

## STH-8400

**Technology Description-** Designed to be placed into service through roof hatch without tank entry. Submersible, grid powered, tank heater for potable water tanks and reservoirs. Designed for continuous operation via thermostat control and can be installed through roof hatch without requiring tank entry.

**Materials of Construction** - 316 stainless steel shell and hardware construction. STH-8400 has been constructed using safe materials for contact with potable water.

50 ft (15.25 m) of T316 stainless steel retrieval chain included for machine installation and retrieval without requiring tank entry.

**Minimum Access Opening** - Machine can be placed through 12 inch (30 cm) diameter opening.

**Minimum Water Depth** - Unit must be fully submerged. Adjustable float switch attached to heater allows for automatic low water shut off to prevent damage to heater.

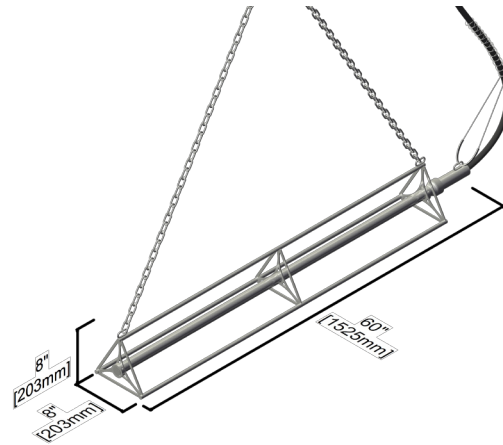


Figure 1: STH-8400

**Electrical Requirements** - The standard 240VAC heating element requires 240VAC/1PH power source (Minimum 50 Amp Service), The STH-8400 unit draws approximately 35.0 Amps @ 240VAC / 60Hz. Nominal power consumption is 8400 Watts.

**Wiring** - Includes 50 ft (15.2 m) of 8AWG and 50 ft (15.25 m) of submersible power cable to terminate within junction box at top of tank. Junction box and Control Box are included.

**Sealed Penetration Fitting** - T316 stainless steel tank fitting and cord grip included for sealed cord entry through tank roof. Not designed as a submersible penetration.

**Thermostat** - Thermostat controls heater starter to allow for heat when temperature requires. Adjustable range of -30 to 90F, and remote bulb sensor.

### Shipping Size / Weight

- Crate 1 of 1: 72x16x16 in. / 125 lbs, Box 1: of 1: 24x21x10 in. / 21 lbs: Total shipment weight: 146 lbs

**Certifications** - Medora Corporation's potable water products are certified to ANSI/NSF Standard 61, and 372 for lead-free content. Learn more at: [www.medoraco.com/std61](http://www.medoraco.com/std61)

**Life / Maintenance / Warranty** - 25-year design life, limited maintenance. Limited 1-year parts and labor warranty, See Warranty Statement for details.

Subject to change without notice.