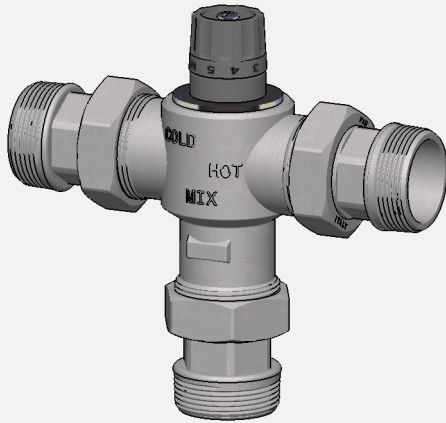


ART.3956



TERMOFAR - Chrome-plated thermostatic mixer.

- Setting range: 25÷65°C
- Connections: male, complete with unions and gaskets
- Max. input temperature: 95°C

1 DESCRIPTION

TERMO-FAR are designed to maintain a constant preset temperature for the mixed water sent to the terminal, despite variations in fluid temperature, pressure and flow conditions. This device avoids the insurgence of legionella and for the accidental use of very hot water, that might cause scalding, there is the anti-scald feature, which stops the hot flow in case of absence of cold water.

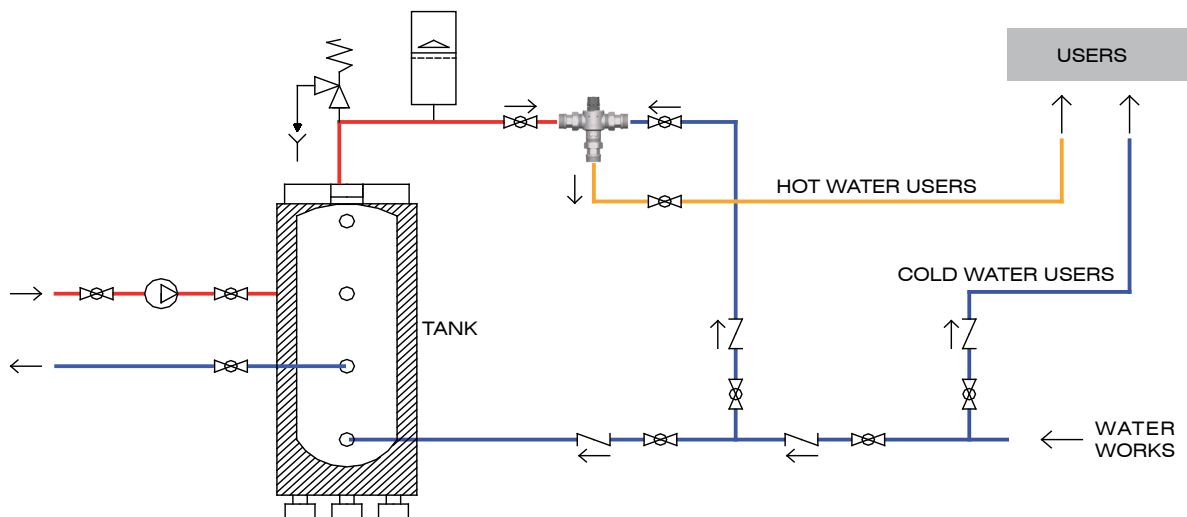
1.1 FUNCTIONING

The mixer is equipped with a thermo-sensitive element, which detects the temperature of the mixed fluid. The sensor is directly immersed into the mixed water, permitting maximum accuracy and speed of response. The sensor continuously monitors changes in water temperature and adjusts cold and hot water inlets to achieve the correct proportions of each and thus the set temperature.

N.B. In order to increase mixer accuracy it is essential to balance pressure between cold and hot water inlets.

2 INSTALLATION

- Before the installation carefully clean the pipes to remove any sand, metal shavings and rust flakes in order to guard against any blockage of the shutter.
- Installation of strainers is recommended to keep the system free of impurities, which could impair mix operation.
- In systems with thermostatic mixers it is necessary to install non-return valves to avoid undesirable back flow. Moreover, if the hydraulic network has a pressure higher than 5 bar, a pressure reducing valve must be installed.
- The mixer can be installed in any position.
- During installation it is important to match the connection as shown on mixer body: HOT for hot water supply; COLD for cold water supply and MIX for mixed water outlet.



