

LAWLER MODEL 911E® ETS

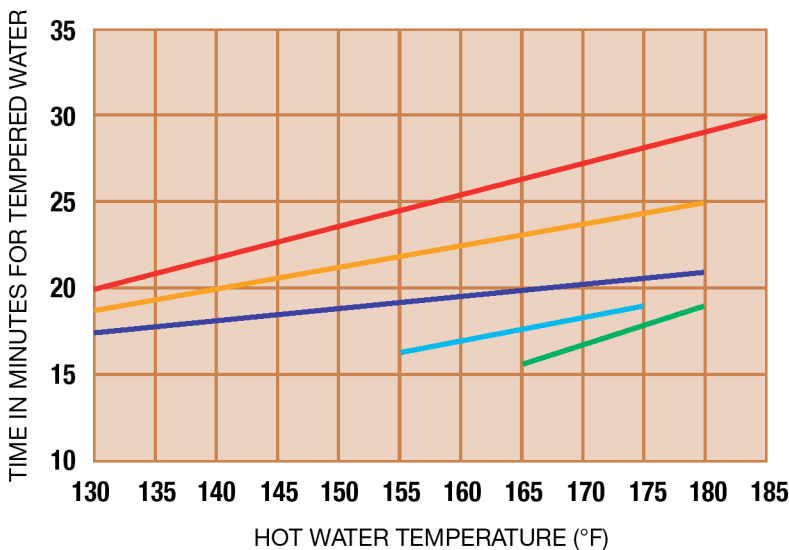
Lawler's #1 Selling Emergency Valve Technology

Product Description

The Model 911E® Emergency Tempering System (ETS) fills a critical need in the industry to economically deliver tepid water for high-low flow emergency applications. The Model 911E® ETS provides both water heating and thermostatic mixing for combination emergency and eyewash equipment. The Model 911E® ETS incorporates Lawler's patented 911E® and 911EF® thermostatic mixing valves, offering positive hot water shut off and full flow cold water bypass together with a water heating source designed to help you meet ANSI Z358.1-2009. Lawler's patented Accumulator™ flattens out the temperature spike that is the natural result of suddenly bringing a large volume of hot and cold water together. The Model 911E® Single Shower/Eyewash ETS requires only a cold water source and 120V 20AMP power – making it both economical and flexible.

Product Performance

Lawler's Model 911E® Emergency Tempering System is a unique stand-alone solution that fills a critical need in the industry to economically deliver tempered water for high-low flow emergency applications.



- Cold Water Temp (50°)
- Cold Water Temp (55°)
- Cold Water Temp (60°)
- Cold Water Temp (65°)
- Cold Water Temp (70°)



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| Feature | Benefit |
|---|---|
| Lawler 911® Valves and Lawler Accumulator™ | Provides comfortable water regardless of changes in incoming hot and cold water and prevents temperature spikes |
| 911E® & 911EF® Integral Cold Water Bypass | Reliable cold water delivery if hot water supply is interrupted |
| 911E® & 911EF® Positive Hot Water Shut-Off | Eliminates the delivery of scalding water to a drenching showers and/or eyewash units |
| Basic Install Requirements: • 120V 20AMP • Standard cold water source | Simple solution when common utilities are the only available resource Easy to install and relocate |
| Integral Heat Trap | Prevents heat migration to the cold side of the valve |
| In-Line Maintenance | Repairs are fast and easy |
| Patented Design • 5,011,074 • 5,379,936 • Pat. Pending | Proven, distinct performance advantages |

Applications

- Remote Installation Locations (e.g., Golf Courses, Off-Site Storage, etc.)
- Loading Docks
- Long-Term Construction Sites
- Manufacturing, Distribution and Operations Environments
- Renovation and Retrofit

Applicable Standards

- ASSE 1071
- ANSI Z358.1-2009

Options

Lawler's 911E® ETS offers the following shower and eyewash equipment:

- Guardian G 1902 P
- Haws 8320
- Speakman SE-697
- Other as specified

Halies - Cold water filter also available (as specified)

Operation Diagram

Cold water supplied to the unit is heated by a common power source, 120V 20AMP power, to 180°F. Upon actuation of the emergency equipment, hot water flows through the Lawler Accumulator™ effectively blending the hot water resulting in a flattening of temperature spike through the system. (A thermostatic mixing valve alone is incapable of flattening this temperature spike due to the response time of the thermostatic element.) After the Lawler Accumulator™ blends the hot water, Lawler's 911E® and 911EF® thermostatic mixing valves work together to equalize pressure in the system and to mix hot and cold water to provide comfortable tepid water for 15 minutes, consistent with ANSI A358.1-2009.

