



ENGINEERED SOLUTIONS
FOR HEATING & SENSING

ISO 9001-2015



AIR HEATERS



MARATHON HEATER (I) PVT. LTD.

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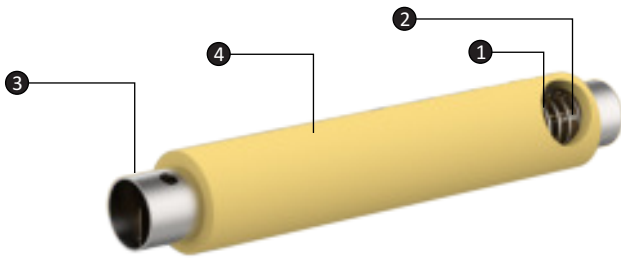
Technical Specifications

Sheath Material	SS304
Sheath Outer Diameter	63.5 mm, 101.6 mm
Wattage	Various Wattage available ranging from 2 kW to 30 kW
Watt Density	Up to 77 W/inch ²
Glass wool Insulation	Up to 1200°C
Wattage tolerance	+5%, -10%
Resistance tolerance	-5%, +10%

Marathon made air heaters features an open coil of high resistance wire electrically isolated in a stainless steel sheath. Using an open coil for heating is the most efficient type of electric heating and is also the most economically feasible one. As it exposes the maximum heating element surface area directly to the airflow, it provides fast heat up time and improved efficiency. Its design facilitates lower maintenance and easy, inexpensive replacement parts.

It is constructed of high grade nickel chromium wire coils Evenly wounded on mica sheet, placed in center of an SS304 Sheath, and electrically isolated using a layer of flexible mica wrapped inside of sheath. These heaters are widely used in hot air dryers

Construction



1. Nickel chromium Resistance wire coils for maximum heater life evenly wounded for even heat distribution
2. Mica Sheet for holding coils in place and are dielectric, lightweight, resilient and stable high temperatures.
3. Stainless Steel Sheath for corrosion resistance and high strength.
4. Glass wool insulation for high thermal resistance with low thermal conductivity.
5. Teflon coated control cable & thermistor cable for superior insulation and suitable for high voltage application.
6. Mica Insulation having dielectric property to isolate high resistance coil from sheath.

Note : For custom design requirements please contact factory

Advantages

- Fast heat up time
- Increased Efficiency
- Lower maintenance
- Easy installation
- Easy and inexpensive replacement

Application

- Hot Air Dryer