

SUCTION STUB HEATER

Model SS

Approved by New York City, Board of Standards and Appeals (Cal. No. 700-57 SA)

The **Model SS Suction Stub Heater** is a low watt density, thermostatically controlled, electric immersion type fuel oil heater specifically designed to maintain residual fuel oil in the tank suction stub at a pumpable temperature during times the oil is not flowing.

Care should be used in selecting heaters for installation in the suction line to avoid oversizing or a subsequent high watt density applied to the heater surface. These conditions will cause temperature overrides which in turn lead to vapor lock at the oil pump. The wattage on the Model SS heater is relatively low, but is adequate to maintain the oil in the safe range of 80° F to 120° F during shutdown.

As shown in the sketch below, the heater is installed through the straight run of a tee located at the top of the suction stub. It is suitable for installation in 2" or larger suction lines. The length "A" shown in the table should exceed the tank diameter by six inches because of the required pipe fittings. The thermostat settings and all wiring connections are located in a heavy-duty cast iron, water and vapor-proof electrical junction box. A contactor is not required.

The Preferred Model SS Suction Stub Heater is stocked for 230/208 VAC single phase current in the sizes listed in the table. Heaters for 460 VAC single phase current and non-standard lengths are available on special order.

| Model | Rating in Watts | | "A" Dimension Inches | Catalog Number |
|-------|-----------------|--------|----------------------|----------------|
| | 230V | 208V | | |
| SS 1 | 750 | 613.2 | 75 | 13105 |
| SS 21 | 1000 | 818.6 | 99 | 13090 |
| SS 22 | 2000 | 1637.6 | 99 | 13091 |
| SS 31 | 1000 | 818.6 | 123 | 13092 |
| SS 32 | 2000 | 1637.2 | 123 | 13093 |
| SS 33 | 3000 | 2451.2 | 123 | 13094 |

Suggested Specifications

Provide and install in the oil suction stub, inside each tank, one (1) **Model SS** ___ **Suction Stub Heater** as manufactured by Preferred Utilities Mfg. Corp., Danbury, CT. Heater shall be of the low watt density type, thermostatically controlled and shall be complete with a cast iron water and vapor proof electrical junction box.

Ordering Information

Select catalog number from table above. Add voltage to part number. Example: **13091-480**

Specifications subject to change without notice.

