

INDUSTRIAL & LABORATORY IMMERSION HEATERS

Model 300 / 500 Heaters

General Operating Instructions

Model 305, 305MP, 305WP heaters

1. Apply teflon tape or sealing compound to 1" N.P.T. threads of the unit.
2. For best results mount the unit in a horizontal position in the tank with the sensing element facing upwards.
3. Fill the tank with liquid.
4. Plug the unit into a grounded 115v AC OUTLET ONLY.
5. Turn the adjustment knob clockwise to the high limit stop. **(DO NOT FORCE PAST LIMIT STOP).**
6. The unit is heating when the pilot light is on.
7. Use a temperature indicator to monitor the temperature of the liquid.
8. When the desired temperature is reached, turn the adjustment knob counter-clockwise until the pilot light goes out.
9. The model 305MP has no pilot light. Slowly turn the adjustment shaft through the rubber tip clockwise to increase temperature until the desired temperature is reached.

WARNING: DO NOT IMMERSE OR SPRAY HEAD ← Exception: WP Units are waterproof (IP67)

Model 306, 324, 335 heaters

1. Hang unit on tank using the provided stainless steel hanger.
2. Fill tank up to within 1" of the head. **(DO NOT IMMERSE HEAD)**
3. Plug the unit into a grounded 115v AC OUTLET ONLY.
4. Turn the adjustment knob clockwise to the high limit stop. **(DO NOT FORCE PAST LIMIT STOP).**
5. The unit is heating when the pilot light is on.
6. Use a temperature indicator to monitor the temperature of the liquid.
7. When the desired temperature is reached, turn the adjustment knob counter-clockwise until the pilot light goes out.

Model 560, 560WP

1. Apply teflon tape or sealing compound to 1" N.P.T. threads of the unit.
Fill the tank with water.
2. Plug the heater into a grounded 115 VAC outlet only
3. Use a temperature indicator to monitor the water temperature
4. The standard Model 560 has a thermostat that will control the temperature of 1 gallon of water to 180°F minimum.

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.



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