2.1 CALIBRATION

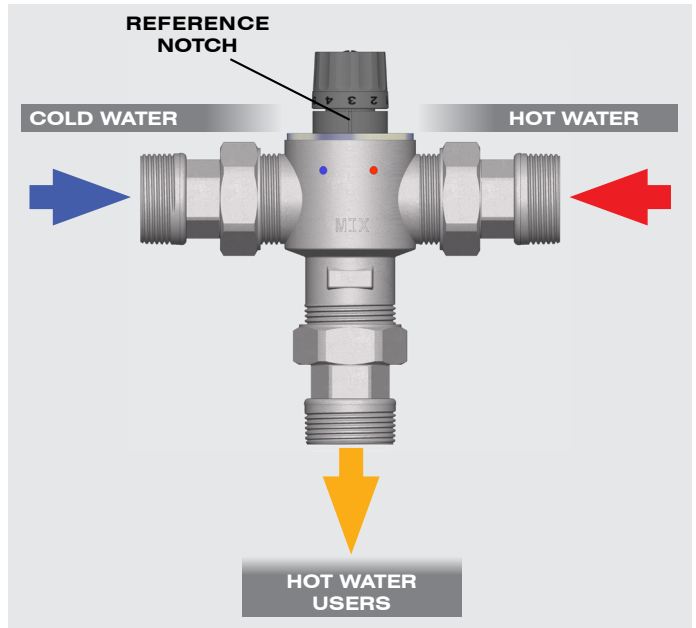
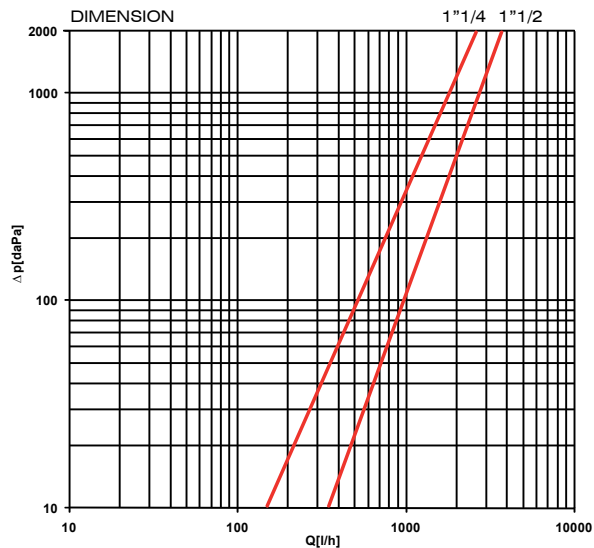
Valve calibration, i.e. setting the temperature of the water exiting the mixing valve, is carried out manually by turning the graduated handle. The graduations are shown as follows:

POSITION	MIN	1	2	3	4	5	MAX
TEMPERATURE °C	27	34	38	42	45	50	65

The valve is calibrated in our factory with hot water at 70°C at a pressure of 3 bar and with cold water at 15/20°C at a pressure of 3 bar.

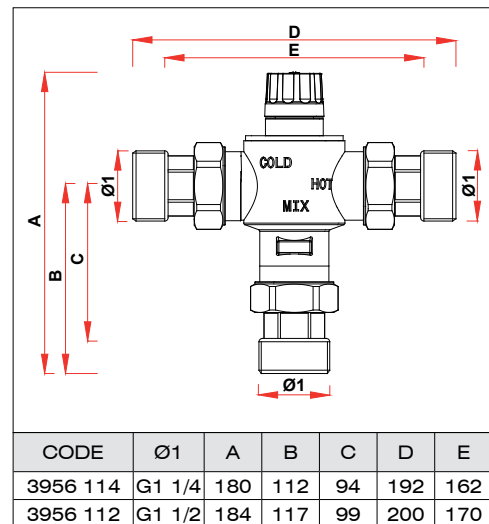
When adjusting the supply temperature of the mixed fluid please note that safety precautions to prevent scalding involve many factors such as water temperature, the user's age and exposure time. To prevent scalds, the recommended temperatures for water leaving the taps as follows:

USER	T MAX °C
BIDET	38
WASHBASIN	40
SHOWER	40
BATHTUB	44


3 FLUID DYNAMIC FEATURES


1" 1/4 = 6.2 m³/h

1" 1/2 = 7.6 m³/h

4 DIMENSIONAL FEATURES

5 TECHNICAL FEATURES

Max. Working pressure: 10 bar
 Recommended pressure: 1-5 bar
 Max. differential pressure: 3 bar
 Max. hot water temperature: 95°C
 Min. flow rate: 1" 1/4 = 15l/min; 1" 1/2 = 40l/min
 Mixer body: Brass CW617N