

**INSTALLATION  
INSTRUCTIONS****1" NPT OIL HEATER****WARNING**

DO NOT plug in heater if element is not immersed in coolant. If not immersed, element sheath may burst and could result in personal injury.

**CAUTION**

US a 50/50 solution of ethylene glycol antifreeze and water for optimum heater performance.  
DO NOT use more than 65% concentration of antifreeze, as a shortened heater life will result.  
DO NOT use heater in cooling system containing any form of stop-leak additive.

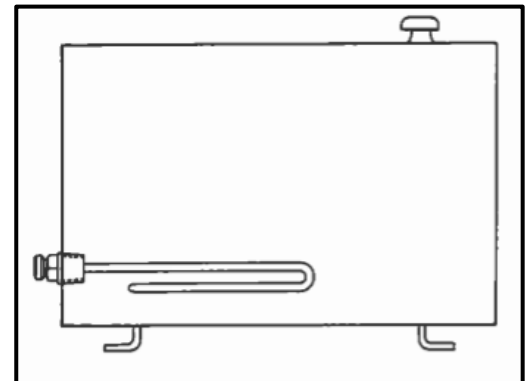
**HEATER INSTALLATION PROCEDURE**

1. Check tank for heater installation. This heater requires a 1" NPT port which is near the bottom of the tank. (Must be below oil level). For steel pans without a port, a weld flange can be used.

**Thermostat:**

The thermostat requires a 1/2" NPT port, preferably located on or below the horizontal level of the heater. The port should be approximately 4-8" away from the heater. A weld flange is available for steel pans without a 1/2" port.

2. Drain oil and check for oil pump screens, baffles, etc. which would interfere with the heater.
3. Remove available access plug or drill and tap boss.
4. Install heater (& thermostat if used), using a good grade gasket cement on threads.
5. Connect wiring to heater (& thermostat) being careful to align pins with the sockets of the cord connector. Protect cord from chafing on moving parts, heat from manifold and exhaust pipe.
6. Refill oil to proper level.

**IMPORTANT**

In extremely cold weather, the heater should be connected to the power source when oil is still warm. This will reduce the possibility of oil coking on the heater. Severe coking can cause heater failure.

**WARRANTY**

The Phillips & Temro Industries warranty statement is located on the website at [phillipsandtemro.com/terms](http://phillipsandtemro.com/terms).