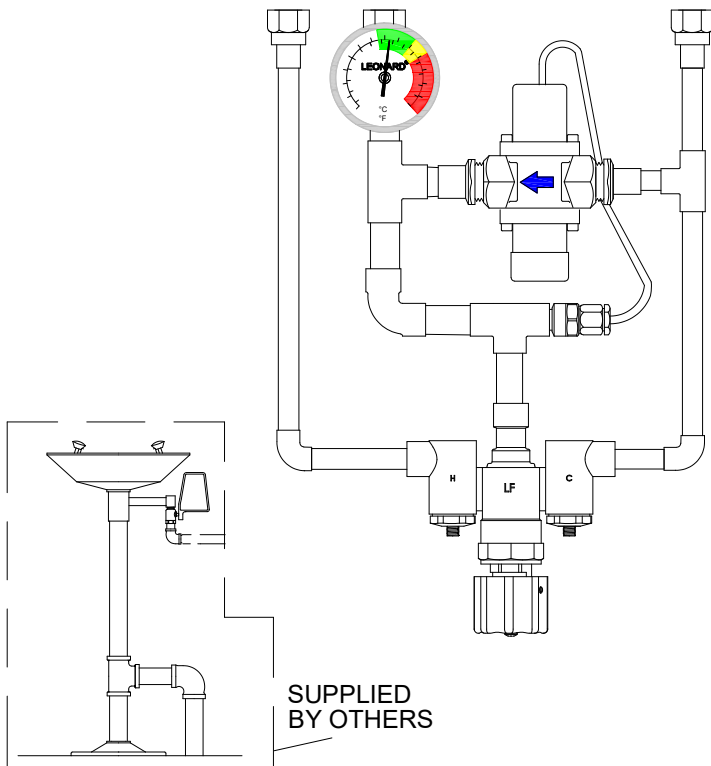


EMERGENCY MIXING VALVE

Emergency Mixing Valve for Eye or Eye/Face Wash Units EXL-350-LF



PRIMARY EMERGENCY WATER MIXING VALVE

- High Performance Emergency Mixing Valve designed for eye or eye / face wash applications
- Primary Mixing Valve can be set to the correct temperature for the application
- Mixing valve will close down on failure of cold water supply
- Mixing valve with special internal cold water bypass capable of a minimum of 7 GPM (26.5 l/min) @ 30 PSI (2.1 Bar) upon failure of hot water supply
- Adjustable high temperature limit stop * set for 90°F (32°C)
- Locking temperature regulator to prevent accidental movement
- Integral Checkstops on inlets
- Threaded 1/2" top inlets, threaded 3/4" top outlet
- Rough bronze finish
- Dial thermometer (range 0 to 140°F, -18 to 60°C)
- Compliance.....ANSI Z358.1
- Maximum supply temperature 180 °F (82°C)
- Maximum supply pressure 125 PSI (8.6 Bar)

REDUNDANT THERMOSTATIC CONTROL VALVE

- Stainless steel bellows thermostat is factory locked @ 90°F, 32°C (adjustable from (40°F to 100°F, 4°C to 32°C) to allow cold water to enter the outlet side of the Primary mixing valve
- Remains fully closed until outlet temperature reaches 90°F
- Will keep maximum temperature at or below 90°F should primary valve allow water in excess of 90°F (32°C)

OPTIONS:

___ IT- Inlet thermometers (shipped loose)

CABINET OPTIONS, SEE PAGE 3

Primary Mixing Valve is certified to meet Low-Lead requirements of wetted surface area containing less than 0.25% lead by weight. All other fittings and components, the sum total of which comprise the wetted surface of this product, contain less than one quarter of one percent of lead by weight.



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.Ca.gov

Engineer's Approval	Job # _____
	Arch/Eng. _____
	Contractor _____

CAUTION! All thermostatic water mixing valves have limitations. They will NOT provide the desired accuracy outside of their flow capacity range. Consult the Flow Capacity Chart and DO NOT OVERSIZE. Minimum flow must be no less than as indicated.

