

Cartridge heater is a long-life, high-power heater suitable for industrial heating processes. Its basic structure consists of a compression heater in which a nickel-chromium heat-resistant alloy wire is wound around a ceramic core with excellent high-temperature properties and insulated with magnesium oxide.



Cartridge heaters are usually composed of a stainless steel shell, an insulating material magnesium oxide powder, a heating wire, a magnesium rod, a high-density insulating style, a lead electrode, a lead wire, and other parts

Advantages of the Industrial Heating Elements Cartridge Heater

- 1) High power. High-quality materials, mature craftsmanship, 15 years of engineers completed works
- 2) High thermal efficiency,
- 3) fast heat dissipation, high purity of insulating filler, and good ratio.
- 4) High-temperature resistance, stainless steel pipes such as SUS321 and SUS316L are used



Design and customization of the Industrial Heating Elements Cartridge Heater:

1. Voltage and power.
2. The size of the pipe diameter
3. The length of the tube
4. The Material of the Industrial Heating Elements Cartridge Heater: The main materials are 10# carbon steel, SUS304, SUS321, SUS316L, stainless steel with a coating (waterproof treatment), SUS310S (common name: 2520), titanium tube, etc.
5. The choice of heating wire: generally iron-chromium-aluminum wire (Beijing Shougang), nickel-chromium wire (generally H140, 2080 resistance wire, etc.). The choice of the two depends on the customer's working environment (temperature and vibration).
6. Others: working environment, terminal or lead length (normal: 200mm), whether to install thread (thread size), diameter and length of metal hose, etc.