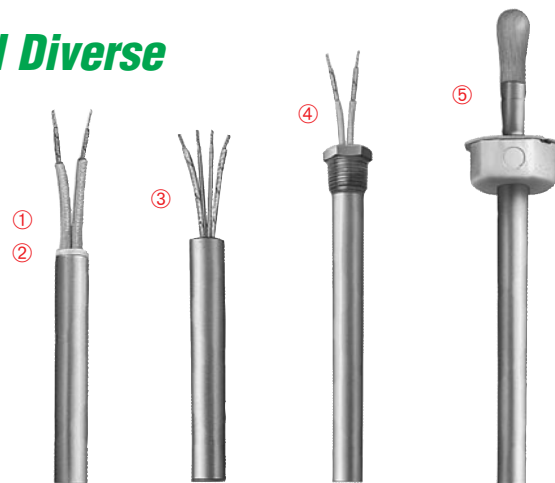


TEMPCO Offers the Most Comprehensive and Diverse Selection in Hi-Density Cartridge Heaters

Since Their Introduction in 1972, Hi-Density Cartridge Heaters Have Evolved and Today Offer a Multitude of Diverse Product Options:

1. **(HDC)** A Hi-Density cartridge heater in US sizes (see page 2-4).
2. **(HDM)** A Hi-Density cartridge heater in Metric sizes (see page 2-28).
3. **(HDP)** Pennybottom™, A Hi-Density cartridge heater with a Built-in Thermocouple and Flat Copper end disc. (see page 2-24).
4. **(HDL)** A Hi-Density cartridge heater designed with NPT Fittings for Immersion heating (see page 2-23).
5. **(HDB)** Bolt Heater, A Hi-Density cartridge heater designed for assisting in the assembly of large machinery (see page 2-61).



Hi-Density Cartridge Heaters provide maximum processing temperature capability

- * Higher watt densities permit smaller heaters to be used without sacrificing life expectancy. This results in up-front as well as long-term cost savings.
- * Swaged construction provides maximum support for the resistance wire and excellent heat transfer characteristics, improving the overall life expectancy of the cartridge heater.
- * Termination styles and special features allow customization to any application.
- * Applications up to 1400°F (760°C)

Typical Applications

- ✦ Plastic Extruders
- ✦ Hot Runner Molds
- ✦ Hot Stamping
- ✦ Medical Equipment
- ✦ Packaging Equipment
- ✦ Molds
- ✦ Aerospace
- ✦ Sealing Bags
- ✦ Semi-Conductor
- ✦ Plastic Molding
- ✦ Shoe Machinery
- ✦ Food Processing
- ✦ Heating Gases and Liquids
- ✦ Glue Guns
- ✦ Laminating Presses
- ✦ Platens
- ✦ Scientific Equipment
- ✦ Food Service Equipment

Hi-Density Cartridge Heaters are Classified in Two Distinct Categories

Multi-Purpose Use

The Multi-Purpose Use Cartridge Heaters represent Tempco's commitment to value-added customer service as we maintain in Stock over 65,000 Semi-Finished Hi-Density Cartridge Heater Substrates, offering a combination of over 1000 sizes in industry standard diameters and lengths ranging from 1" (25.4 mm) to 36" (914.4 mm) in a complete spectrum of wattages and operating voltages. Multi-Purpose Use Cartridge Heaters are the solution for a multitude of original equipment manufacturers (OEMs) or maintenance (MRO) applications.

Available through the Terminator Program.

Complete details are found on pages 2-12 through 2-21.

Highly Engineered Specific Purpose Use

Tempco has been at the forefront of addressing the challenges of Original Equipment Manufacturers (OEMs) in a broad segment of diversified industries. As a company we are uniquely qualified and committed to providing value-added expertise in engineering and manufacturing capabilities that span over three decades of acquired knowledge, assisting customers in developing highly engineered specific use cartridge heaters for dependable and reliable performance. Let us provide the optimal solution to your thermal loop system and cartridge heater design challenges. Engineering assistance can be found on pages 2-5 through 2-7.

Consult Us With Your Requirements.

We Welcome Your Inquiries.

Ordering Information

**Custom
Manufactured**



Custom Engineered/Manufactured Heaters

Because an electric heater can be very application specific, for sizes and ratings not listed, **TEMPCO** will design and manufacture a Hi-Density Cartridge Heater to meet your requirements. **Standard lead time is 3 weeks.**

Please Specify the following:

- | | |
|-----------------------------------|--|
| <input type="checkbox"/> Diameter | <input type="checkbox"/> Termination types (see pages 2-39 through 2-60) |
| <input type="checkbox"/> Length | <input type="checkbox"/> Lead Length |
| <input type="checkbox"/> Wattage | <input type="checkbox"/> Cable/Braid length |
| <input type="checkbox"/> Voltage | <input type="checkbox"/> Special Features |
| | <input type="checkbox"/> Application Type |
| | <input type="checkbox"/> Operating Temperature |

⚠ WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

(800) 323-6859 • Email: sales@tempco.com