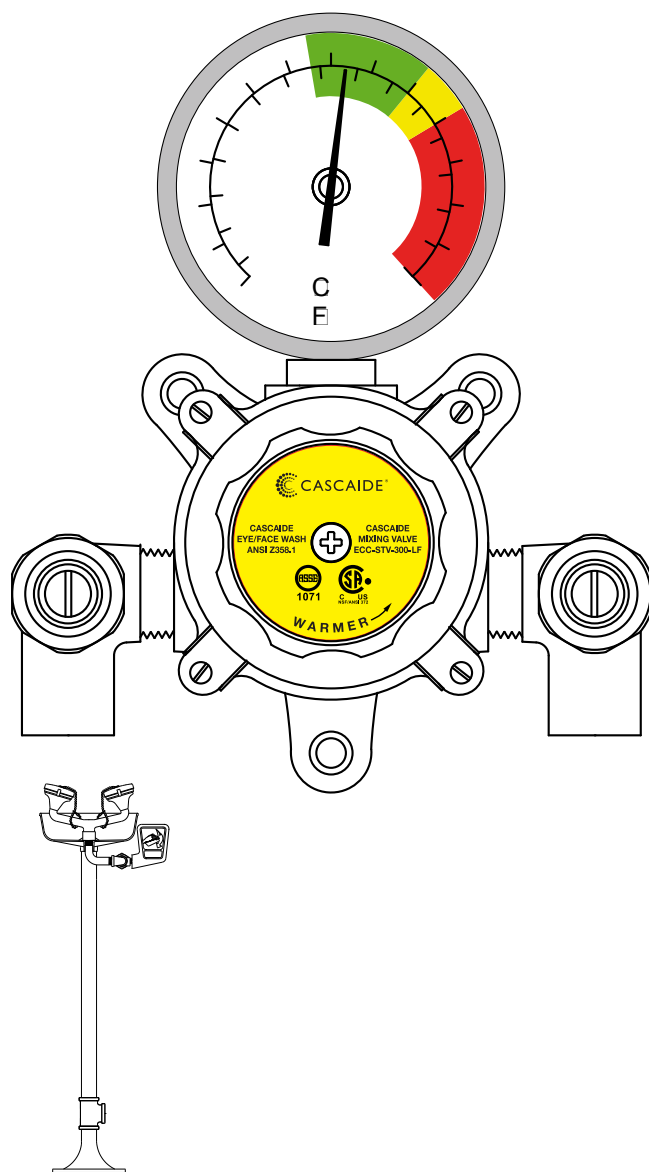


# Emergency Water Mixing Valve for Eye/Facewash



This product is certified to meet Low Lead requirements of wetted surface area containing less than 0.25% 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](http://www.P65Warnings.Ca.gov)

**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.

## Exposed Assembly for Eye/Face Wash Units

2 - 9 GPM (7.6 - 34 l/min) flow rate  
up to 45 PSI (3.1 bar) system pressure drop

### ECC-STV-300-LF

- Solid bimetal thermostat directly linked to valve porting to control the intake of hot and cold water and compensate for supply temperature and pressure fluctuations. This is highly responsive and cannot be damaged by extremes in temperature.
- Thermostatic Mixing Valve can be set to the correct temperature for the application.
- Locking temperature regulator to prevent accidental movement set for 85°F (29°C)
- Mixing valve will close down on failure of cold water supply
- Mixing valve with special internal cold water bypass capable of a minimum of 4 GPM (15 l/min) @ 30 PSI (2.1 Bar) upon failure of hot water supply
- Adjustable high temperature limit stop \* set for 90°F (32°C)
- Integral wall support
- Sweat □ top or bottom inlets
- Threaded ½" top outlet
- Rough bronze finish
- Dial thermometer (range 0 to 140°F, -10 to 60°C)
- Angle checkstops on inlets
- A method to assist in achieving compliance to ANSI Z358.1
- Maximum supply temperature 180 °F (82°C)
- Maximum supply pressure 125 PSI (8.6 Bar)

