

# MARATHON HEATER

**ENGINEERED SOLUTIONS**







***Founded in 1996, Marathon Heater is the premier manufacturer of electric heating elements and temperature sensors. Marathon specializes in custom designed and manufactured products with no minimum order. Marathon also stocks thousands of heaters and sensors for same day shipment. Whatever your heating requirement, Marathon Heater has a solution.***

### ***Standard Features:***

- 304 SS, 316 SS, and Incoloy sheath available.
- Suitable for applications up to 1800 °F.
- TIG welded end disk to prevent contamination and moisture absorption.
- High purity magnesium oxide fill for maximum dielectric strength and thermal conductivity.
- Nickel-Chromium resistance wire for maximum heater life, evenly wound for even heat distribution.
- High temperature fiberglass lead wires for service up to 1000° F.
- UL and CSA recognized.
- English and Metric diameters are standard.

### ***Lead Configurations:***

- Swaged in leads
- Crimped on leads
- Teflon leads
- Silicon rubber leads
- SJO Cord with 2 or 3 conductors
- Straight pins
- Threaded terminals
- Rt. Angle lead exit
- S/S Braid
- Rt. Angle S/S braid
- Stainless Steel armor
- Rt. Angle S/S armor
- Copper coupler
- Copper elbow
- Strain relief

### ***End Seals and Potting***

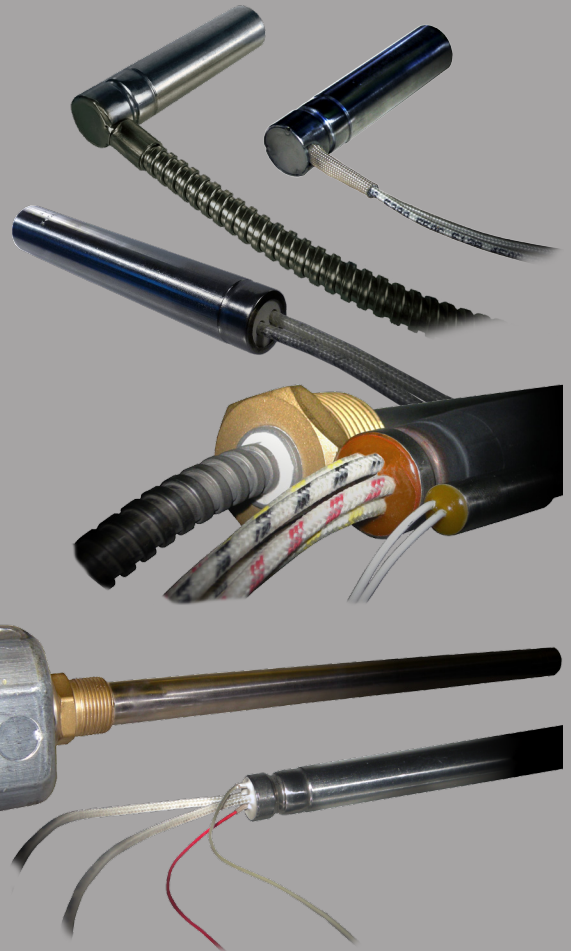
- Teflon seal
- Lava seal
- Cement potting
- RTV potting
- Epoxy potting
- Epoxylite potting

### ***Fittings, Flanges, ETC.***

- Brass NPT
- 304 S/S NPT
- 316 S/S NPT
- Double ended NPT
- Standard and nonstandard round flanges
- Custom square or rectangular flanges
- Ring Stops, Welds, Beads, or Tab Stops

### ***Custom Options***

- Over 30 diameter options including metric sizing. Square cross sections also available.
- Lengths from 1 in. - 10 ft.
- High temperature designs up to 1800° F.
- Integral thermocouple placement in disc end or center
- Bent HotRod designs
- Profiled heating
- Multi-zone construction
- Double ended construction
- Three phase construction



***Over 18,000 part numbers in stock!***



### ***Silicone Rubber Heaters***

- Flexible heaters for applications up to 400° F
- Sizes up to 3 ft. x 10 ft.
- Rectangular, round, and unusual shapes
- Multiple mounting options
- UL & CSA recognized



