heating.
- Optional externally welded thermocouples to the sheath provide temperature measurement capabilities.
- Accurate heating
- Aluminized steel cover Provides excellent protection from abrasion
- Radiation or conduction heat transfer Ensures dependable heat transfer method

Mineral Insulated Type

- Operating temperatures to 760°C (1400°F)
- Higher watt densities than any other nozzle heater
- Faster heat-up and through-put to increase productivity
- Stainless steel cover Resists contamination
- Permanently attached clamp bars Eliminates clamping straps, making installation easier

Mica Type

- Low mass design allows fast heat-up and quick response
- Design variations provide user convenience and heater protection
- Low cost



Precise Temperature Control and Uniformity of your Hot-Runner System



Hollow-Cast heater takes nozzle heater technology a step ahead of the competition. Thanks to its innovative design, plastic molders no longer have to compromise with sloppy fit tolerances, uneven temperature profiles or short heater life. Featuring a machined brass casting construction, the Hollow-Cast heater can handle very high temperatures while providing maximum heat transfer.

With a precision machined inside diameter, the Hollow-Cast heater fits perfectly—and it doesn't even require clamping bands. Precision fit, along with the excellent thermal conductivity of brass, allow the Hollow-Cast to give you an extremely even temperature profile.

Performance Capabilities

- Operating temperature to 1200°F (650°C)
- Maximum watt density on inside diameter to 260 W/in² (40 W/cm²).
- Maximum voltage to 240VAC

Features & Benefits

- Brass casting construction protects the heater from damage, as well as maximizes transfer of heat to heated parts.
- Precision machining of length and inside diameter gives precision fit tolerances.
- Sealed construction of the heater body eliminates contamination. The adaptor also effectively seals the lead exit.
- Stainless steel outer casing protects the brass heater body, and as an option, can be polished to increase heater efficiency.
- Distributed wattage allows heat to be precisely placed for an even temperature profile.
- Customized diameters, with quick delivery, are available to meet specific application needs.

