

Tempco Flexible Heaters: Silicone Rubber & Kapton® The Answer To Hundreds of Unique Heating Applications...

Designed for Trouble-Free Performance and Improved Operation Efficiency

Tempco's Flexible Heaters are capable of operating with excellent performance under many adverse conditions, including: moisture, outdoor exposure or ambient temperatures, radiation, ozone, compression set, vacuum, fungus, oils, solvents, and many other chemicals. The low thermal mass of flexible heaters allows their use in applications where the space for placing a heater is limited and weight is a concern.

Flexible Silicone Rubber and Kapton Heaters also have very good mechanical properties. They are of low mass construction and provide rapid heat-up due to direct bonding to the part— a desired requirement for applications where precise temperature control is important to the overall quality of the application. Flexible Heaters are not affected by mechanical shock, vibration or repeated flexing and will not stretch or tear over a temperature range of -70°F to +500°F (-56.6°C to +260°C).

Select a Flexible Heater for your specific application...

Tempco Flexible Heaters are a reliable and economical heat source capable of providing uniform heat transfer to irregular shaped or flat surfaces including three dimensional geometries, conforming to the part being heated. This flexibility allows you to design a heating element literally around the shape and size of the system, machine and/or component part.

Flexible heater use typically falls into the following applications:

- * Process Heat
- * Condensation Protection
- * Freeze Protection
- * Composite Bonding

Tempco's engineering staff, with many years of experience in heat processing and temperature control, can assist you in designing the right Silicone Rubber or Kapton Flexible Heater for your application.

Tempco's Flexible Heaters offer unlimited design possibilities!

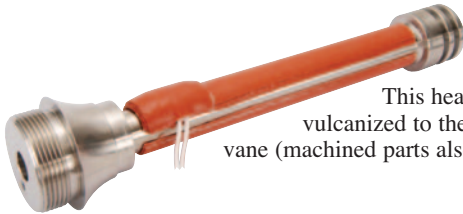
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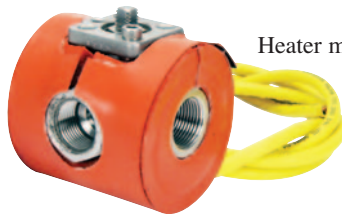
Approvals

Tempco SHS, DHR & EHR Silicone Rubber Heaters are UL Recognized in the USA and for Canada under UL File Number E65652 (UL499) Component Recognition Program, and CSA Recognized under CSA File Number 043099.

If you require UL/cUL and/or CSA Agency Approval, please specify when ordering.



This heater, used for freeze protection, is vulcanized to the shaft in the base of a weather vane (machined parts also available from Tempco).

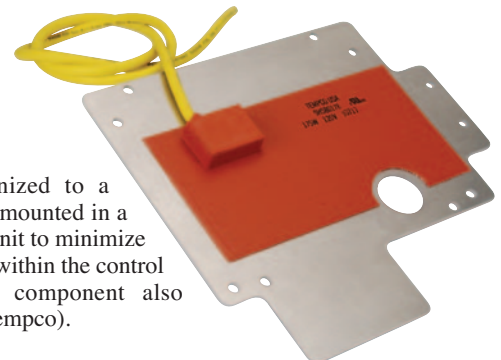
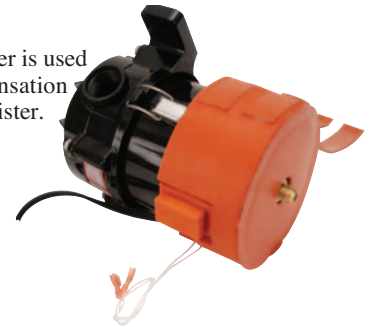


Heater manifold 3D formed for use on a snow making machine.



Heater vulcanized to black anodized aluminum for food-prep station (metal component also supplied by Tempco).

This formed heater is used to remove condensation on a vacuum canister.



Heater vulcanized to a metal plate is mounted in a refrigeration unit to minimize condensation within the control panel (metal component also supplied by Tempco).