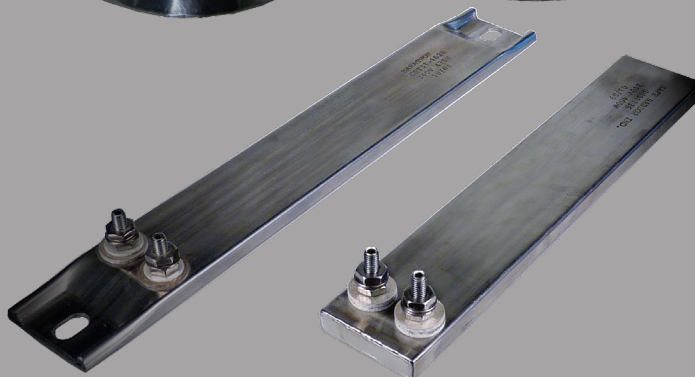
### ***Ceramic Band Heaters***

- Expandable for easy installation
- 1400° F maximum operating temperature
- Insulated for energy conservation
- 3" to 15" diameter
- 2" to 12" wide



### ***Ceramic Strip Heaters***

- For applications up to 1000° F
- Multiple lead configurations available
- With or without mounting tabs
- 3/8" thick x 1½" wide
- Lengths up to 12ft. long



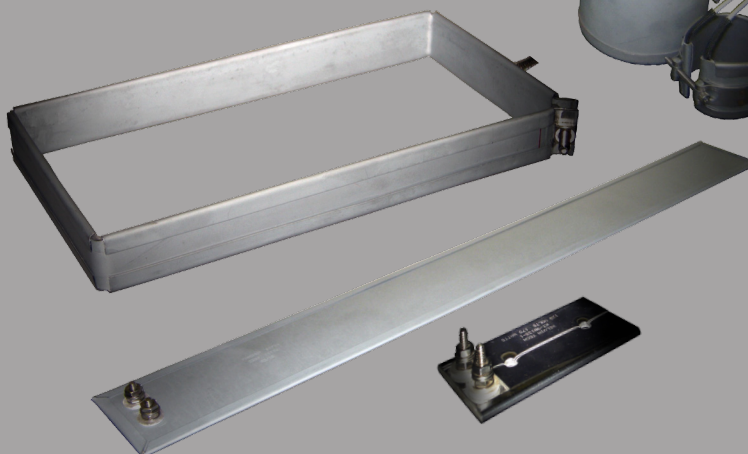
### ***Mica Band Heaters***

- 3/4" to 60" diameter
- One piece, two piece, and expandable construction
- Multiple termination options
- Up to 1000° F maximum temperature
- Large stock selection
- Optional expandable construction for easy installation
- UL & CSA recognized



### ***Mica Strip Heaters***

- Sizes up to 4 ft. x 8 ft.
- Flat or shapes
- Multiple termination options
- Up to 1000° F maximum temperature
- UL & CSA recognized





### ***Thermocouples***

- Diameters from .060" and up
- Multiple sheath materials available
- Hundreds of configurations and terminations



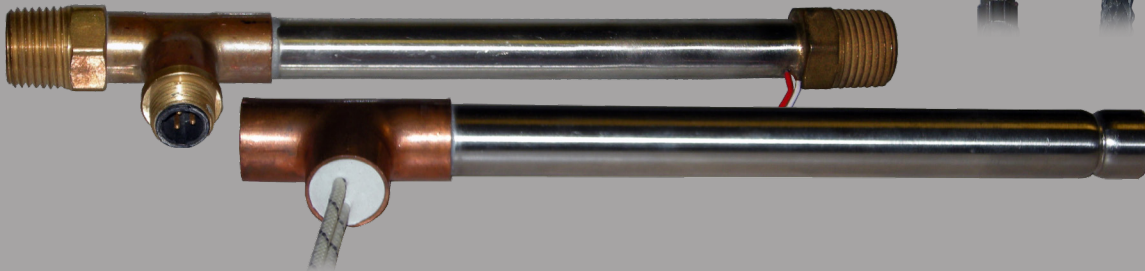
### ***Viper Coil Heaters***

- 1/8" x 1/8" cross section
- Coiling for special wattage distributions available
- Temperatures to 850°F
- Stock sizes available



### ***Air Heaters***

- 1/2" and 3/4" diameters available
- 8 stock items
- Male and female pipe fittings available for stock and custom heaters
- 1000° F maximum air temperature



***Marathon Heater specializes in custom solutions to all your heating system requirements. Marathon stocks a large selection of heaters and sensors. In addition, we can provide quick turnaround on special designs.***

***Whether you need one piece or one thousand, Marathon is committed to providing you with exactly what you need when you need it.***

***Your Authorized Marathon Heater Representative is:***



marathonheater.com