***NOTE:** A limit stop, set for 90°F (32°C), is simply a mechanical setting to prevent excessive handle rotation. If incoming water is hotter than 135°F (57°C), the temperature of the factory test, the valve when turned to full HOT may deliver water in excess of 90°F and the limit stop MUST BE RESET BY THE INSTALLER

**Primary Mixing Valve EXL-300-LF
ASSE 1071 Certified**



**Primary Mixing Valve
EXL-300-LF CSA Certified**



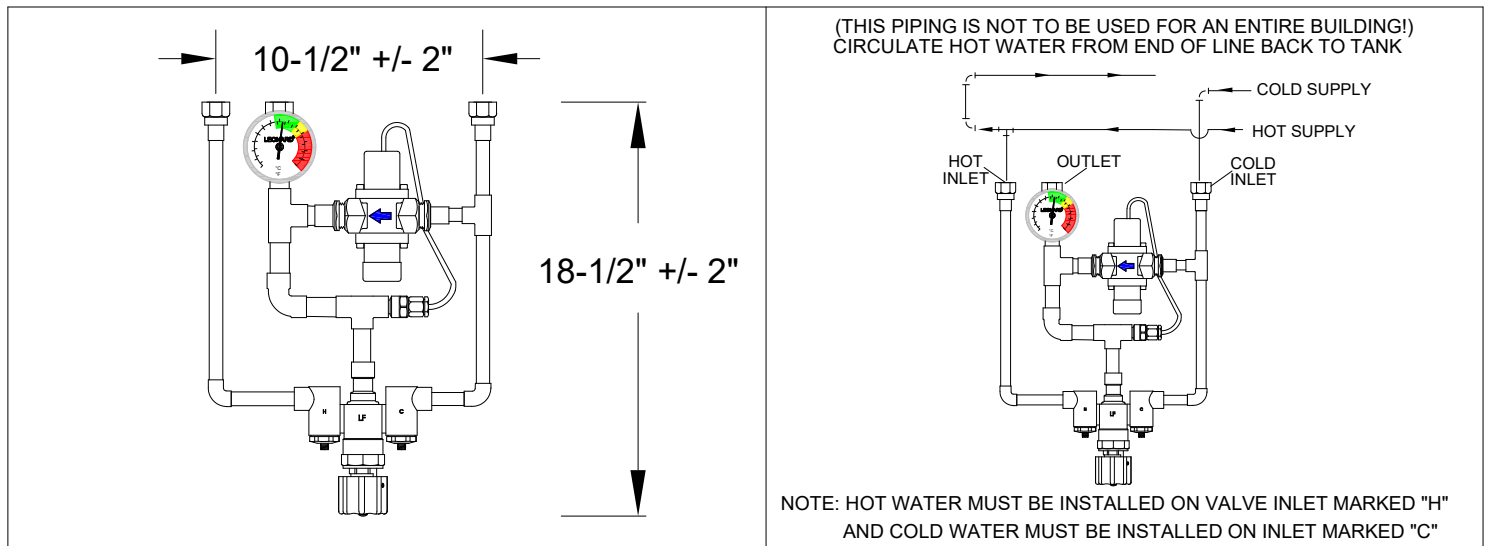
1360 Elmwood Avenue, Cranston, RI 02910 USA

Phone: 401.461.1200 Fax: 401.941.5310

Email: info@leonardvalve.com

Web Site: <http://www.leonardvalve.com>

EMERGENCY WATER MIXING VALVE FOR EYE/FACE WASH



CAUTION! It may be necessary to recirculate the tempered water to the eye/face wash should the piping be exposed to excessive hot or cold conditions. Consult factory for proper piping.

FLOW CAPACITIES

MODEL	IN	OUT	MINIMUM FLOW (GPM) L/MIN	INTERNAL COLD WATER BY-PASS AT 30 PSI DROP	PRESSURE DROP									
					5	10	15	20	25	30	35	40	45	PSI
EXL-350-LF	1/2"	1/2"	2	7	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	GPM
			7.5	26.5	13.3	26.5	32.2	37.9	41.6	45.4	47.3	49.2	51.1	L/MIN
MAXIMUM FLOW CAPACITY														

The Emergency eye / eye/face wash Mixing Valve shall control and maintain the temperature of the water to the station . Unit shall be self contained and include a thermostatic water mixing valve, a dial thermometer on the outlet, angle checkstops, piping and fittings factory assembled and tested, top outlet, unit set for 85°F (29°C) and a maximum temperature of 90°F (32°C). The redundant valve remains fully closed until outlet temperature reaches 90°F (32°C), and will keep the maximum temperature at 90°F should the primary valve allow water in excess of this temperature. Unit must be able to be set to the correct temperature for the specific contaminant but must be locked in place to prevent changing of the temperature by accident. Unit must be checked weekly for performance in conjunction with the requirements of ANSI Z358.1. Unit shall be able to flow a minimum flow of 12 GPM (45 l/min) at 30 PSI (2.1 Bar).