ASSE 1071 Certified

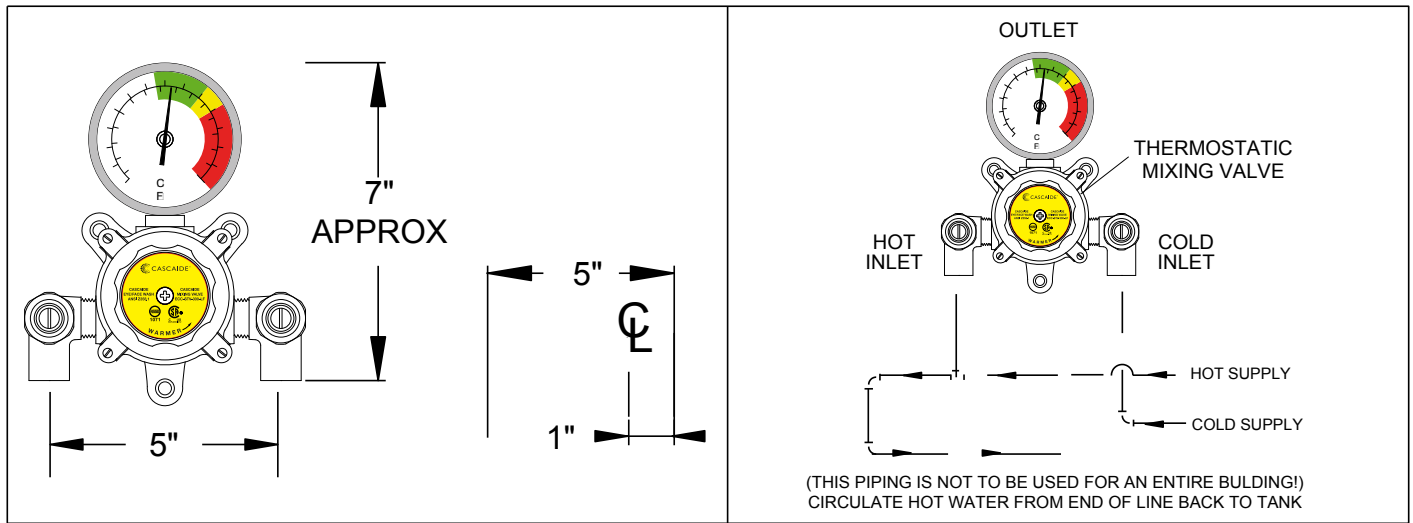


CSA Certified



**\*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

# Emergency Water Mixing Valve for Eye/Facewash



**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)	INTERNAL COLD WATER BY-PASS MINIMUM	PRESSURE DROP									
					5	10	15	20	25	30	35	40	45	PSI
			L/MIN		0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	BAR
ECC-STV-300	1/2"	1/2"	2.0	4	2.0	2.7	3.5	4.5	5.5	6.5	7.5	8.5	9.0	GPM
			7.6	15	7.6	10	13	17	21	25	28	32	34	L/MIN
MAXIMUM FLOW CAPACITY														

The Emergency 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, wall mounting bracket, piping and fittings factory assembled and tested, top or bottom inlets and top outlet, unit set for 85°F (29°C) and a maximum temperature of 90°F (32°C). 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. Eye/facewash 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 4 GPM (15 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!

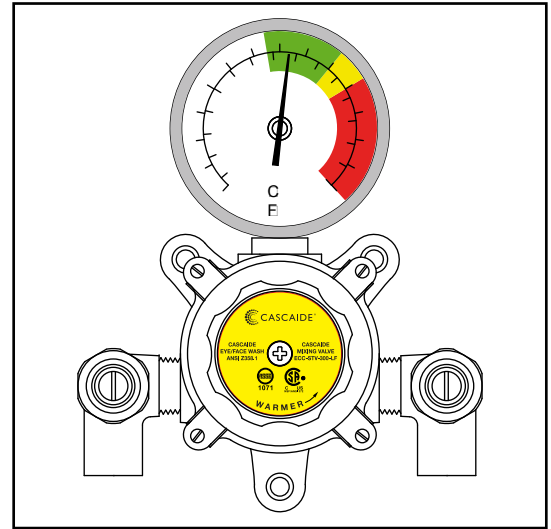
**CAUTION!** All thermostatic water mixing valves have limitations. They will NOT provide the desired accuracy outside of their flow capacity range. Consult the Flow Capacity Chart and DO NOT OVERSIZE. Minimum flow must be no less than indicated.

# Emergency Water Mixing Valve for Eye/Facewash

## ECC-STV-300

Bronze solid bi-metal thermostat compensating for temperature and pressure variations. 1.9-38 l/min (0.5 - 10 usgpm) flow for a pressure loss up to 45 psi. May be adjusted to the desired temperature. Locking temperature regulator to prevent accidental movement set for 29 °C (85 °F), Mixing valve will close down on failure of cold water supply. Mixing valve with special internal cold water by-pass capable of a minimum 15 l/min (4 usgpm) at 30 psi (2.1 bar) upon failure of hot water. High temperature limit stop factory preset at 32 °C (90 °F). Integral wall support. DN 1/2 in inlets with angle checkstops, DN 1/2 in outlet. Rough bronze finish. Dial thermometer. Required hot water supply at 60 °C (140 °F) min. Complies to ANSI Z358.1 2020.

