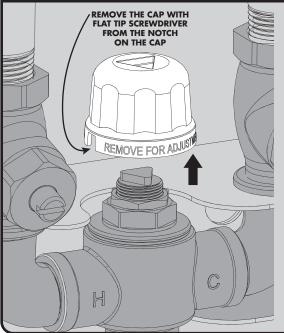


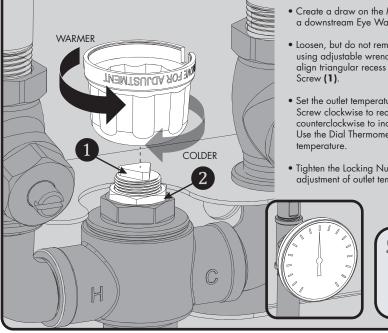
SETTING THE MIXING VALVE



This Mixing Valve has been set at the factory to deliver 85°F outlet flow. High temperature limit is set to 94°F by design. Should the Valve require adjustment, or an application require a different set temperature, proceed as follows:

Adjust Temperature with Water Running

- Check the temperature when approximately 3-5 GPM water flow is reached (equivalent to one eye wash).
- Contact proper medical and safety authorities to determine the correct water temperature for the specific application (i.e., chemicals).
- Remove the Plastic Cap (White) from the Valve using a flat tip screwdriver.



• Create a draw on the Mixing Valve by opening a downstream Eye Wash Fixture

- Loosen, but do not remove the Locking Nut (2) using adjustable wrench. Invert Plastic Cap and align triangular recess in cap to the Adjuster
- Set the outlet temperature by turning the Adjuster Screw clockwise to reduce temperature, counterclockwise to increase temperature. Use the Dial Thermometer to check the outlet
- Tighten the Locking Nut to avoid inadvertent adjustment of outlet temperature

TESTING THE MIXING VALVE

After installation, test the Mixing Valve and the Emergency Fixtures it serves for proper operation by following the steps below. Testing shall be performed weekly and logged to comply with applicable codes and standards.

Valve temperature test procedure is as follows:

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1. Activate Eye Wash Fixture to observe and record the temperature of the Dial Thermometer. If the temperature of the Thermometer is not correct, readjust the Mixing Valve according to the section "Setting the Mixing Valve".

2. Observe the flow from the Emergency Fixture to ensure an adequate flow of water.

Cold Water Bypass and Hot Water Shut Down test procedure. 1. Test Valve temperature as described in Step 1 and Step 2 above.

2. Shut off the hot water supply to the Mixing Valve. Observe the outlet flow from the Emergency Fixtures to ensure an adequate flow of cold water. A slight drop in flow may occur after shutting down the hot water supply to the Mixing Valve; however, the drop should be minimal and for a short duration.

3. Open the hot water supply to the Mixing Valve. The Thermometer should return to the set temperature.

4. Shut off the cold water supply to the Mixing Valve. The flow of water should shut down rapidly.

5. Open the cold water supply. The Thermometer should return to the set temperature.

The Thermometer should be checked at least every six months.

STW-370 REPAIR PARTS

REPLACING THE THERMOSTATIC ELEMENT

The Thermostatic Element's replacement procedure is as follows:

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1. Shut off the hot water supply and cold water supply to the Mixing Valve.

