



HOTSTART.



Product Catalog

Engine Heaters

Oil Heaters

Controls

Accessories

HOTSTART... YOUR ENGINE HEATING EXPERTS!

HOTSTART was established in 1942 with the original patent for engine coolant heating. We design and manufacture engine heating equipment and accessories that provide easy starts, reduced fuel consumption, reduced wear, and reduced emissions. As a world wide distributor of electric heating equipment for gasoline and diesel engines, HOTSTART has the experience and expertise to solve your engine heating problems.

Contact us today.



HOTSTART Engine Heaters

Easy Starts...

- Saves warm-up time
- Saves fuel
- Prolongs battery life
- Provides immediate defrosting

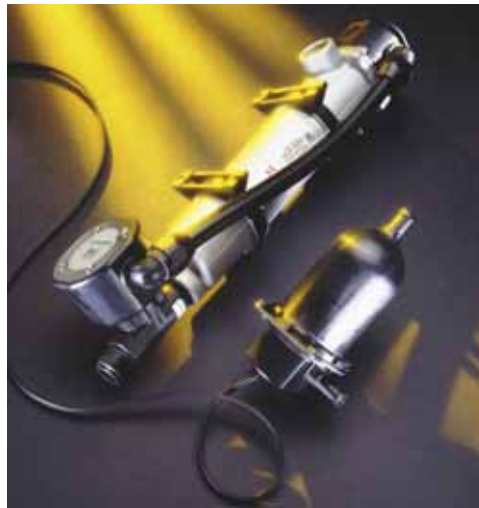
Reduces Engine Wear...

- 90% of engine wear is due to low water jacket temperature
- Stops destructive condensation
- Extends time between overhauls

Protects the Environment...

- Eliminates "White Smoke" upon start-up
- Reduces idle time
- Engine is ready for clean full power operation
- Reduces noise pollution
- No high speed idle

Tank Style Coolant Heaters That Meet Heating Requirements For a Wide Range of Engine Sizes and Applications.



- Constant circulation of coolant through the engine achieves even heat distribution.
- One-piece, heavy-duty, pressure die-cast aluminum tank with a bolt-on flange element assembly.
- All parts replaceable — easy to service.
- Most models classified weathertight.
- Many models available for Class I, Group D (Hazardous Locations) applications.
- Various voltages and phases available.
- CSA C/US and UL C/US approved.

Industrial Lube Oil Heaters and Process Oil Heaters. Multiple Sizes Available for Every Oil Heating Need.

- Reduces engine wear.
- Immediate flow of warm oil to critical engine parts.
- Stops destructive condensation and the forming of sludge in oil.
- Warm oil allows easier starts and prolongs battery life.
- Models designed for heating transmission fluid, hydraulic oil and diesel fuel.
- Low watt density elements assure safe heating of oils and will not char or coke.
- Thermostat control available and recommended for all models.
- Innovative threadless design V-clamp style mounting adapter available.



Battery Warming Pads and Thermal Wraps Improve Cranking Power in the Coldest Conditions.



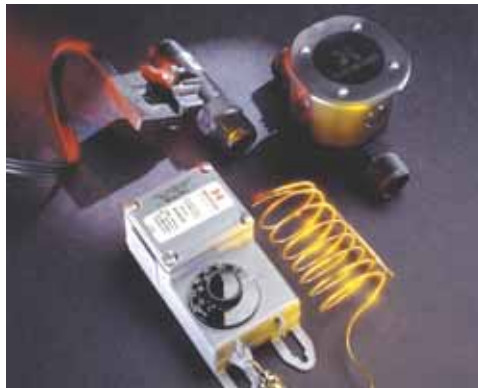
- Flexible SBR rubber pads are designed for installation under the battery to heat from the bottom up.
- Blanket-style heaters and pad heaters are impervious to battery acid and oil.
- Pad models for multiple battery applications available with accessory cords and thermostat assembly.
- Blanket-style warmers provide greater heat rise than plates or pads.
- Engineered to maintain batteries at 80°F/27°C to ensure full cranking power.

Silicone Hot Pads are Flexible and Easy to Install.

- Ideal for oil pans, hydraulic reservoirs, engine blocks and hydraulic cylinders.
- Durable silicone/fiberglass cover resists abrasion.

Thermostat Controls, Complete Control Systems and Other Accessories Ensure Proper and Efficient Performance of Kim Hotstart Heaters.

- General purpose, weathertight and explosion proof thermostats available for all engine heating, oil heating and battery heating applications.
- Fixed temperature and adjustable.
- Oil pressure switches for automatic cut-off of heaters on engine start-up.
- Complete control systems for 3 phase and high voltage engine preheaters factory assembled in electrical boxes for ease of installation.



All Direct Immersion Block Heaters Carry CSA C/US approval and are CE compliant.



- Long life Incoloy elements withstand higher temperatures to reduce element failure.
- Reduced heat in terminal connection area.
- Resists scale build-up on element surface.
- Tensile strength of Incoloy is three times that of copper, making it much less susceptible to engine and road vibration.
- Available in 120 volt and 240 volt.
- The 6ft. power cord and plug carries a lifetime warranty; standard equipment on all in-block heaters.
- Optional thermostat control and "Y" harness available for all Kim-Glo heaters.



HOTSTART[®]

TABLE OF CONTENTS

Heater Installation Guides:
Tank-style – Page 40
In-block – Page 56
How to Specify an Engine Heater and Conversion Charts – Page 58
Industrial Circulating Systems – Page 16, 17, 59

Custom Products

Call for information on:
Battery Chargers
Wiring Harnesses
Air Intake Heaters
Diesel Driven Heating Systems
Other Specialty Products

Pages 6 -18



Section 1

Tank Style Coolant Heaters
Weathertight Design
Original Equip. Replacement Heaters
Circulating System with Pump

Pages 20 - 24



Section 2

Tank Style Coolant Heaters
Class 1, Group D for Hazardous Locations

Pages 26 - 32



Section 3

Industrial Lube Oil Heaters
Lube Oil Heaters with Thermostat
Process Immersion Heaters with Fixed or Adjustable Thermostat

Pages 34 - 39



Section 4

Temperature Controls
Pressure Switch
Magnetic Contactors
Junction Boxes
Complete Control Systems

Pages 42 - 44



Section 5

Battery Warming Pads and Accessories
Blanket Style Battery Warmers
Silicone Hot Pads

Pages 46 - 57



Section 6

In-block Direct Immersion Heaters
In-line Coolant Heater
Electrical Cords for In-block Heaters
Thermocords
Flush Mount Kits and Accessories