

WATT DENSITY vs FIT SIZE FOR CARTRIDGE HEATERS

Operating temperature of heater and fit size are major factors in determining the life expectancy of cartridge heaters. Select closest practical fit size for installing cartridge heaters for heating metal parts referring Fig - 1 and Fig - 2.

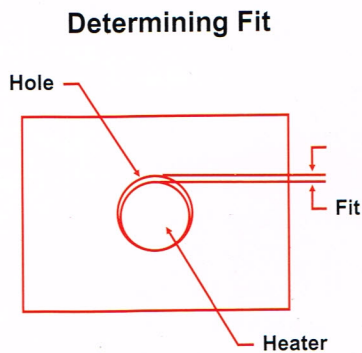


Fig - 1

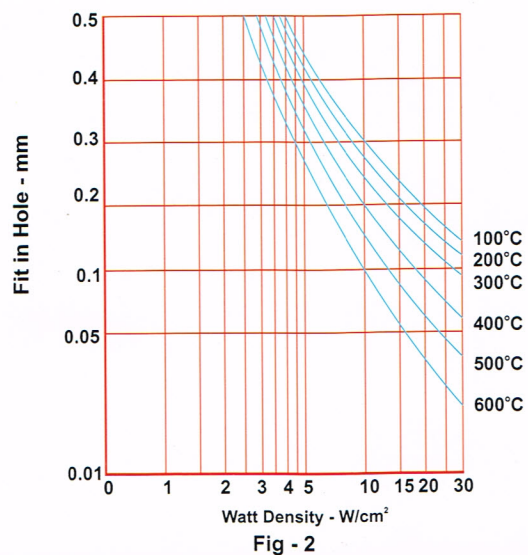
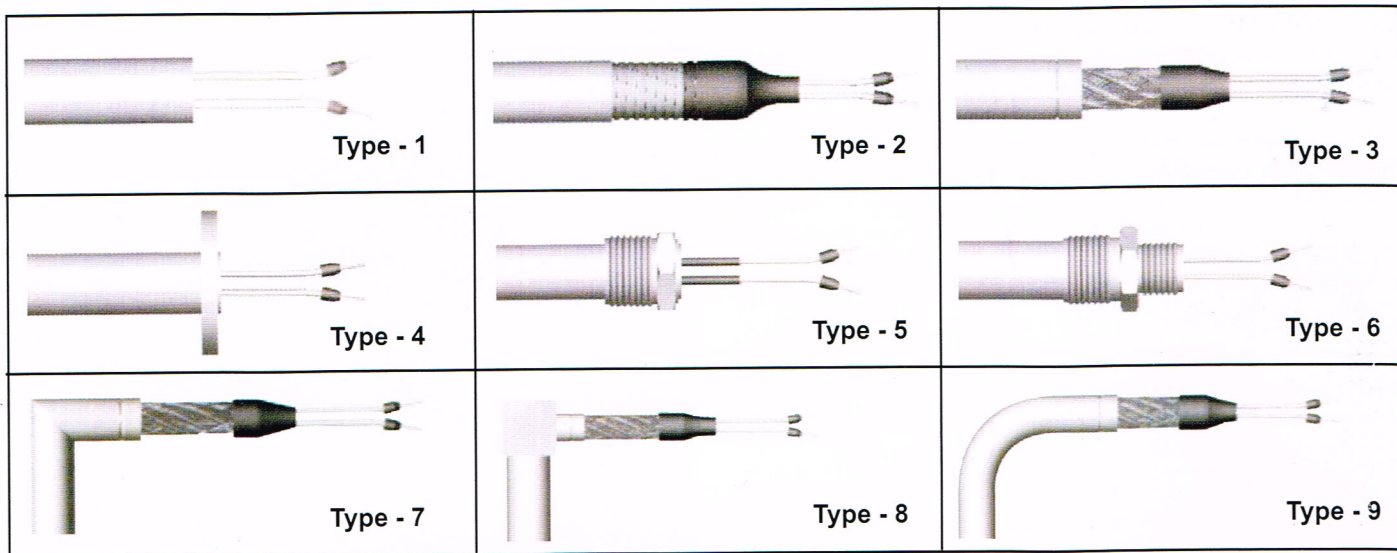


Fig - 2

TYPES OF TERMINATIONS FOR CARTRIDGE HEATERS



CERAMIC CARTRIDGE HEATERS

Elmec Ceramic Cartridge Heaters are made of helically wound resistance coil stretched and strung through series of open type ceramic insulators. The element is centrally supported by SS 304. For high temperature applications SS 316(or) SS 310 rods are used for centre support.

Features:

- Nickel Chrome/Kanthal resistance wire
- Available in Dia 26mm to 55mm and Length upto 3000mm

Surface watt density:

- For oils - 1.4 to 4 watts/cm²
- For water - 1.4 to 8 watts/cm²
- For Metals - 2 to 5 watts/cm²
- For air 1.6 to 3.2 watts/cm²

Applications:

- Heating Liquids & Gases
- Dryers
- Ovens
- Printing Machinery
- Packing Machinery

When ordering please specify:

- Dia & length of the Heater
- Wattage and Voltage
- Type of terminal
- Cold zone length & hot zone length

