

SHE

Suction Oil Heater - Electric Type



Features

- Precise digital temperature control
- Low watt density design
- Rugged construction
- Removable heating elements
- Oil flow switch
- UL listed control panel
- Minimal field wiring

Benefits

- Five year heating element warranty
- Uniform heat transfer
- Reduced coking and maintenance downtime
- Eliminates need for costly tank insulation
- Long service life
- Safe operation with control panel and oil flow switch



Hauck SHE Electric Suction Oil Heaters make use of the most efficient method to heat stored oil. Only the oil actually pumped from the tank for burning is heated to the proper pumping viscosity of 2000 SSU (4.3×10^{-4} m²/sec). Since there is no need to heat the entire tank, overall heating requirements are considerably reduced. The need for costly tank insulation is completely eliminated. In addition, the condition of the stored oil is not degraded by coking, oil stratification, or the “boiling off” of volatiles. Hauck SHE’s are available in a wide range of heating inputs from 15 to 200 kW to meet specific application requirements.

HAUCK MANUFACTURING COMPANY

P.O. Box 90
Lebanon, PA 17042
Phone: 717-272-3051
Fax: 717-273-9882
www.hauckburner.com

Combustion Excellence Since 1888

SHE

SUCTION OIL HEATER - ELECTRIC TYPE



ADVANTAGES OF THE SHE

Uniform Heat Transfer

Removable Heating Elements

Heats Only the Oil Required

Reduces Coking

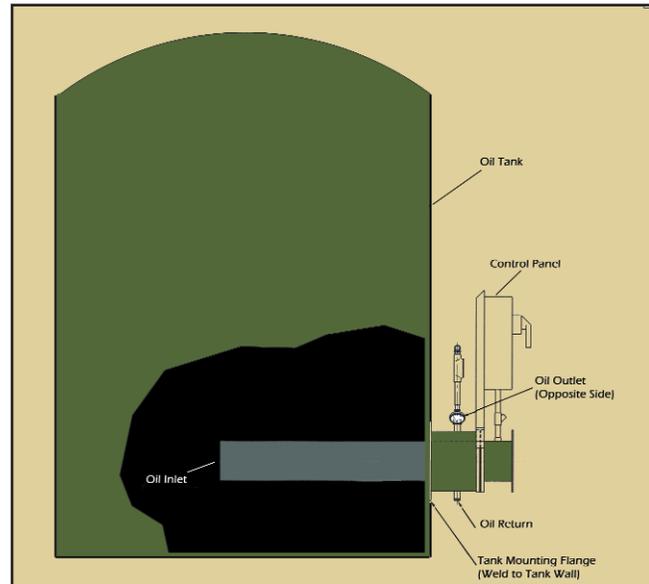
Eliminates the Need for Costly Tank Insulation

The Hauck SHE Electric Suction Oil Heater is designed for applications where heavy grades of fuel oil must be heated to the proper viscosity to facilitate pumping the oil from a storage tank. The use of an electric oil heater frequently eliminates the need for long steam and condensate line extensions or new steam generating installations in situations where steam is not available for heating.

Since the temperature of the stored oil does not directly affect the temperature of the oil delivered to the burner system, the storage tank can be filled at any time with cold oil without affecting the system. Start-up time of the oil system is minimized and oil heating is accomplished quickly and efficiently.

Uniform Heat Transfer

The SHE's heating elements provide uniform heat transfer and come with a five year warranty. These elements are ETL listed and utilize a low watt density design for longer service life and less coking.



Typical arrangement of horizontal suction heater.

The line heater unit is designed to provide approximately 9 watts heat input per square inch of heating surface.

Removable Heating Elements

The SHE's low watt density heat input permits the heating surface to operate at lower temperatures and thereby reduces coking and the frequency of cleaning and servicing. If required, the heating elements can be easily removed and replaced.

Automatic Temperature Control

Each line heater unit is equipped with a digital electronic temperature controller. After the controller is set at the desired temperature, the line heater automatically controls the temperature of the oil, thus eliminating overheating or underheating. The oil temperature is measured by a thermocouple located inside the discharge end of the heater.