

# TEMPERING SYSTEMS AND VALVES

## □ 9325

Haws offers Model 9325, an electric water heating system designed to eliminate the need for large water storage tanks, as well as the continuous energy demand to maintain them at higher temperatures. This will also provide safety showers with an unlimited supply of tepid water, eliminating the “recovery time” needed to reheat large storage tanks after use.

### Features

**Heater:** Model 9325 instantaneous heater systems consist of a controlled heater package housed in a NEMA 4 enclosure.

**Valves:** Lockable ball valves on the system inlet and outlet piping.

**Unions:** 1 ¼” unions for customer connection.

**Strainer:** Inlet Y-strainer to protect system from debris.

**Gauges:** Temperature and pressure gauges to allow system monitoring during use, and verify system operation during scheduled testing.

**Bypass Valve:** Solenoid bypass valve, to prevent dangerous water temperatures in the event of a temperature controller failure, and to allow direct water supply to safety equipment in the event of loss of power. Also, by disconnecting power, the user can manually circumvent a flow blockage, maintaining water supply to emergency shower and eyewash units. Other options or modifications available upon request.

### Technical Details

**Overall dimensions:** Approximately 72” H x 38” W x 12” D

**Input Power:** 126 kW

**Required Service Amperage:** 160 AMP

**Minimum water supply temperature to provide tepid water at 80°F (27°C):** 46°F (8°C).

**Approximate pressure drop @ 25 GPM:** 35 PSI

Model 9325 tempered water instantaneous heater system is provided in a 480VAC/3-Phase “Wye” version requiring 3 power leads, a neutral conductor, and a ground conductor each sized for the full amperage of the system. It is micro-processed-controlled, to an accuracy of  $\pm 1^{\circ}\text{F}$ . It requires wall mounting, or bolting to some vertical surface.

Note that the customer is responsible for providing a local fused disconnect switch or circuit breaker size. Provision of this switch can be quoted as an optional system adder. The customer should check with local code authorities regarding temperature or pressure relief valve requirements – if back flow prevention is present, a relief valve may be required. Please contact Haws Engineering if application must require installation in a hazardous classified location, or with different power requirements. Some different wattages are available, as well as a 480VAC/3-Phase “Delta” version as a special order. This version requires 3 power leads, and a ground conductor each sized for the full amperage of the system (no neutral required). It is digitally-controlled to an accuracy of  $\pm 2^{\circ}\text{F}$ . It requires either wall mounting or floor mounting.

