



# THERMOSTATIC MIXING VALVE

## Art.4737

### Description

Chrome-plated female thermostatic adjustable mixing valve for domestic hot water

The thermostatic mixing valve is controlled by a reliable thermostatic wax cartridge designed specifically to maintain an accurate mixed water temperature at the outlet, balancing temperature changes and variations in flow rate caused by the user.

#### Anti-burn shut off function:

According to EN1111 regulations in case of cold water supply interruption, the valve shuts off within 5 seconds allowing less than 200 ml of water to flow.



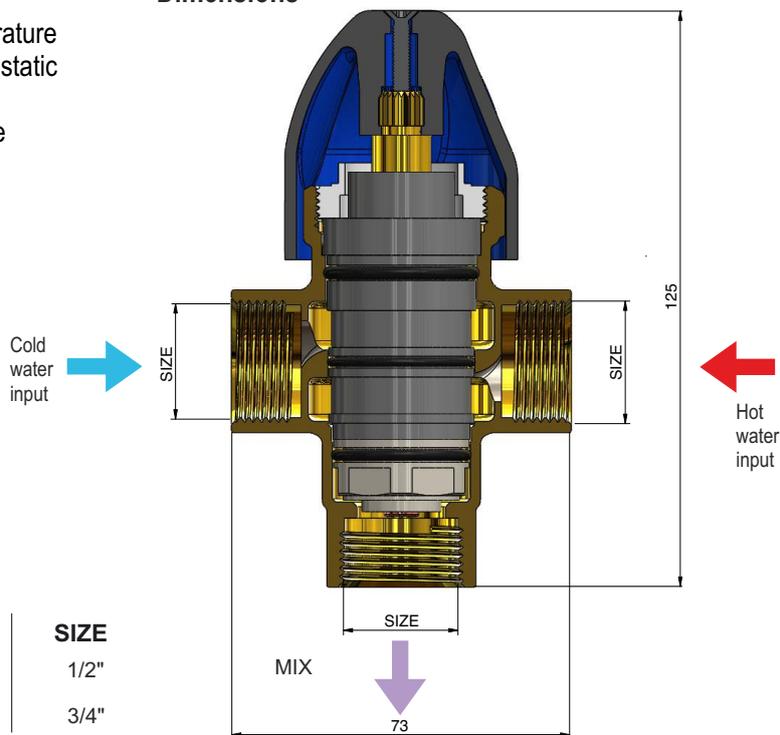
### Use

The 4737 thermostatic mixer is normally used to set and limit the temperature distribution from the boiler to the domestic outlets. With the 4737 thermostatic mixer you can control flow temperatures for individual users (showers, washbasins, bidets) and multiple outlets. To guarantee best performance the minimum flow rate must be 6 l/min.

### Technical Features

|                                |                        |
|--------------------------------|------------------------|
| Compliance with:               | UNI EN 1111            |
| Range of temperature (°C):     | 30-55°C                |
| Maximum operating pressure:    | 10 bar                 |
| Maximum operating temperature: | 90°C                   |
| Material:                      | Brass CW617N (EN12165) |
| Setting knob:                  | Nylon                  |
| Flow rate to 3 bar:            | 30 l/min               |

### Dimensions



| DESCRIPTION  | CODE     | SIZE |
|--|----------|------|
| Adjustable thermostatic mixing valve for sanitary hot water 1/2" | 320 0038 | 1/2" |
| Adjustable thermostatic mixing valve for sanitary hot water 3/4" | 320 0037 | 3/4" |

### Installation

Before installing the 4737 thermostatic mixer you need to carefully drain the system in order to remove all impurities from the pipe work.. It is recommended to install a filter of suitable size and gauge. In case of very hard or aggressive waters, it is recommended that an in-line water treatment unit be fitted before the mixer. The thermostatic mixer is easy to install and can be mounted in any position .

Hot water inlet is marked "H" (hot) with a red dot

Cold water inlet is marked "C" (cold) with a blue dot

Mixed water outlet is marked "MIX "

The valve body is made of brass and all components are suitable for waters destined to human consumption, in line with current legislation. It is recommended to fit non-return valves (3505) before inlet connections

**WATER TEMPERATURES HIGHER THAN 50°C CAN CAUSE SEVERE BURNS. DURING INSTALLATION AND MAINTENANCE OF THE THERMOSTATIC MIXING VALVE, TAKE THE NECESSARY PRECAUTIONS IN ORDER TO PREVENT ANY DANGER TO PEOPLE.**



## Maintenance

Servicing, testing and maintenance should be carried out regularly as a decrease in performance may indicate the valve or the system requires maintenance. If, during the service, the mixed water temperature has changed significantly, compared to previous services, we recommend checking the installation manual and carrying out the necessary maintenance.

It is recommended that the following components are checked regularly to ensure that the maximum levels of performance are achieved from the mixer.

At least every 12 months or more frequently if required:

- 1) Check and clean the filters fitted in the system
- 2) Check that the non-return valves at the inlets of the thermostatic mixing valve are fully operating without leaks or impurities.

## Diagrams