The ETS is designed to satisfy both the high- and low-flow rates required by today's combination emergency equipment. It is for indoor use only and may be ordered with optional emergency shower and eyewash equipment. The ETS easily fits into existing plumbing and electrical systems.

Maximum Inlet Conditions:
125 PSI and 180°F

Recommended Supply Pressure:
65 PSI

Connections:
1-1/4" NPT

Tepid Capacity:
25 GPM at 30 PSI
7 GPM at 30 PSI (for 911EF® only)

Bypass Capacity:
21 GPM at 30 PSI
3 GPM at 30 PSI (for 911EF® only)



Model 911®E ETS

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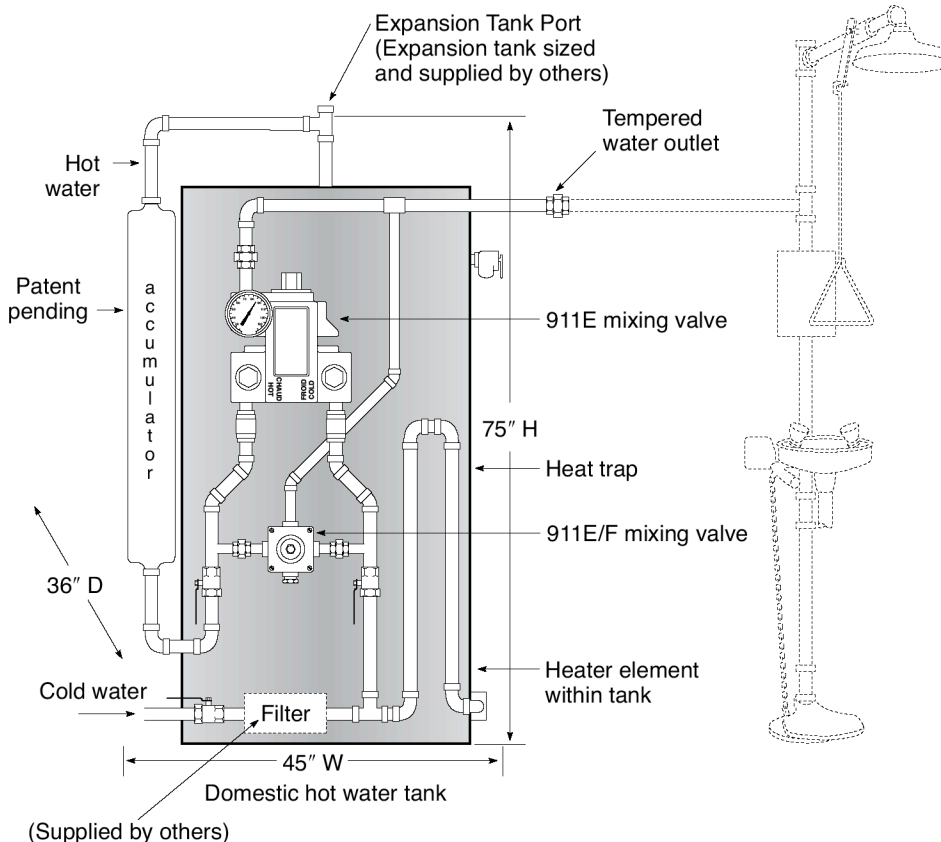
DATA SHEET

Emergency Tempering System for Combination Emergency Shower and Eyewash Equipment

ENG. NO. 87200-A

Unit No. 87200

ASSE Lead Free
Certified



The Emergency Tempering System shall consist of a water heater storage tank and 120V 20AMP heating element. The Emergency Tempering System shall incorporate 2 emergency mixing valves capable of controlling outlet temperature over a wide range of flows and employ a liquid-filled thermostatic motor and a stainless steel sliding piston control device. The valves shall offer positive hot water shut-off in the event of cold water supply loss and full flow cold water bypass in the event of hot water supply loss or thermostatic failure. The system shall also incorporate a device capable of flattening temperature spike through the system as well as a heat trap to prevent heat migration to the cold side of the mixing valve.

Unit supplied complete with pre-piped 118 gallon storage tank, 120V 20 AMP heating element, Lawler accumulator (patent pending), 911®E and 911®E/F Emergency Mixing Valves. Approximate weight empty = 600 lbs.

The hot water tank is UL listed, heating element is CSA approved and the housing has a Nema #4 rating.

Options

Combination Shower and Eyewash Equipment

- Guardian G 1902 P
- Haws 8320
- Speakman SE-697
- Other, please specify _____

Cold water filter

- Please specify _____
- Nema 7 rated box-Explosion proof.
Please call factory for pricing.

Special tank or power requirements, please contact factory.

Design and specification subject to change without notice.



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