

Phoenix **Thermal** Supply

Silicone Rubber Heaters Mounting Options

Flat surfaces: Remember, the better the heater contact with the surface, the longer the heater life.



Pressure Sensitive Adhesive, also called PSA, is the simplest mounting method. Just peel the protective paper from the back of the heater and stick it to your surface. PSA is rated to a continuous temperature of 300°F and intermittent usage up to 400°F. PSA is only recommended for flat surfaces and should be used within 6 months of manufacture.

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Field applied adhesive is more difficult to apply than PSA, but if done properly produces a superior bond. We can supply a room temperature curing RTV rated to 400°F. After applying a thin film between the heater and the surface, a roller should be used to remove all air bubbles, then allowed to cure for 24 hours.



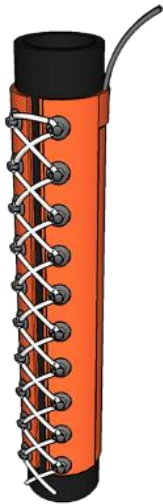
Factory Vulcanizing is the best method to bond the heater to your part. Send your part to Phoenix Thermal Supply and we will have our factory vulcanize the heater directly to your part in a vacuum

Cylinders

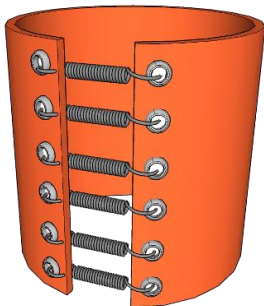
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There are methods to mount a silicone rubber heater to a cylinder.

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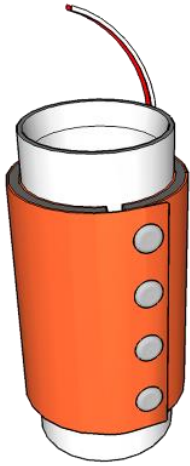


Boot hooks and lace are the most common mechanical mounting method. Boot hooks are usually positioned 1.25"-2" apart along the length of the heater. The high temperature lace (1000°F) locks the heater in place similar to lacing a boot.

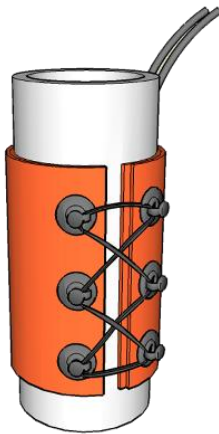


Springs and grommets are spaced about 2" apart. Each end of the spring is attached to a grommet securing it to the cylinder.

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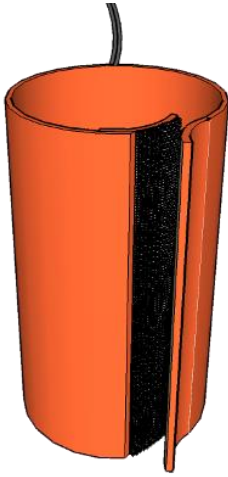


Snap fasteners are normally only used on heaters with sponge insulation.



High temperature rubber rings are used in conjunction with grommets and maintain tension as the cylinder expands and contracts. They are rated to 300°F.

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Velcro is a simple way to fasten heaters. It is rated to 200°F.