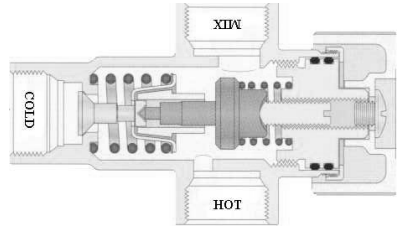


Adjustable thermostatic mixing valve

Thank you for having chosen our adjustable thermostatic mixing valve. This kit permits the mixing valve to be easily mounted onto all QL Water heaters.

The kit contains:

Thermostatic mixing valve with 1/2" feminine fittings
Flexible stainless steel tube 1/2"
Male-Female-length 400 mm (10")
1/2" brass "T" fitting
Double 1/2" brass nipple
1/2" rubber gasket



Function:

The mixing valve functions automatically. All you have to do is turn the knob in the desired direction in order to obtain a temperature between 30°C (86 °F) and 48 °C (118 °F), with a tolerance of ± 5 °C (± 40 °F). The reliability of the device is assured due to its simple design and no need of auxiliary energy. A thermostatic bulb senses the temperature of the mixed water and maintains it by changing the amount of hot or cold water mixed.

NOTE! In order to obtain a correct mix, the pressure of the hot and cold water must be the more or less the same.

Characteristics:

Temperature range:
30°–48 °C \pm 5°C (86°F–118°F \pm 40°F)
Flow rate Dp 1 bar (14,5 Psi) (kv):
1.300 l/h (347 US gals/h)
Max. temperature: 110°C (232°F)
Max. pressure: 10 bar (145 Psi)

Installation and adjustment:

⚠ IMPORTANT! You must assure the seals by using hemp, Teflon or Loctite 572.

1. Turn off the electrical connection to the water heater.
2. Close the cold water in-feed to the water heater.
3. Open the water heater's drain valve which is located on the safety non-return valve in order to relieve the pressure in the water heater (see point on the plumbing connection diagram in instructions manual of water heater).
4. Screw the fitting of the thermostatic mixing valve marked with the red dot onto the 1/2" male thread of the hot water outlet of the water heater (see point on the plumbing connection diagram in instructions manual of water heater).
5. Screw the flexible tube to the fitting of the thermostatic mixing valve marked with the blue dot.
6. Screw the 1/2" "T" fitting to the safety non return valve located on the water heater.
7. Screw the double 1/2" nipple onto the central boss of the 1/2" "T" fitting .
8. Connect the flexible stainless steel tube to the nipple in such a way that the tube does not impede the access to the electrical parts of the water heater. Use the rubber gasket to maintain the watertight seal.
9. Connect the fitting of the thermostatic mixing valve marked with "MIX" to the hot water outlet pipework.
10. Close the drain valve on the safety non return valve.
11. Open the cold water in-feed valve to the water heater.
12. Allow the water heater to heat the water.
13. Adjust the knob of the mixing valve in order to achieve the desired temperature.

Should you desire to exclude the function of the thermostatic mixing valve it is necessary to install a gate valve between 1/2" "T" fitting and the thermostatic mixing valve. When the gate valve is shut, thus not allowing the flow of cold water, the mixing valve does not mix the water.