



MANUFACTURING CO., INC.
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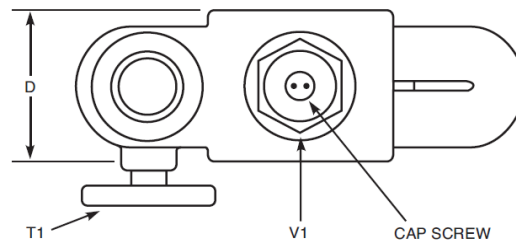
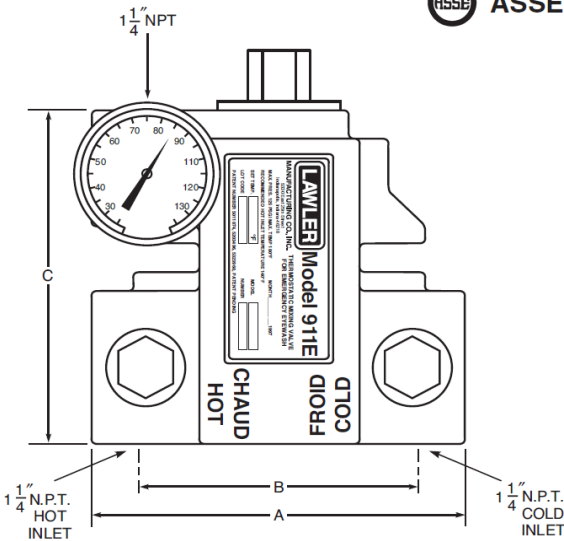
www.lawlervalve.com

Installation &
 Maintenance Manual
 M EWV F
 PAT. NO. 5,011,074.
 PAT. NO. 5,379,936.

Series 911[®]E

Drench Shower & Eye Wash Valve

ASSE 1071 Approved



DIMENSIONS:

Valve Number	A	B	C	D
911E	7"	5"	6 1/2"	3"

CAPACITIES - SERIES 911E

Pressure Drop PSI	5	10	20	30	45
Tempered Flow	9	13	17	25	27
Cold Water Bypass	7	10	14	21	22

Caution: When maintaining and adjusting the mixing valve, the delivered flushing fluid temperature shall be 60°F (15°C) to 95°F (35°C). In circumstances where chemical reaction is accelerated by flushing fluid temperature, a medical advisor should be consulted for the optimum temperature for each application.

Setting the Mixing Valve

Caution: When maintaining and adjusting the mixing valve, all fixtures should be isolated from use. Lawler Manufacturing Co., Inc. recommends that you work safely at all times and in a manner consistent with the OSHA Lock/Tagout standard, 29 CFR 1910.147 and other applicable standards.

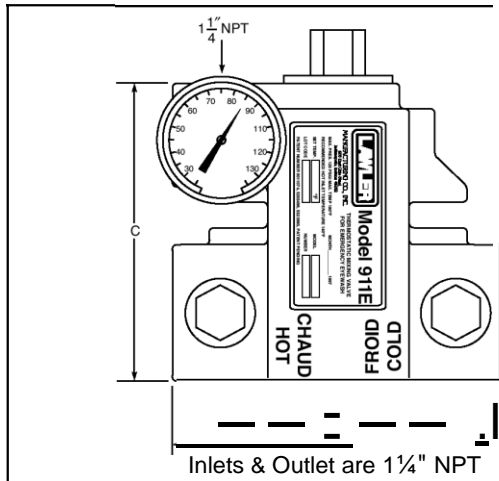
This mixing valve has been set at the factory to deliver 85°F outlet flow. Should the valve require adjustment, or an application require a different set temperature, proceed as follows:

1. Contact the proper medical and safety authorities to determine the correct water temperature for the specific application.

