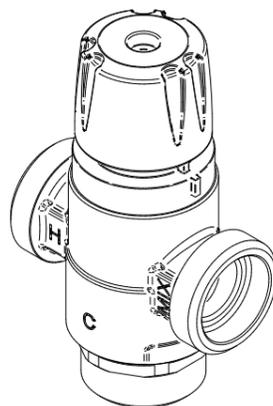


# TA-Mix



## THERMOSTATIC MIXING VALVES

### INSTALLATION, OPERATING AND MAINTENANCE

PLEASE LEAVE THESE INSTRUCTIONS WITH THE USER

#### INTRODUCTION

This installation guide has been produced for the thermostatic products. These instructions cover the installation, operation and maintenance of the TA-Mix series thermostatic mixing valves. Please read the enclosed instructions before commencing the installation of this product, please note:

*WE RECOMMEND THAT THE INSTALLATION OF ANY PRODUCT IS CARRIED OUT BY AN APPROVED INSTALLER*

The installation must be carried out strictly in accordance with the Water Supply Regulations and any local authority regulation.

#### INSTALLATION INSTRUCTIONS

Please check that all the components are in the box prior to the installation of this product. Before installing a TA-Mix mixer, the system must be inspected to ensure that it's operating conditions are within the range of the mixer, checking, for example, the supply temperature, supply pressures, etc.

System where the TA-Mix mixer is to be fitted must be flushed to remove any dirt or debris which may have accumulated during installation.

Failure to remove dirt or debris may affect performance and the manufacturer's product guarantee.

The installation of filters of appropriate capacity at the inlet of the water from the main supply is always advisable. In areas which are subject to highly aggressive water, arrangements must be made to treat the water before it enters the valve.

TA-Mix mixers must be installed in accordance with the diagrams in this manual, taking into account all current applicable standards and code of practice.

TA-Mix mixers can be installed in any position, either vertical or horizontal.

The following are shown on the mixer body:

- Hot water inlet: H
- Cold water inlet: C
- Mixed water outlet: MIX

It is essential that access to the valve is totally unobstructed for any maintenance which may be required to the valve or connections. The pipework from/to the valve must not be used to support the weight of the valve itself.

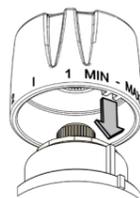
#### COMMISSIONING

After installation, the valve must be tested and commissioned in accordance with the instructions given below, taking into account current applicable standards and code of practice.

1. Ensure that the system is clean and free from any dirt or debris before commissioning the thermostatic mixer.
2. It is recommended that the temperature is set using a suitable calibrated digital thermometer. The valve must be commissioned by measuring the temperature of the mixed water emerging at the point of use.
3. The maximum discharge temperature from the valve must be set taking account of the fluctuations due to simultaneous use. It is essential for these conditions to be stabilized before commissioning.
4. Adjust the temperature using the adjusting handle on the valve.

#### PRESET LOCKING

	MIN	1	2	3	4	5	MAX
TA-Mix	33°C	35°C	45°C	50°C	56°C	60°C	62°C



#### MAINTENANCE

In service tests should be carried out regularly to monitor the mixer performance, as deterioration of performance could indicate that the valve and/or the system require maintenance. If, during these tests, the temperature of the mixed water has changed significantly in comparison with the previous test, the details given in installation and commissioning sections should be checked and maintenance carried out.

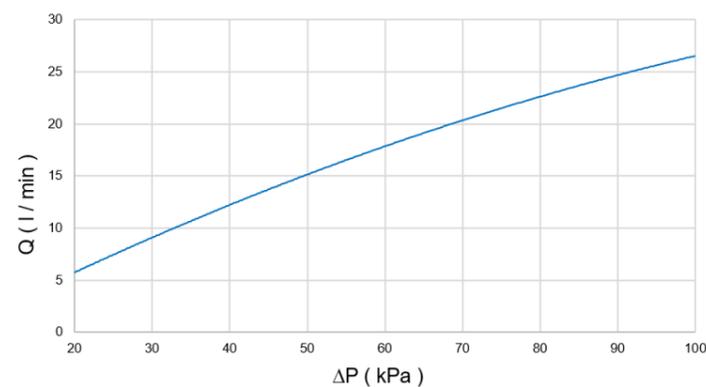
The following aspects should be checked regularly to ensure that the optimum performance levels of the valve are maintained. Every 12 months at the last, or more often if necessary.

1. Check and clean the system filters.
2. Check that non-return valves are operating correctly, without problems caused by impurities.
3. Limescale can be removed from internal components by immersion in a suitable de-scaling fluid.
4. When the components which can be maintained have been checked, commissioning should be carried out again.

#### TECHNICAL DATA

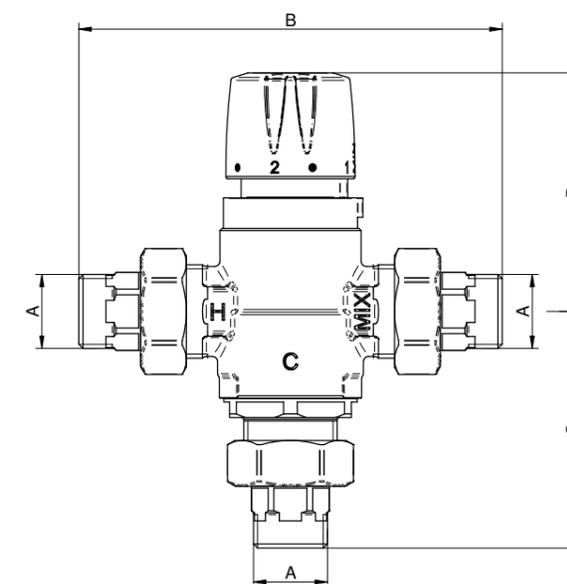
Temperature setting range :	35÷ 60°C
Temperature stability :	± 2 °C
Max working pressure :	
	(static ) 10 bar
	( dynamic ) 5 bar
Max inlet temperature :	90°C
Maximum inlet pressure ratio ( H/C or C/H ) :	2:1
Min. temperature differential to ensure fail safe between supply and mixed water :	10°C

#### HYDRAULIC CHARACTERISTICS



Recommended minimum flow rates to ensure correct operation  
6 l/min

#### DIMENSIONS



A	B	C	D (max)
DN 15 - G 1/2" M	120	67	69,6

ALL DIMENSIONS IN mm