

# 8710

# COLD

The 8710 E<sup>3</sup> series comes equipped with a 20 GPM shower, 5 GPM eye/face wash and 3 GPM drench hose, an insulated all-weather booth with an integral hot water supply and tempered blending system. Haws offers 119

and 325 gallon storage capacities, as well as an instantaneous steam heat exchanger as options. Should the simultaneous operation of more than one shower be desired, Haws offers a high-flow blending system for the 325 gallon tank and steam heat exchanger systems. All tempered water systems incorporate fail-safe features, including anti-scald protection and full flow cold water bypass.

The 8710 is ideal as a complete stand-alone system, or as a feeder to the other remote showers. Multiple shower systems may be connected with heat-traced lines or pump driven recirculating lines.

## Specifications

### Enclosure:

**Booth:** The booth is a foam insulated, membrane encapsulated wooden structure, the entire composition of which carries a total R-Value of 11. The bright yellow elastomeric membrane is waterproof, chemically resistant, and protected with UV inhibitors for a long lasting finish. Large green graphics identify the building as an emergency shower/eye/face wash station and assist in guiding the user to the double swing doors. The interior is temperature controlled and illuminated for user safety and comfort.

**Doors:** Dual spring-loaded, self-closing with clear 8"X12" windows.

**Grate:** Floor grate is fiberglass.

### Multiple Drench Systems:

**Shower:** Model 8129FC 10 5/8" ABS plastic showerhead with integral 20 GPM flow control in safety green.

**Eye/Face Wash:** 5 GPM Feather Flo\* ABS plastic heads (Model SP21FC - 2 required).

**Drench Hose:** 3 GPM hose with flag and ball valve.

**Freeze/Scald Valves:** Models SP157A and SP158A.

**Alarm System:** Standard alarm system is flow switch activated, and provides local audible and visible alarms with dry hermetic relay contacts for remote alarm hookup. System includes silencing circuit with auto reset. Area light flashes and alarm sounds upon activation.

**Flow Switch:** 5 amps, DPDT, alarm activation at 2.2 GPM.

**Blending System:** Model TWBS.SH.

**Water Heater:** 4.0 kW, 240 VAC copper immersion heater or steam heat exchanger.

**Space Heater:** Natural convection 2.5 kW.

**Lights:** 60 Watt, interior clear and exterior green (normally on).

**Thermostat:** Dual element thermostat.

**Plumbing:** 1 1/4" IPS. Schedule 40 galvanized piping with brass and stainless steel valves. 3" inside caulk.

## Tempering System Options

### Tank Systems:

- 119 Gallon Tank (Option No. 21):** Stores enough hot water to provide a single 15 minute, 25 GPM combination shower. Recovery time of up to 6 hours.
- 119 Gallon ASME Tank (Option No. 22):** Stores enough hot water to provide a single 15 minute, 25 GPM combination shower. Recovery time of up to 6 hours.
- 325 Gallon Tank (Option No. 23):** Stores enough hot water for either a 30 minute shower, or two showers running back to back. Tank volume is also sufficient for two showers running simultaneously with higher capacity TWBS. (Quoted separately).

### Steam Systems:

When steam supply is available, a Haws steam heat exchanger and mixing system is the best approach for efficient tempering, especially with multiple showers or recirculating systems. Haws' standard system is sized to provide up to 25 GPM of 80°F (26°C) tempered water, and requires no recovery time. Higher flow systems are available.

- Steam Heat Exchanger (Option No. 24):** Feed forward instantaneous heat exchanger. Requires 15 PSIG, max. 1300 lbs. steam supply.

### Electrical System Options:

Haws' standard system requires 208/240 VAC single phase, 3 wire 20 amps (min.), electrical supply.

- NEMA 4**  
Tank- Option No. 31, Steam- Option No. 36
- NEMA 7 CLASS I, DIV 2, Group B, C, D**  
Tank- Option No. 32, Steam- Option No. 37
- NEMA 7 CLASS I, DIV 1, Group C, D**  
Tank- Option No. 33, Steam- Option No. 38

enclosed emergency environments™

