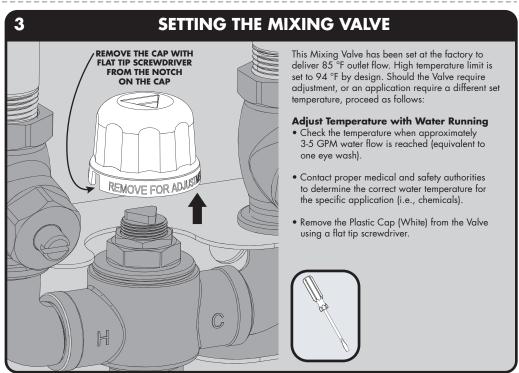
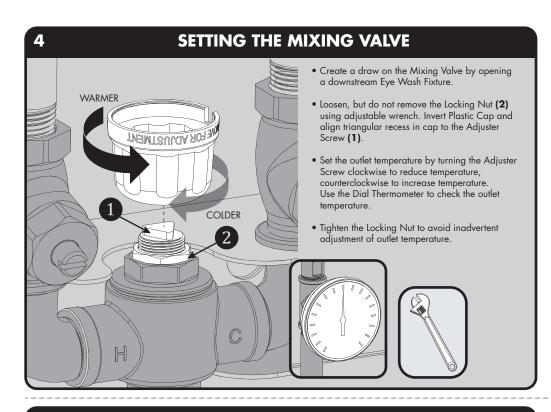


2: When maintaining and adjusting the Mixing Valve, the delivered flushing fluid temperature shall be in the tepid range as per ANSI/ISEA Z358.1 Standard. In circumstances where chemical reaction is accelerated by flushing fluid temperature, a medical advisor should be consulted for the optimum temperature for each application.





#### 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:

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.

#### Hot Water Shut-off Test and Cold Water Shut-off Test Procedures:

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.

### REPLACING THE THERMOSTATIC ELEMENT

### The Thermostatic Element's replacement procedure is as follows:

- 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.

# STW-370 RECOMMENDED STANDARD INSTALLATION SYSTEM Check Valve (Typ) COLD Heat Trap 28" Drop Hot Cold Check Valve Tempered (Typ) Check Valve (Typ) HOT Water Storage Heater

