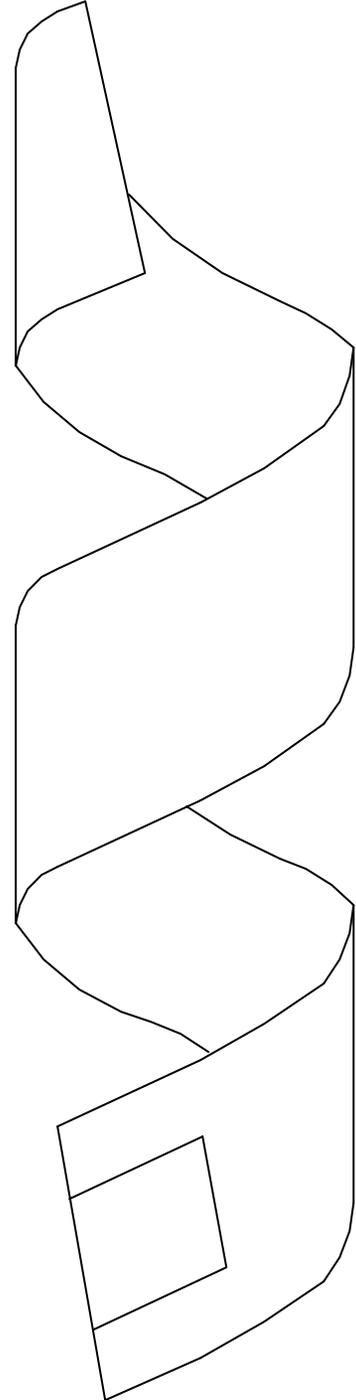
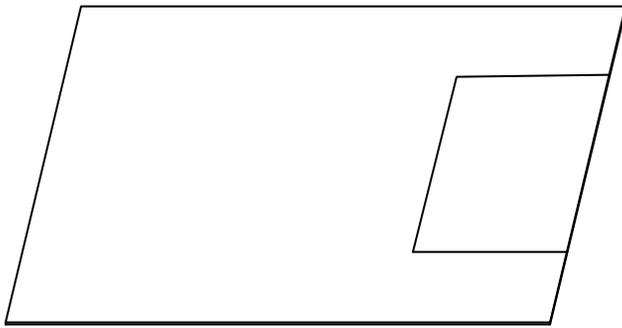


# SILICONE RUBBER HEATERS

Acrolab fiberglass reinforced silicon rubber heaters have a rugged construction yet still remain thin and flexible. They can be made to adhere to almost any surface and are moisture and chemical resistant. Silicone heaters are suitable for temperatures less than 500° F. They can accommodate holes and cutouts, and can come with a thermostat or PSA back.



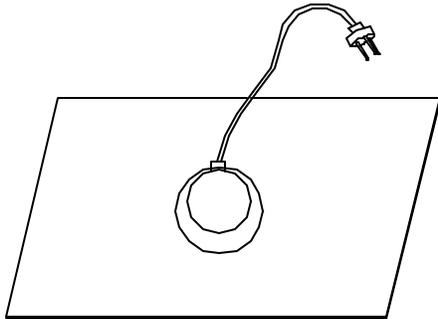
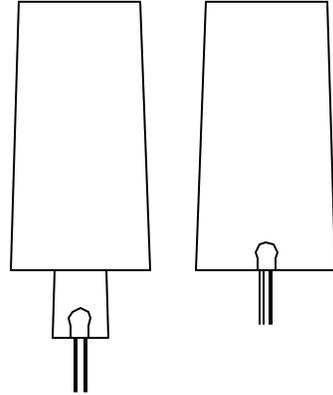
SPECIFICATIONS	
Max. Size	38" x 98"
Thickness	0.060"
Max. Temp	450° F
Max. Voltage	480 VAC
Wattage	+5/-10%
Standard Lead Wire	12" Teflon Insulated
Dielectric Strength	1000 VAC

