



Customer Support: (509) 536-8660
E-Mail: sales@hotstart.com

Installation Instructions

Silicone Pad Heaters

READ CAREFULLY FOR PROPER INSTALLATION AND OPERATION

ADDITIONAL SUPPORT CAN BE FOUND AT WWW.HOTSTART.COM

APPLICATION:

Hotstart silicone pad heaters are used for freeze protection, process temperature control, or general temperature increase. They are designed to bond to the exterior surface of a metal fluid container. Typical applications include oil pans, diesel fuel tanks, and hydraulic reservoirs.

NOTICE

Please read instructions carefully for proper installation and operation. Proper heater-to-part installation is critical in achieving a tight bond, superior performance, and high reliability. Improper application or use of this product will result in heater failure and possible equipment damage.

MOUNTING AND INSTALLATION:

- Step 1:** The pad heater must be installed on a flat, uniform surface with 100% of the heater surface in contact with the object being heated.
- Step 2:** If intended application area is painted, paint must be removed prior to installation. The temperatures associated with heater operation can cause paint to crack causing the heater to delaminate from applied surface.
- Step 3:** To obtain adhesion, the bonding surfaces must be clean and dry. Some recommended surface cleaning solvents are isopropyl alcohol or heptane. The solvent must be non-oil based.
- Step 4:** Plug the pad heater in for a short time (about 5 seconds) to warm the adhesive.

⚠ WARNING

Personal Injury: Avoid touching the heater while it is energized.

- Step 5:** Slowly remove the cover on the heater to expose the pressure sensitive adhesive. Orient the heater as desired and apply it to the selected surface. Apply pressure to the entire heater with a roller to eliminate potential air gaps.
- Step 6:** Once applied to desired surface, energize heater for a short time (about 30 seconds). De-energize heater and again apply pressure.
- Step 7:** If the heater may be exposed to moisture, apply a bead of high temperature silicone to the entire perimeter of the heater. This will prevent moisture from deteriorating the adhesive bond.
- Step 8:** Use the wire ties provided to secure the power cord in a manner that isolates the cord from hot surfaces and provides strain relief.