2. Use a spanner wrench to remove the tamper-resistant cap screw.
3. Create a draw on the mixing valve by opening a downstream eye wash fixture.
4. Insert a 5/32" allen key into the cap opening of the valve (V1) and seat in the adjustment screw (not shown). Set the outlet temperature by turning the adjustment screw clockwise to reduce temperature, counterclockwise to increase temperature. Use the dial thermometer (T1) to measure the outlet temperature.
5. Replace cap screw.

Note: Valve must be installed with check valves. If shut off valves are installed in the shower line for maintenance purposes, provisions shall be made to prevent unauthorized shut off.

(1)



www.lawlervalve.com

DATA SHEET

ENG. NO. 8429-G
 PAT. NO. 5,379,936.
 PAT. NO. 5,011,074.

**Thermostatic
 Mixing Valve
 Model 911®E
 Emergency Shower
 Eyewash**

9

Unit No. 8429

**ASSE Lead Free
 Certified**

ASSE 1071 Approved

Allow for 3" Depth

The Emergency Shower and Eyewash Mixing Valve shall control outlet temperature over a wide range of flow and shall be suitable for a single shower or for single or multiple eyewash applications in order to comply with ANSI standard Z358.1-2009. The valve shall include a thermometer to measure the temperature of the stream. Temperature adjustment shall be vandal-resistant.

The control mechanism shall employ a liquid-filled thermostatic motor to drive the valve without additional power requirements. The control mechanism shall employ a stainless steel sliding piston control device with reverse seat closure and both fixed and variable cold water bypass.

In the event of interruption of the cold water supply, the control mechanism closes off the hot water port, stopping all flow. Positive hot water shut-off.

In the event of interruption of the hot water supply, the control mechanism shall allow cold flow through both the fixed and variable bypass.

In the event that the liquid motor fails, the control mechanism closes off the hot water port with the reverse seat and fully opens the internal variable bypass to allow cold water flow.

- Maximum Inlet Pressure:** 125 PSI.
- Recommended Operating Pressure:** 65 PSI.
- Minimum Supply Pressure:** 35 PSI.
- Recommended Inlet Temperature:** 120°F.*

VALVE FINISH

Rough Bronze Chrome Plate

TEMP. RANGE

70° to 90°F

SET POINT

85°F

*When supplying 140°F or greater, additional outlet controls should be used.

LAWLER

MANUFACTURING CO., INC.

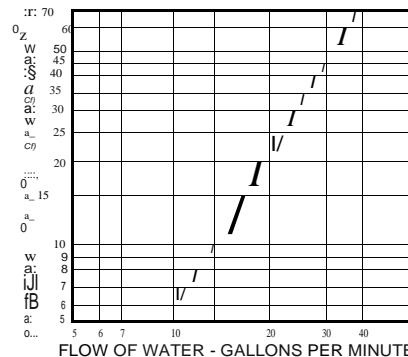
5330 East 25th Street
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 Phone (317) 261-1212
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Helps meet
 ANSI standard
 Z358.1-2009

DIMENSIONS:

Valve Number	A	B	C
911E	7"	5"	6½"

**CAPACITY OF TYPE 911E
 THERMOSTATIC MIXING VALVE FOR
 EMERGENCY SHOWER AND EYEWASH**



CAPACITIES - MODEL 911 E

Pressure Drop PSI	5	10	20	30	45
Tempered Flow GPM	9	13	17	25	27
Tempered Flow LPM	34	49	64	94	102

BYPASS CAPACITIES - MODEL 911E

Pressure Drop PSI	5	10	20	30	45
Cold Bypass GPM	7	10	14	21	22
Cold Bypass LPM	26	37	53	79	83

Note: The mixing valve must be installed with inlet check valves and the shower or the Eyewash/Facewash fixture should be installed 4 to 10 feet from the mixing valve. Hot and cold water inlet pressures must be equal.

Provisions shall be made to thermally isolate the valve.

Design and specification subject to change without notice.

Installation

After installing the mixing valve, be sure to flush the system thoroughly. Lawler recommends isolation and check valves for proper maintenance.

