

Silicone Pad Heaters



Not for use on batteries

Versatile and Easy to Install

HOTSTART adhesive pad heaters can be used on oil pans, hydraulic reservoirs, engine blocks, hydraulic cylinders and diesel fuel tanks.

- Easy peel and stick application.
- Etched foil heating element for optimal heat transfer and long life.
- Durable silicone/fiberglass cover resists abrasion.
- 120 V models are assembled with a standard 6' (1.8m) HPN cord and plug. 240 V models include 6' (1.8m) HPN cord without plug.

Model Number	Volts	Watts	Dimensions
AF10015 AF10024	120 240	100 100	4" x 5" (102mm x 127mm)
AF15015 AF15024	120 240	150 150	4" x 5" (102mm x 127mm)
AF25015 AF25024	120 240	250 250	5" x 6" (127mm x 152mm)
AF40015 AF40024	120 240	400 400	6" x 8" (152mm x 203mm)

Application Guideline	100 Watt	150 Watt	250 Watt	400 Watt
Engine oil pan	2 - 5 quarts 1.9 - 4.7 L	5 - 8 quarts 4.7 - 7.5 L	2 - 5 gallons 7.5 - 19.0 L	5 - 8 gallons 19.0 - 30.3 L
Diesel Tank	5 - 7 gallons 19.0 - 26.5 L	7 - 10 gallons 26.5 - 38.0 L	10 - 20 gallons 38.0 - 75.7 L	20 - 30 gallons 75.7 - 113.5 L
Hydraulic Tank	1 - 5 gallons 4.0 - 19.0 L	5 - 10 gallons 19.0 - 38.0 L	10 - 20 gallons 38.0 - 75.7 L	20 - 30 gallons 75.7 - 113.5 L
Water Tank	up - 2 gallons up - 7.5 L	2 - 4 gallons 7.5 - 15.0 L	4 - 7 gallons 15.0 - 26.5 L	7 - 10 gallons 26.5 - 38.0 L

CAUTION: Do not use pads with higher than recommended wattage for specific oil capacities. For use on metal surfaces only.

*Installation Instructions***Silicone Pad Heaters**READ CAREFULLY FOR PROPER INSTALLATION AND OPERATIONADDITIONAL 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.