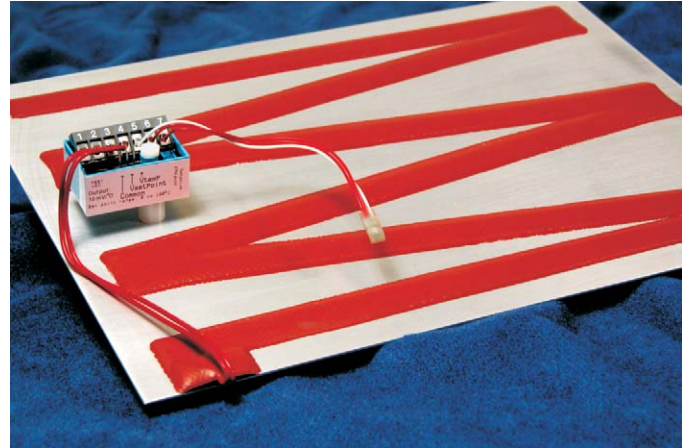


Rubber Heater Assemblies

- ◆ Rugged, flexible elastomer insulation material
- ◆ High temperature capability
- ◆ UL and TÜV component recognized to 220°C (428°F)
- ◆ Factory vulcanized to metal parts for superior performance
- ◆ Resistant to many chemicals
- ◆ Custom shapes and sizes to 22" × 72"
- ◆ Optional thermostats, temperature sensors and cutouts, wiring harnesses, and connectors



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

Heater assemblies with expanded silicone rubber heaters (patent pending) provide moderate, controllable heat to large areas. Using etched or wire element construction these heaters warm surfaces up to 22" x 72" at a cost lower than traditional heating blankets. The heaters are permanently bonded to the mounting plate and can include temperature sensors and control electronics.

The thin profile of the complete assembly is ideal for installations where there isn't space to fit a rod or tube heater and improved heat spreading is required. Overall thickness is less than 0.060" (1.5 mm) plus the plate thickness.

Applications for these heaters include:

- 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

Specifications

Temperature range: -45 to 220°C.

Heating element: Etched foil or wire-wound.

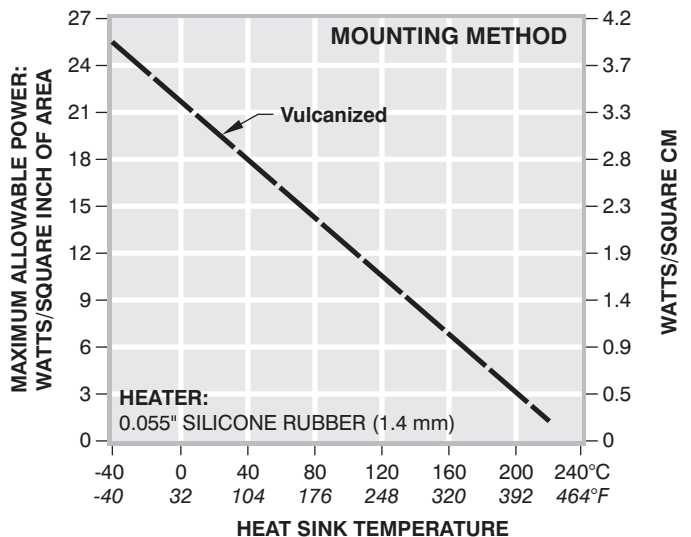
Insulation Material: Glass reinforced silicone rubber.

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

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

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

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



MINCO
ISO 9001: 2000

Minco Products, Inc.
7300 Commerce Lane
Minneapolis, MN 55432 U.S.A.
Tel: 763-571-3121
Fax: 763-571-0927
www.minco.com

Customer Service/Order Desk:
Tel: 763-571-3123
Fax: 763-571-0942
custserv@minco.com



Minco S.A.
Usine et Service
Commercial, Z.I.
09310 Aston, France
Tel: (33) 5 61 03 24 01
Fax: (33) 5 61 03 24 09

Minco EC
Hirzenstrasse 2
CH-9244 Niederuzwil
Switzerland
Tel: (41) 71 952 79 89
Fax: (41) 71 952 79 90