ThermOmegaTech®

ESS Emergency Safety Shower Water Heater

Tepid Water for Emergency Safety Shower/Eyewash Stations

Features

- Heavy duty Construction with Hydrastone cement lining provides tank longevity
- Copper-silicon alloy tappings cannot rust nor corrode
- High impact composite jacket cannot rust nor corrode and eliminates potential damage during installation and transit
- 3″ thick polyurethane foam insulation reduces standby heat loss by over 24% compared to industry standard 2″ insulated tanks



Perfectly Packaged System

- Factory packaged with the Therm-O-Mix® Station/WWM simplifies installation and ensures a safe reliable supply of tepid water
- All electrical operating controls are factory selected and wired to ensure reliable operation
- Dial gauge provides visual indication of water temperature and pressure

Safety

- Mixing valve designed specifically for emergency drench systems ensures a constant flow of tepid water
- Mixing valve prohibits delivery of overheated water to prevent scalding
- Provides tepid water even when an accident causes a loss of electric power
- Reduces the risk of Legionella because water is stored at an elevated temperature

Reliable

- Full five (5) year non pro-rated tank warranty
- Each valve is performance tested at the factory to ensure proper operation

ESS Part Number Designation

Family Designation	Storage Capacity	Tepid Water Temperature	Standard Ratings KW	Tank Type	Voltage/Phase/HZ		
	0 = 119 Gal.	0 = 85°F 1 = 75°F	0 = 1.5 1 = 3 2 = 4 3 = 4.5 4 = 6 5 = 10 6 = 7 7 = 12 8 = 6.3	0 = SL (Hydrastone Cement Lined)	0 = 240-1-60 1 = 480-3-60 2 = 208-1-60 3 = 277-1-60 4 = 120-1-60 5 = 480-1-60 6 = 208-3-60 7 = 600-3-60		
389	0	0	3	0	0	0	000

Note: For additional features such as alarm controllers, explosion-resistant construction, NEMA 4X enclosure, outdoor weather package, heat tracing, or integrally welded points, please contact ThermOmegaTech®.

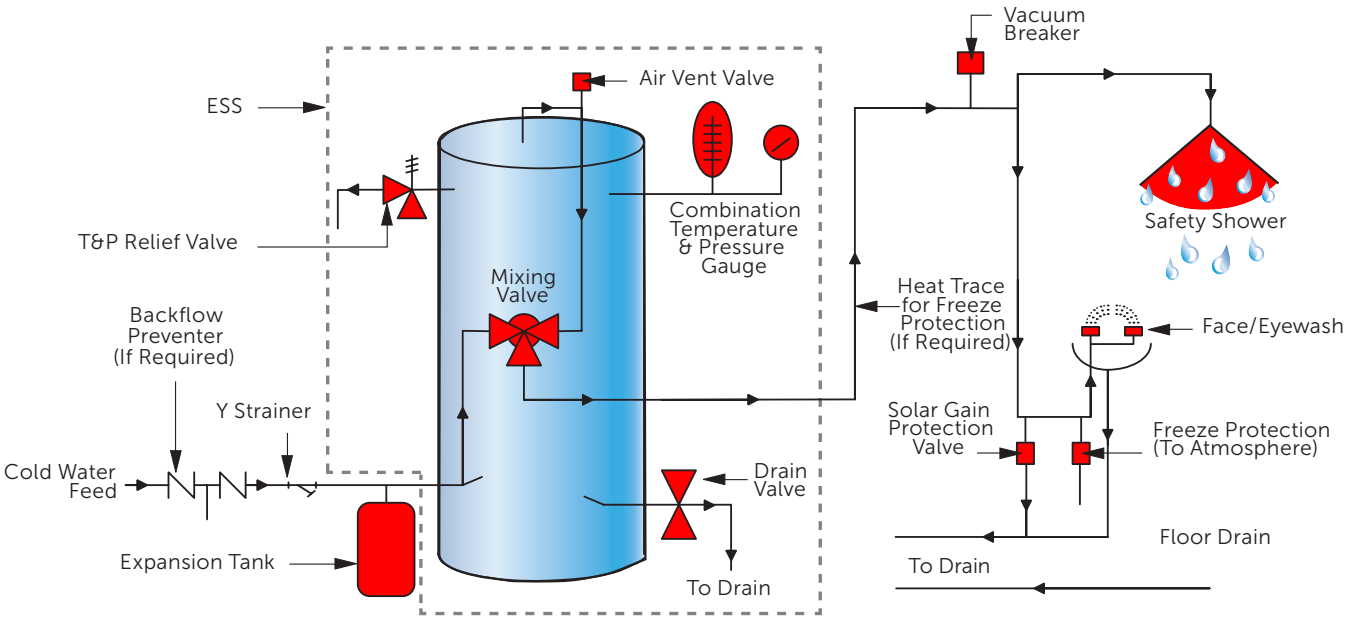
Note: Not all model configurations are available. Please reference kW and Amperage Selection Chart to ensure model is available. Contact ThermOmegaTech® or your local Rep for assistance.

Example: 389-003000-000 The ESS Water Heater emergency tepid water delivery system with a storage capacity of 119 Gallons, 85°F set point of the mixing valve and a 4.5 KW rating. Storage tank is lined with Hydrastone cement and operates at 240 Volts single-phase power.

ESS Water Heater Specifications

Tank:	Hydrastone Cement Lined Steel	**Tepid Water Outlet Size:**	11/4" Female NPT	**Mixing Valve Cv:**	10.0	**Elements:**	Copper Sheathed
Storage Capacity:	119 Gallons (see note)	**Drain Size:**	3/4" GHT	**Pressure Drop at 20 GPM:**	4 PSI	**Insulation:**	3" Polyurethane Foam
Orientation:	Vertical	**Relief Valve Size:**	3/4" Female NPT	**Minimum Supply Pressure:**	40 PSIG	**Tank Warranty Standard:** **Optional:**	5 Year Non Pro-Rated 10 Year Non Pro-Rated
Voltages:	120 thru 600 Volt	**Relief Valve Type:**	T&P, 210°F, 150 PSI	**Hi-Limit:**	190°F	**Electrical Warranty:**	1 Year
Phase:	1 or 3	**Thermostat Range:**	100-180°F	**Design WP:**	150 PSI	**Jacket:**	High Impact Colorized Composite
Cold Water Inlet Size:	11/2" Female NPT	**Piping:**	Copper Tubing	**Design TP:**	300 PSI	**Color:**	Brown and Tan

Note: Alternate storage capacities are available for smaller or larger requirements. Please consult factory for sizing requirements.



NOTE: For systems requiring recirculation see ThermOmegaTech® IMI for typical piping schematic.