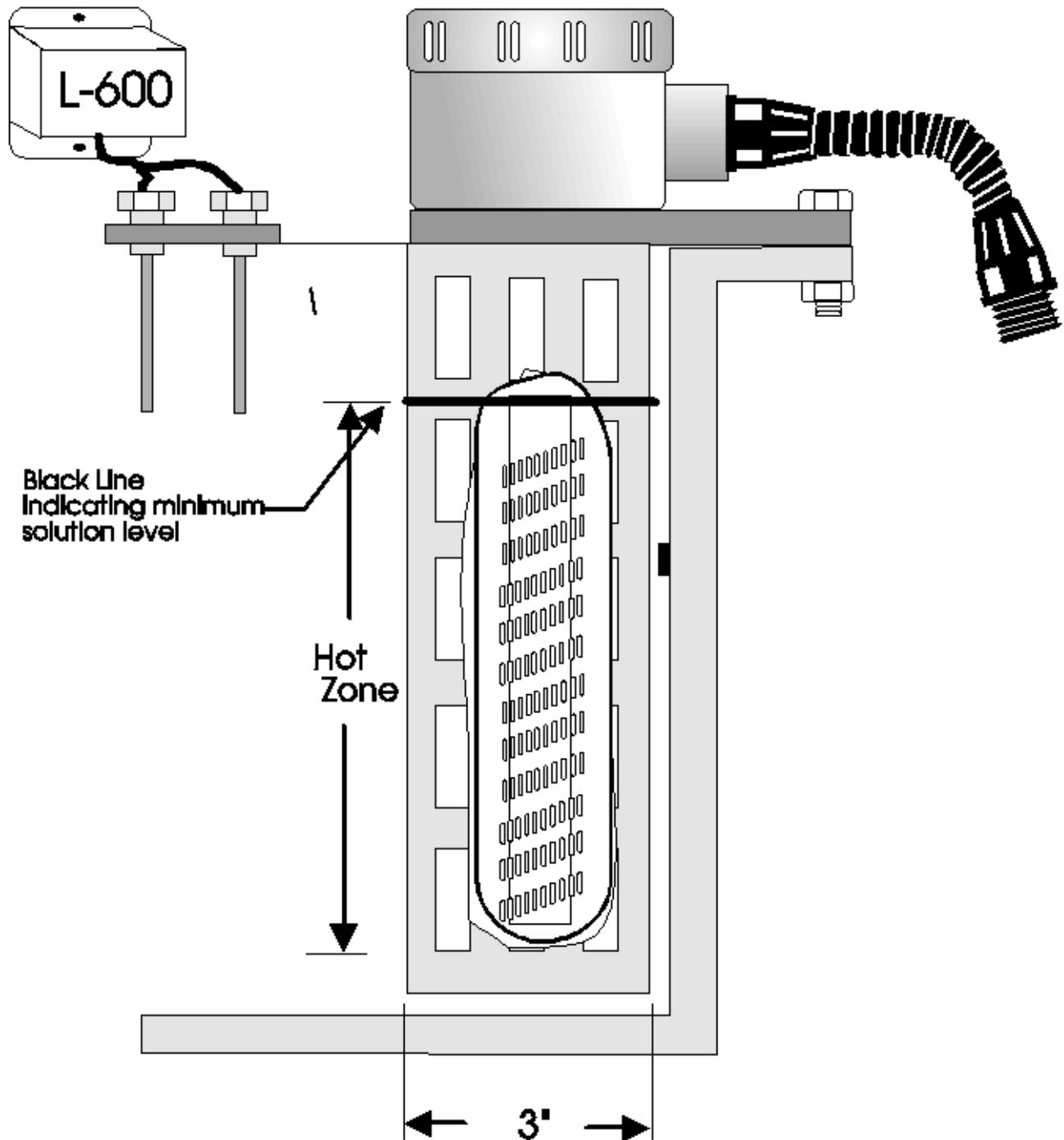


TITAN HEATERS, INC.

1715 Fiske Pl Oxnard, CA 93033
PH 805-483-1101 FX 805-487-5047

Type AQ



AQ SERIES, SINGLE PHASE HEATERS

The Acid Test ... that describes Titan's AQ SERIES of heaters. These heaters are typically used in chemical baths that have a pH of 1 to 7.

The quartz heaters work on the principle of INFRARED HEATING. The open type, element emits infrared radiation through the quartz tube, exiting the tube and intern heating the solution that is located on the outer portion of the quartz sheath. Keeping the liquid level at the proper height is important.

In the event of evaporation, or solution loss from tank leakage, our L-600MR Series level system will de-energize the heaters. The level probes should be cut 1/2 above the black indicating line on the guard.

Other brands, work on the principle of conduction. Their internal, metal elements, while trying to generate heat out, also project heat inward toward the other elements, consequently creating a shorter element life.

Because of Titan's **REPLACEABLE ELEMENT**, the Automatic Thermal Switch (ATS) is not a practical application. An L-600MR Series, Liquid Level Monitoring System should be installed at the same time as the heater (s).

INSTALLING THE HEATER IN A PLASTIC or PLASTIC LINED TANK, OR A TANK WITH PLASTIC FUME REDUCTION BALLS ON TOP?

A complete heating system for plastic or plastic lined tanks should consist of the following components:

- 1) An electric immersion heater with a liquid level safety device built into the control system.
(The SMC OR M-43, or M-44 SERIES of controllers with the L/C and MR are required.)
- 2) A temperature control system with a manual reset button.
- 3) A spare set of probes.

ORDERING INFORMATION

Standard Heaters

All the heaters listed are indicated as **1 PHASE (single phase)**. Three single phase heaters can be purchased and wired in 3 phase.

All quartz heaters come with **3 PARTS : ELEMENT , TUBE , AND A GUARD . Each can be ordered separately.**

- 1) Check the CHEMICAL COMPATIBILITY CHART in the front of the catalog.
- 2) Go to the WATTAGE CALCULATION FORMULA and determine the wattage. Find out what your VOLTAGE IS GOING TO BE. Follow the wattage in the left hand column, read over to the voltage, and make your selection.
- 3) Call out the model number for a standard heater...
AQ-288 C For a complete heater.
AQ-288 LG For Quartz tube and element only
AQ-288 E For the replaceable element only.
AQ-288 QT For Quartz Tube only
AQ-288 G For Guard only
- 4) Lead Cable Length (CLL)

The standard lead cable is 3' . An option of 6' is available for 30.00 dollars more. **AQ-288-C CLL**.

- 5) When ordering , indicate to the person on the phone the TYPE or BRAND of LEVEL SAFETY SYSTEM you are currently using.

NOTE: FOR PLASTIC OR PLASTIC LINED TANKS--- PROCEED TO THE CONTROL SECTION and select your temperature control system, with the manual reset capability , and the liquid level safety device.

WARNING! DANGER! CAUTION! SHOCK HAZARDY!

All electric resistance heaters have a potential for a shock hazard.

Be sure your system is properly grounded.

FLAMMABLE SOURCE!

All electric resistance heaters are a potential source of ignition. Do not use in, around, or near any flammable items.