Rope Heaters

Flexible Heaters

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RHR Series — Fiberglass Insulated Rope Heater

AVAILABLE OPTIONAL SPECIALTY SHEATH MATERIALS

High Temperature Fiberglass Rope Heater
The high temperature version uses a higher temperature rated sleeving. Internal construction is identical to the single or double element rope heater except for the use of a higher rated fiberglass sleeving.

- **Maximum Temperature**: 1200°F (649°C)
- **Nominal Diameter**: 120V: 0.165" (4.2 mm)
  240V: 0.180" (4.6 mm)
- **Maximum Recommended Wattage**: 7 W/linear inch
- **Wattage Tolerance**: + 5%, − 10%
- **Resistance Tolerance**: + 10%, − 5%
- **Standard Leads**: 10" fiberglass, 450°C (842°F)

High Temperature Flexible Metal Sheathed Rope Heater
This version uses Stainless Steel sleeving over ceramic bead insulators around the resistance element for high temperature, corrosive environments.

- **Maximum Temperature**: 1300°F (704°C)
- **Maximum Length**: 120" (3048 mm)

THR Series — Tubular Sheathed Rope Heater
Tempco’s Tubular Sheathed Rope Heater is an ideal solution for applications where a low cost, low watt density tubular heater is required.

A resistive alloy element is helically wound around a fiberglass core and covered with a layer of fiberglass sleeving. fiberglass leads are crimped onto the resistance wire and covered by the fiberglass sleeving. The assembly is then sheathed in aluminum or stainless steel tubing.

For wet or moist applications, a seal can be added to the tubing. The heater can be formed to any shape standard tubular elements can be formed to (see page 10-9 for standard configurations).

Distributed wattage heaters can be manufactured to compensate for special heat losses.

- **Nominal Diameter**: .250" (6.4 mm) 120V or 240V
- **Maximum Recommended Wattage**: 8 W/linear inch
- **Wattage Tolerance**: + 5%, − 10%
- **Resistance Tolerance**: + 10%, − 5%
- **Standard Leads**: 10" Fiberglass, 450°C (842°F)

Discontinued

Typical Applications

- Refrigeration/Defrost
- Compressor Crankcase
- Enclosure Warming
- Copiers
- Blueprint Machines

Specifications

- **Standard Diameters**: .250" (6.4 mm), .375" (9.5 mm)
- **Minimum Forming Radius**: 0.5" (12.7 mm) – .250" Dia.,
  1.0" (25.4 mm) – .375" Dia.
- **Maximum Recommended Wattage**: 5 W/linear in. (.250" Dia.)
  8 W/linear in. (.375" Dia.)
- **Maximum Temperature**: Aluminum 550°F (287.8°C)
  Stainless Steel 750°F (398.9°C)
- **Maximum Length**: 150" (3810 mm)