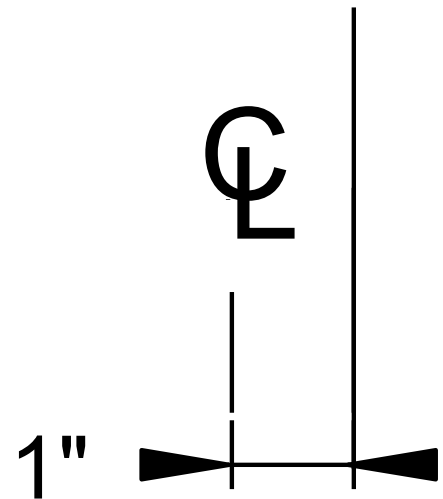
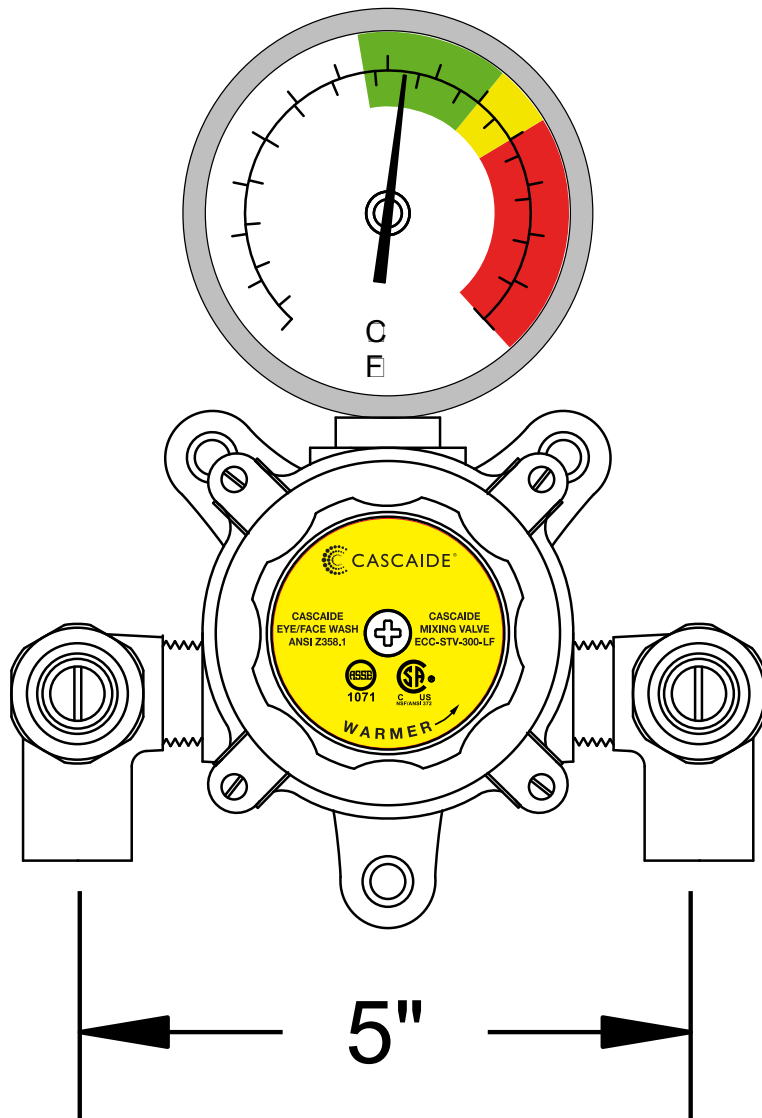
Note: Pressure regulators will be required if pressure differential between hot and cold water is greater than 5%.



MODEL	IN	OUT	MINIMUM FLOW (GPM)	INTERNAL COLD WATER BY-PASS MINIMUM	SYSTEM PRESSURE DROP										
					5	10	15	20	25	30	35	40	45	PSI	
			L/MIN		0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	BAR	
ECC-STV-300	1/2"	1/2"	2.0	4	2.0	2.7	3.5	4.5	5.5	6.5	7.5	8.5	9.0	GPM	
			7.6	15	7.6	10	13	17	21	25	28	32	34	L/MIN	
MAXIMUM FLOW CAPACITY															



# Emergency Water Mixing Valve for Eye/Facewash



MODEL	IN	OUT	MINIMUM FLOW (GPM)  L/MIN	INTERNAL COLD WATER BY-PASS MINIMUM	SYSTEM PRESSURE DROP									PSI  BAR  GPM  L/MIN
					5	10	15	20	25	30	35	40	45	
					0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.8	3.1	
ECC-STV-300	1/2"	1/2"	2.0	4	2.0	2.7	3.5	4.5	5.5	6.5	7.5	8.5	9.0	GPM
			7.6	15	7.6	10	13	17	21	25	28	32	34	L/MIN

MAXIMUM FLOW CAPACITY