Model SH
Electric Thermal Fluid Heater

DESCRIPTION
The Hy-Way Model SH Electric Thermal Fluid Heater provides a dependable supply of heated oil for maintaining uniform temperatures within a product storage tank or process line. The thermal fluid heater can provide substantial savings in energy costs over competitive systems requiring high viscosity or high flash point oil, which must be circulated continuously. Model SH heaters consist of a series of jacketed heating tubes with our patented heating elements of heavy gauge, nickel chrome resistance wire, supported by porcelain insulators. Units are packaged with built-in pump and control panels, and include a separate expansion tank.

Options include remote control station, individual solenoids for automatic time clock and manual or automatic control selection. Model SH heaters are delivered ready to install and are simple to operate.

APPLICATION
Hy-Way Model SH heaters are designed to permit safe use of light, free-flowing, thermal transfer oil in a completely flooded system. Light thermal transfer oil is directly heated, then circulated through the system. Model SH Heaters can be used in a variety of applications. The system is designed to eliminate air pockets, sludge, buildup, and coking. Through the use of solenoid valves, oil flow can be controlled reliably to components that require heat. The Model SH heating system is designed so the operator can isolate those portions of the system that do not require heat at any particular time.

STANDARD FEATURES
- Pump motor control
- Indicating temperature control
- Two fused heat stages
- Fused control circuit transformer and contactors
- Oil over-temperature control
- Seven-day time clock
- Skid mounted
- Insulated
- Expansion tank and low oil level cutoff
- Interlock relay
- Low watt density design
- Mounted positive displacement circulating pump
- Standard sizes available from 40kW to 200 kW
- Optimum energy use
- No Stack
- No emission
- No hazardous flame
- No underground fuel tanks
- Low maintenance
OPTIONS

- High temperature units to 600°F
- Designs to meet hazardous locations
- Multiple temperature zones
- Heating/cooling combinations
- Remote controls
- Special engineering for direct heating of process fluids

SPECIFICATIONS

- Heating element --- Heavy gauge nickel chrome resistance wire.
- Skid frame --- 6-inch channel
- Controls --- Two stage indicating control for setting required operating temperatures.
- Pilot lights --- Indicate when elements are energized.

- Flow switch --- Positive indication of oil flow through heater and system; shuts off elements in case of no flow.
- Electrical protection --- Fully wired panel includes main disconnect switch, individual element fuses, contactors, and control transformer.
- Control voltage --- 120/6-/1.
- Heating element voltage --- 460/60/3.

Specifications subject to change without notice.
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