2. Remove the Plastic Cap and disassemble the Valve Cap.

3. Remove Thermostatic Element in conjunction with the Shuttle from the Valve Body. No special tools are required.

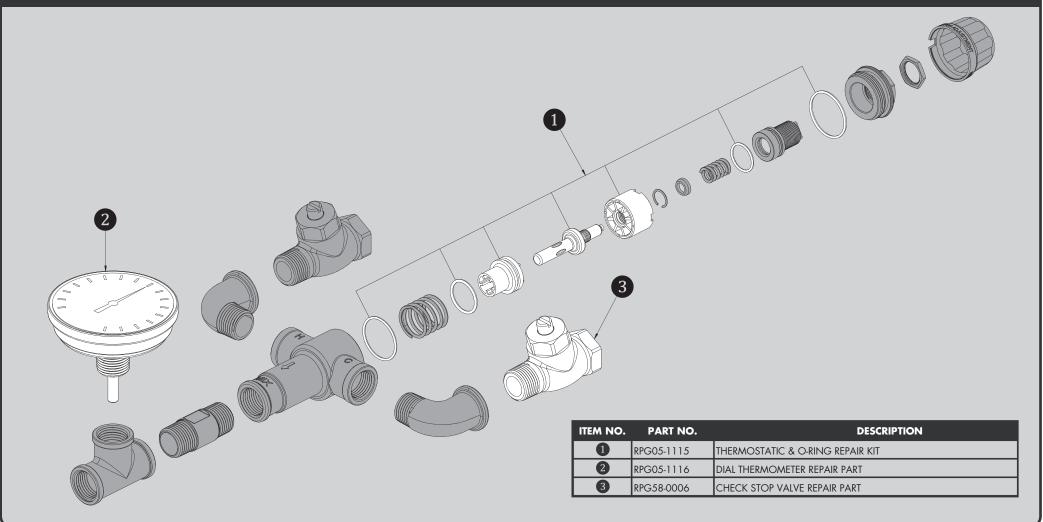
4. Inspect the Thermostatic Element. If it feels slippery to the touch, then the Element has lost its wax and requires replacement. Disengage the Thermostatic Element from the Shuttle to replace. If the Thermostatic Element feels normal to the touch, then it is in good condition and operable.

5. Verify that the stainless steel Piston moves freely up and down within the Element's body.

Note: Gallon per minute ratings may vary depending upon incoming water temperatures and pressures. Hot and cold water inlet pressures must be equal.

Provisions shall be made to thermally isolate the valve.

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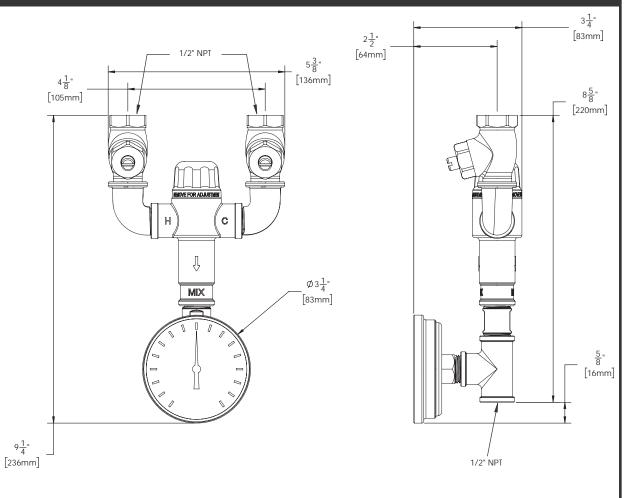


STW-370 ROUGH-IN DIAGRAM

NOTES:

COMPLIANCE:

- ASSE 1071 & cUPC Certified
- Inlets: ½" NPT Female
- Outlet: 1/2" NPT Female
- Maximum Working Pressure: 125 psi (861.9 kPa)
 Rated flow at 30 psi (206.9 kPa) differential
- pressure: 9.7 GPM (36.8 L/min)
- Rated cold water by-pass flow at 30 psi (206.9 kPa) differential pressure: 5.2 GPM



SPEAKMAN®

- (19.7 L/min)
- Minimum flow rate: 1.5 GPM (5.7 L/min)
- Maximum flow rate with cold water shut-off: 0.3 GPM (1.2 L/min)
- \bullet Hot Water Inlet Temperature Range: 120° 180° F
- \bullet Cold Water Inlet Temperature Range: 40° 70° F
- Outlet Water Temperature Range: 65° 95° F
- Minimum Temperature Differential (cold water supply to valve set point): 10° F

Contractor to supply necessary inlet connections.

FLOW CAPACITY OF STW-370

PRESSURE DROP,	psi (bar)	5 (0.4)	10 (0.7)	15 (1.0)	20 (1.4)	30 (2.1)	40 (2.8)	45 (3.1)
TEMPERED FLOW,	GPM (L/min)	3.6 (13.6)	5.8 (22.0)	7.2 (27.3)	8.2 (31.1)	9.7 (36.8)	11.3 (42.8)	12.2 (46.2)
COLD WATER BYPASS,	GPM (L/min)	1.8 (6.8)	2.8 (10.6)	3.6 (13.6)	4.2 (15.9)	5.2 (19.7)	6.0 (22.7)	6.4 (24.3)

DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE.