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)

Maximum Length: 300" (7620 mm)

Nominal Diameter: 120V: 0.165" (4.2 mm)
240V: 0.180" (4.6 mm)

Maximum Recommended Wattage: 7 W/linear inch
Some applications can go higher; consult Tempco.

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)

Nominal Diameter: .250" (6.4 mm)

Maximum Recommended Wattage: 10 W/linear inch
Some applications can go higher; consult Tempco.

Wattage Tolerance: + 5%, – 10%

Resistance Tolerance: + 10%, – 5%

Standard Leads: 10" SS braid over 12" fiberglass leads, 450°C (842°F)

Silicone Rubber Insulated Rope Heater

The silicone rubber insulated version is designed to withstand wet or moist applications. Internal construction is identical to the single element rope heater except for the use of a silicone rubber sleeving.

Maximum Temperature: 325°F (163°C)

Maximum Length: 300" (7620 mm)

Nominal Diameter: .165" (4.2 mm)

Maximum Recommended Wattage: 3 W/linear inch
Some applications can go higher; consult Tempco.

Wattage Tolerance: + 5%, – 10%

Resistance Tolerance: + 10%, – 5%

Standard Leads: 10" silicone rubber

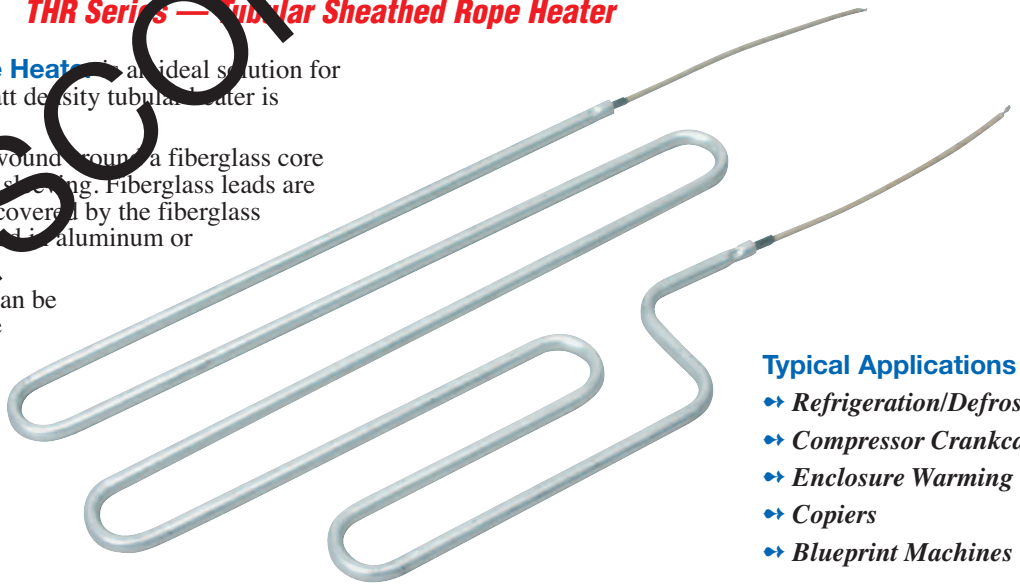
DISCONTINUED

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.



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)

Nominal Diameter: .300" (7.62 mm) 120V or 240V

Maximum Recommended Wattage: 8 W/linear inch
Some applications can go higher; consult Tempco.

Voltage: 120 and 240VAC Standard

Wattage Tolerance: +5%, –10%

Resistance Tolerance: +10%, –5%

Standard Leads: 10" Fiberglass, 450°C (842°F)