



# Heating Systems By Design

## FEATURES

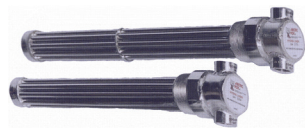
Custom-designed complete solution to preheat your fuel, fluids and battery systems. Onsite training for installation and operation is offered by an experienced staff.

## BENEFITS

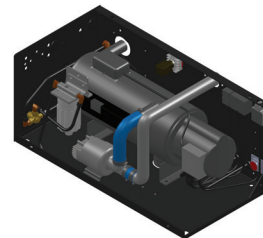
- Reduces down time and maintenance intervals
- Complete heating kit provided
- Reduces use of blended fuels and additives
- Extends hydraulic pump life
- Minimizes cold leaks
- Extends battery life and reduces charge time
- Reduces fuel gelling
- Training provided for installation and operation

## WHERE TO USE

- Construction
- Mining
- Logging
- Oil Well Service
- Trucking
- Utility Fleets



Hydraulic Fluid Heater



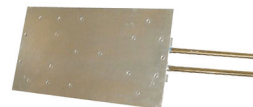
Diesel Fired  
Coolant Heater



In-Tank Heater



Coolant Manifold



Battery Heater



In-line Fluid Heater

## SYSTEM SPECIFICATIONS

### HYDRAULIC FLUID HEATERS

- Optional thermostat models available
- Standard and custom sizes are available
- Weld-on flanges provide secure mounting

### DIESEL FIRED COOLANT HEATERS

- Pre-heat the engine
- Off-vehicle power is not used

### IN-LINE FUEL HEATERS

- Stainless steel construction
- Many sizes available
- Optional Coolant shut-off thermostats

### COOLANT DISTRIBUTION MANIFOLD

- 1/2" (13mm) wall thickness
- Use with temperatures ranging from -40°F/C to 220°F/104°C

### BATTERY HEATERS

- Light weight, durable construction

### IN-TANK DIESEL FUEL HEATERS (HOT FOX MODELS HFG – TWHF)

- Stainless steel
- Install in a sending gauge-sized opening
- Optional coolant shut-off thermostat is available

# CUSTOM DESIGNED, COMPLETE SOLUTIONS FOR MOBILE AND STATIONARY EQUIPMENT

## HYDRAULIC FLUID HEATER (POWER END)

Hydraulic Fluid Heaters reduce pump cavitation and resulting damage caused by cold fluid not flowing properly



## COOLANT MANIFOLD

Manifolds enable proper coolant distribution flow and system design



## INSULATED COOLANT HOSE

Insulated hoses reduce heat loss and help maintain consistent thermal system management

## IN-LINE FUEL HEATER

In-Line Fuel Heaters protect against fuel gelling and can be thermostatically controlled



## AUXILIARY FUEL TANK

Auxiliary tank holds arctic grade fuel that is not heated and enables initial start-up of diesel fired coolant heater

## DIESEL FIRED COOLANT HEATER

Diesel Fired Heaters provide the coolant heat source that enables a complete thermal system during stand-by and continuous operation



## IN-TANK HEATER

In-Tank Heaters are designed to keep fuel from gelling to ensure initial start up and continuous operations. Can also be thermostatically controlled



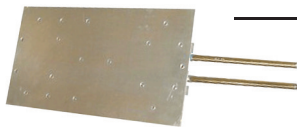
## HYDRAULIC FLUID HEATER

Hydraulic Fluid Heaters reduce pump cavitation and resulting damage caused by cold fluid not flowing properly



## BATTERY HEATER

Battery Heaters increase available cold cranking amps, reduce charge time and extend battery life



On site training for installation and operations is offered.