

Basin Heater System

STEAM JET INJECTOR

engineering data
and specifications



The basin heater system is pre-engineered, UL listed and CSA approved for cooling tower basin freeze protection during system shutdown.

BASIN HEATER SYSTEM PACKAGE ADVANTAGES:

Solid-State Control Technology- Combines temperature control with low water level protection in a single solid-state device.

NEMA 4X Enclosure All controls are factory wired inside a rugged NEMA 4X enclosure designed for outdoor use.

Lower Cost Installation time and cost are reduced by replacing individually-mounted temperature and liquid level control devices with one pre-engineered and assembled control package that requires only one probe to sense both water temperature and level.

THE COMPLETE SYSTEM PACKAGE INCLUDES:

- Steam injector heater(s)
- Control panel with solid-state printed circuit board
- Sensor probe with cord
- Wiring diagram



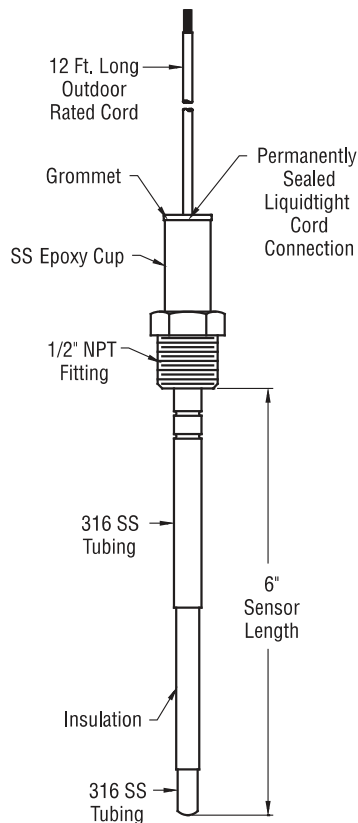
Steam Heater Control System

SENSOR PROBE SPECIFICATIONS:

Sensor Probe assembly incorporates both temperature and liquid level sensors. Probe is 316 stainless steel to minimize corrosion. Probe can be installed vertically or horizontally.

Maximum Pressure Rating for Sensor Probe is 15 psi.

Outdoor rated cord with PVC hub connector for installation through tower basin wall. Options include different cord lengths or cord suitable for total immersion.



CONTROL PANEL SPECIFICATIONS:

Solid-State Control is preset at 45°F ON/OFF temperature control with 5°F switching differential and built-in low water cutoff. Circuit board LEDs provide visual indication of heater-on and liquid level status.

Ambient Temperature Range -40°F to 150°F.

NEMA 4X Enclosure with pre-mounted electrical hubs for conduit connections.

Single Probe to sense both water temperature and water level. Sensor probe supplied with 12-foot outdoor rated cord pre-connected to control panel. Probe also supplied with PVC hub connector for attachments through cooling tower basin wall.

Rated For 40 amps.

Suitable for control of steam injectors.

Dimensions 8" x 10" x 6" for 40 amp size.

Voltage 120VAC single phase.

OPTIONS

Disconnect Switch with door interlock and operator handle, which can be padlocked in the OFF position.

Circuit Breaker

SPX COOLING TECHNOLOGIES, INC.

7401 WEST 129 STREET
OVERLAND PARK, KS 66213 USA
913 664 7400 | spxcooling@spx.com
spxcooling.com

TECH-BHS-19 | ISSUED 11/2019

©2019 SPX COOLING TECHNOLOGIES, INC. ALL RIGHTS RESERVED
In the interest of technological progress, all products are subject to design and/or material change without notice.