Typical Installation Figure 1

When installed at or near the water heater and without a recirculation system:

Install the valve as shown in Figure 1 with the mixing valve positioned below the hot water tank or heater. If this is not possible, pipe in heat trap as shown.

Typical Installation Figure 2

When installed away from the water heater with a recirculating pump on the hot water supply line:

Note: If the valve is installed 20 feet or more from the water heater, it is important to recirculate the hot water supply to the mixing valve.

Install the mixing valve as shown in Figure 2. The non-circulated loop should be limited to 10 feet and must be flushed periodically.

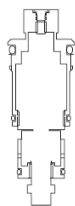
Warning: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

(Installer: California law requires that this warning be given to the consumer.)

For more information: www.oehha.org/prop65

Caution: The cold water line must be installed so that it is not affected by excessively hot ambient temperatures. Provisions shall be made to thermally isolate the valve. Cold water pipe installed in the ceilings of boiler rooms or rooms that increase ambient temperature require a recirculating pump.

Note: The mixing valve must be installed with inlet check valves and the shower or the Eyewash/Facewash fixture should be installed 4 to 10 feet from the mixing valve.



Cartridge Kit
Part Number 8334-50



Thermometer
Part Number 6679-02

Figure 1
Typical installation. Valve must be installed with check valves.

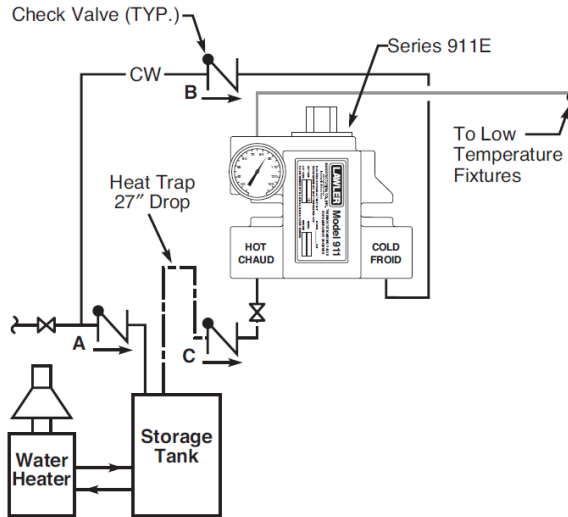
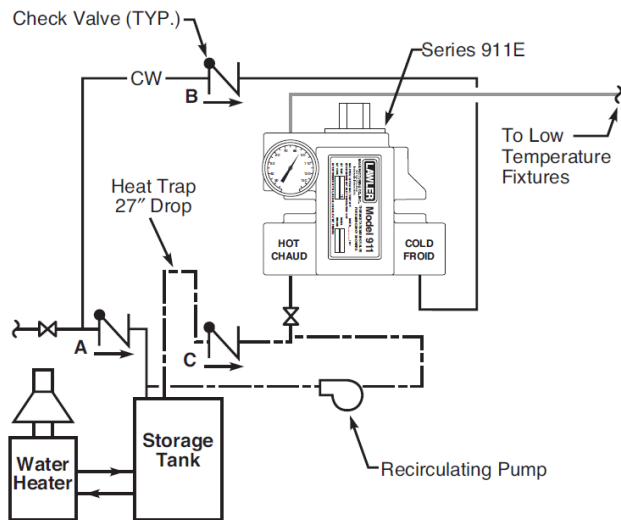


Figure 2
Typical recirculating installation. Valve must be installed with check valves.



GUARANTEE

We guarantee the Lawler Mixing Valve to be free from defects in workmanship and material, and, for a period of one year from date of purchase, will replace any parts found by Lawler Manufacturing Co., Inc. to be defective. We will not be held

responsible, however, for any labor incidental to, or for any damages caused by, defective material. Each mixing valve is thoroughly inspected and tested under actual conditions at our factory.