

Expandable Rubber Heater Assemblies

Custom integrated assemblies for turnkey operation up to 220°C

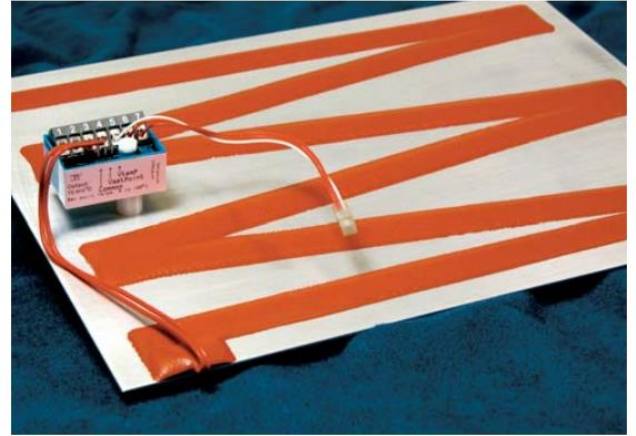
Overview

Heater assemblies with expanded silicone rubber heaters provide controllable heat to large areas. The thin profile of the complete assembly is ideal for installations where there isn't space to fit a rod or tube heaters and improved heat spreading is required. Overall thickness is less than 0.060" (1.5mm) plus the plate thickness.

- Proprietary processing panel layout and die cutting enables large surface heating for significantly less cost than that of traditional blanket.
- Factory vulcanized mounting ensures optimal heater-to-heatsink bond for longer heater life, even at elevated watt densities.
- Low profile flexible heater construction saves space and weight to simplify overall construction of the end device.
- UL and TUV component recognized to 220°C (428°F)
- Resistant to many chemicals
- Custom shapes and sizes 22" x 72"
- Optional thermostats, temperature sensors and cutouts, wiring harnesses, and connectors

Applications

- Preventing condensation in electronics enclosures and large electrical motors
- Heating vehicle batteries in cold climates
- Warming IV and saline bags in hospitals
- Maintaining process tanks and containers at operating temperatures
- Heating spa and massage beds
- Warming trays for the food service industry



This Minco expanded heater assembly includes a temperature sensor and control electronics.

Specifications

Temperature range: 145 to 220°C

Heating Element: Etched foil or wire-wound

Insulation Material: Glass reinforced silicone rubber

Operating voltage: 600 volts maximum (250 volts maximum for TUV component recognition)

Power rating: 22 watts maximum per square inch of heater surface area at 0°C

Minimum bend radius: 0.125" (3.2mm) depending on plate material and thickness

Power termination: Leadwires, cables, threaded studs, eyelets, terminals, and connectors are available