# SILICONE RUBBER HEATERS

## Lead Wire Styles

### Teflon or Silicone Lead Wires

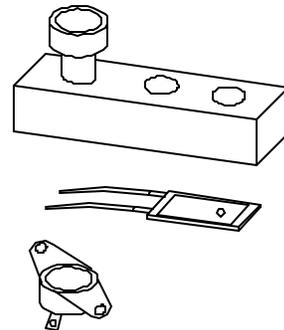
The leads are set between layers of silicone and a small patch is inserted at the exit point to provide extra support and protection. The result is a small bump where the wires are attached. To prevent this, a small external tab can be attached.



### SJO Power Cables

Silflex heaters can be made with power cables that exit from a silicone transitions box attached to the heater. Proper electrical plugs are available with the power cables.

Silicone heaters can accommodate pre-set or adjustable thermostats, thermal cutoffs and external "J" type thermocouples. Each has a specific temperature range and maximum amperage capability; the factory should be consulted for their availability.

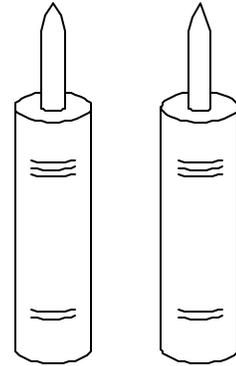


# SILICONE RUBBER HEATERS

## Attachment Methods

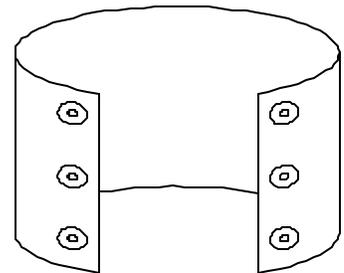
### RTV Adhesives

Adhesive pastes can be used at room temperature to provide a strong bond to application surfaces. Red coloured RTV 106 and transparent RTV 116 are the two types of adhesives available. These are adequate for temperatures up to 500° F.



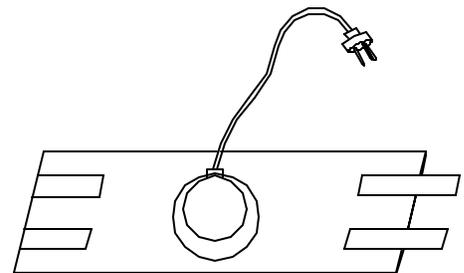
### Pressure Sensitive Adhesive

Silicone heaters can be made with a thin layer of adhesive backing that can be stuck onto almost any surface. The adhesive can withstand temperatures up to 300° F. The watt density of the heater should not exceed 5 watt/in<sup>2</sup> when PSA is used.



### Factory Vulcanization

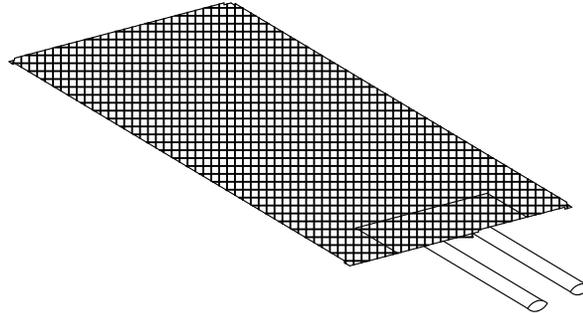
Using high temperature and pressure, silicone heaters can be vulcanized to a surface. This is highly efficient but it can only be performed in the factory.



### Mechanical Fasteners

Silicone heaters can be wrapped around an application. The end can therefore be fastened by attachments used on fabrics. Eyelets with lacing cords, Velcro hook and loop, metallic fasteners with springs, and independent straps are the most commonly used fasteners.

# SILICONE RUBBER HEATERS



EXAMPLE: HSI-3.5X6.5-240-1000-TC-AA