WARNING! IT IS THE RESPONSIBILITY OF THE SPECIFIER TO DETERMINE THE DELIVERED WATER TEMPERATURE TO EACH SAFETY FIXTURE. A COMFORTABLE RANGE IS 60°F TO 90°F (15° TO 32°C). IN CIRCUMSTANCES WHERE A CHEMICAL REACTION IS ACCELERATED BY WATER TEMPERATURE, A MEDICAL ADVISOR SHOULD BE CONSULTED FOR THE OPTIMUM TEMPERATURE FOR EACH APPLICATION.

Specifications are subject to change without notice!

CAUTION! All thermostatic water mixing valves have limitations. They will NOT provide the desired accuracy outside of their flow capacity range. Consult the Flow Capacity Chart and DO NOT OVERSIZE. Minimum flow must be no less than indicated.



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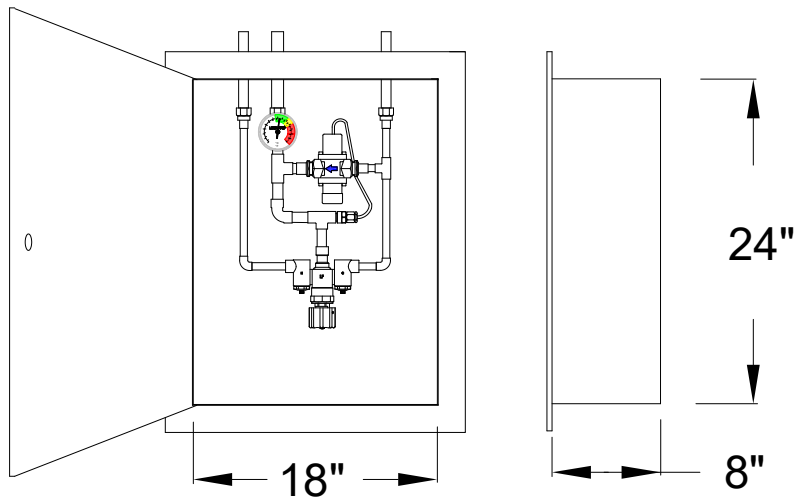
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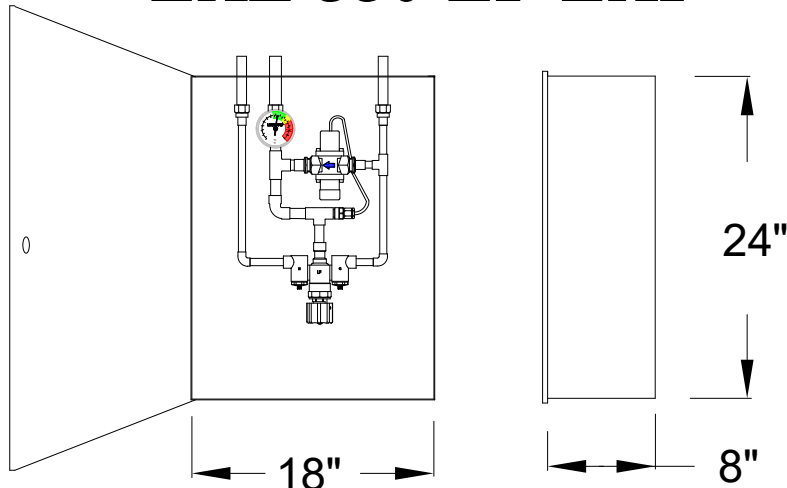
CABINET OPTIONS

- _____ SUFFIX BWE REC- Steel, baked white enamel recessed
- _____ SUFFIX STSTL REC- Stainless Steel recessed cabinet
- _____ SUFFIX BWE EXP- Steel, baked white enamel exposed
- _____ SUFFIX STSTL EXP- Stainless Steel exposed cabinet
- _____ SUFFIX VIEW- Viewport in door to view thermometer
- _____ SUFFIX SEMI- Semi-recessed frame, roughly 4" deep
- _____ SUFFIX IT- Inlet thermometers

EXL-350-LF-REC



EXL-350-LF-EXP



Note: Leonard Valve Company reserves the right of product, or design modifications without notice or obligation.

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