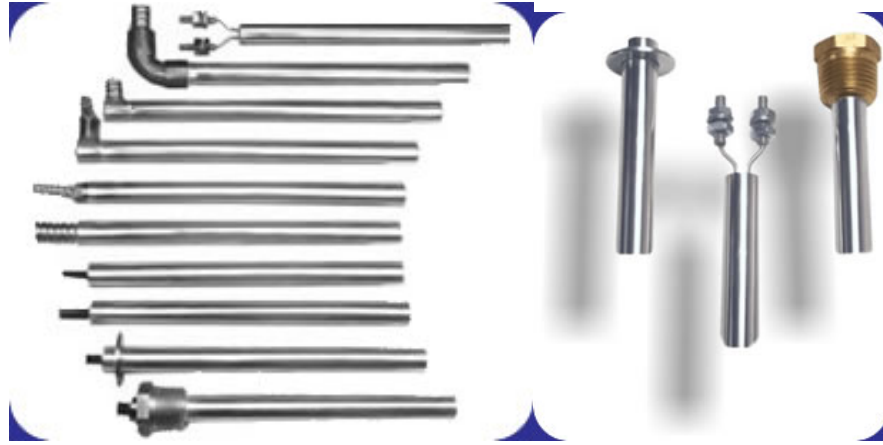


HCS Heaters Controls & Sensors Ltd HCS



Cartridge Heater is available in various sizes from 1/8 inch to 1-1/4 inch in diameter to lengths that are only restricted by the diameter of the heater. Various lead styles are available to withstand constant flexing, washdown or extremely corrosive and moist environments. They can also be manufactured to prevent failure in vacuum or cryogenic applications. Above are some of the various styles of terminations we offer

- Features:** Part temperatures to 1600°F Swaged cartridge heaters with total quality control
- Nickel chromium resistance wire precision wound Magnesium oxide insulation of high purity and tight compaction
- Incoloy sheath corrosion and oxidation resistant 3 Day shipment, utilizing stock heaters and lead modification system
- Superior heat transfer due to minimum spacing between wire and sheath

Specifications:

- Dimensions. Diameter 0.125" Dia to 1.245".
Metric Diameters 3.4 mm to 30 mm
Maximum length dependent on O D. consult HCS
- Voltage. 12 volts to 600 Volts AC/DC 1 or 3 Phase 2
- Watt Densities. Maximum to 256 watts/in
- Maximum Current. 27 Amps on 1.245 " O D 2.7 Amps on .125"
- Wattage Tolerance. +5%, -10o/o
- Length Tolerance. +/-3/32 up to 41 /2" Long Above +/- 2%
- Camber Tolerance. 00016" per inch of length
- Diameter Tolerance.1 " +/- 0.0003" All others 0.002
- Resistance Tolerance. + 10 %, - 5%
- Standard Unheated Area. . . 3/8" Lead end larger depending on leads
- Cold Resistance. 3% lower than HOT Resistance
- Internal thermocouple. . . . Available J, K, R, S, T, N,
- Thermocouple Location. . . . Disc End, Sheath, Center of Heater.
- To Order Please State. . . . Watts, Volts, Diameter, Length and Lead styleProcess Air

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