

UTILITY TYPE IMMERSION HEATERS

Model 492 / 290 / 297 / 301 Heaters

General Operating Instructions

Model 492 Utility Type Heaters

1. Plug the cord s grounded 3-wire 115 VAC outlet only, with the thermostat knob at minimum.
2. Turn adjustment knob clockwise until the desired temperature is obtained, Pilot light indicates the heater is actively heating.
3. Use a temperature indicator to monitor liquid temperature.
4. Upon reaching your desired temperature, turn knob counter clockwise until the pilot light goes out.

Model 290, 297, & 301 Utility Type Heaters

1. Turn the adjustment knob to the low position stop.
2. Plug the cord-set into a grounded 3-wire 115 VAC outlet only, while in the “off” position.
Turn knob clockwise 1 or 2 numbers at a time until the desired temperature is obtained. Allow for a few 3. moments for stabilization after each adjustment. When the pilot light pulses on-off, the unit is heating.
4. Use a temperature indicator to monitor the temperature of the heated liquid
5. Should the heater not control at a sufficiently high temperature when the knob is set to “high”, it is possible to obtain a small amount of additional adjustment by doing the following.
 - (a) With the knob at its high position, loosen the set screw on the knob and remove the knob from the shaft.
 - (b) Replace the knob at mid-position and repeat the operations as specified in step three above.

Important Considerations & Warnings

For long life, mineral scale should be removed periodically from the heating element and probe.

The heating element coils will reach extremely high temperatures if not fully immersed and will create a fire hazard and damage the heater.

The heaters on this page are designed for use in water based solutions that are suitable for T-316 Stainless Steel.

The heaters should not be immersed in flammable solutions.

The heaters should only come in contact with metal or glass.

Do not leave heaters unattended.

Required Liquid Levels Must be maintained

- A. Models 492 \geq 5” above the bottom coil.
- B. Models 290 \geq 5” above the bottom coil.
- C. Models 297 \geq 4” above the bottom coil.
- D. Models 301 \geq 5” above the bottom coil.



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