THERMOSTATIC MIXER
FOR DOMESTIC SERVICES

ART.3950
1/2" - 3/4" - 1"

ART.3956
1/2" - 3/4" - 1" - *1"¼ - *1"½

* For technical information relating to these measures view the technical sheet: ST.01.33

ART.3957
3/4" - 1"

ART.3956VR
1/2" - 3/4" - 1"

NON-RETURN VALVE ON SIDE CONNECTIONS

TERMOFAR - thermostatic mixer for domestic services

- Setting range: 30÷65°C
- Max. input temperature: 95°C
- TEA®PLUS surface treatment on the inside and outside

1 DESCRIPTION

The TERMO-FAR mixer is designed to maintain a constant preset temperature for the mixed water sent to the domestic services.

This device avoid 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.

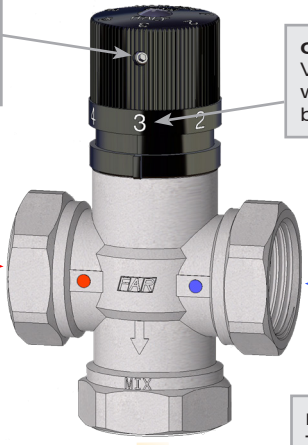
2 CONSTRUCTION AND OPERATIONS DETAILS

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.

SCREW FOR LOCKING
Once the handle is set at the desired temperature it is possible to lock it by pressing the screw

GRADUATED HANDLE
Valve calibration, i.e. setting the temperature of the water exiting the mixing valve, is carried out manually by turning the graduated handle



- HOT -
HOT WATER INLET

- COLD -
COLD WATER INLET

- MIX -
MIXED WATER OUTLET

RECOMMENDED TEMPERATURES
To prevent scalds, the recommended temperatures for water leaving the taps are as follows:

USERS	MAX. TEMPERATURE
BIDET	38°C
WASHBASIN	40°C
SHOWER	40°C
BATH	44°C

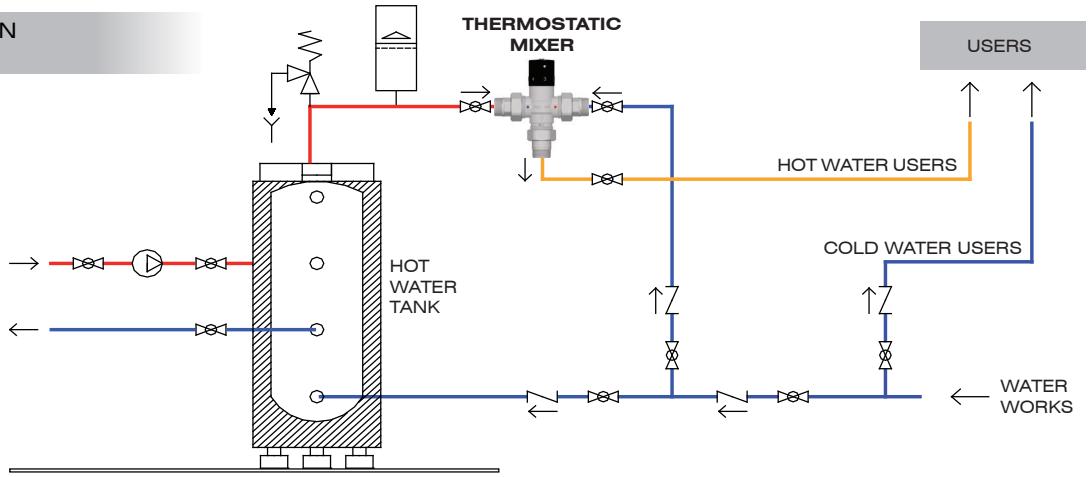
MIXER CALIBRATION
The mixer is calibrated in our factory with hot water at 65°C and with cold water at 15°C at a pressure of 3 bar.

POSITION	TEMPERATURE
MIN	30°C
1	35°C
2	40°C
3	45°C
4	55°C
5	60°C
MAX	65°C

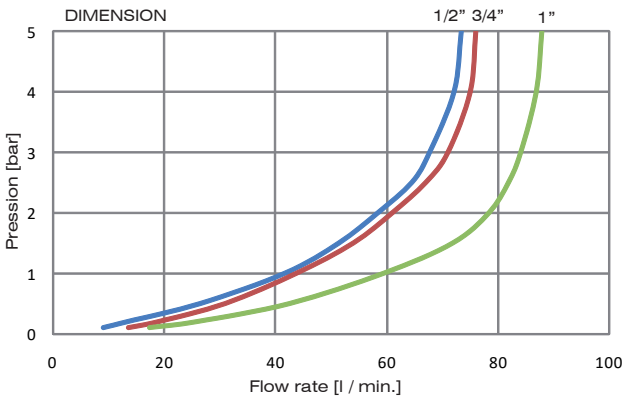
3 INSTALLATION

- 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

INSTALLATION EXAMPLE



4 FLUID DYNAMIC FEATURES

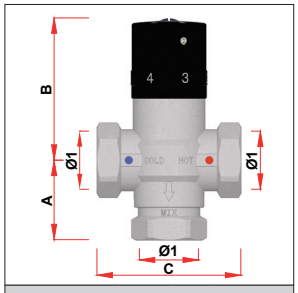


1/2"= 2.5 m³/h	3/4"= 2.9 m³/h	1"= 3 m³/h
1/2"VR= 1.6 m³/h	3/4"VR= 2.1 m³/h	1"VR= 2.3 m³/h

5 TECHNICAL FEATURES

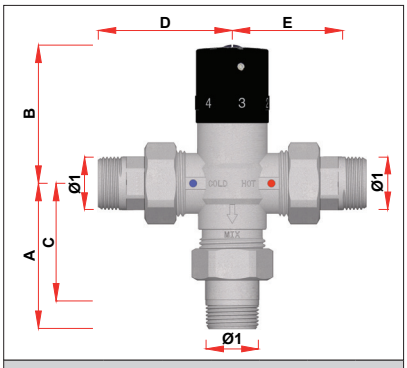
Max. working pressure:	10 bar
Recommended pressure:	1-5 bar
Max. differential pressure:	3 bar
Max. hot water temperature:	95°C
Mixer body:	Brass CW617N
Min. flow rate:	

6 DIMENSIONAL FEATURES



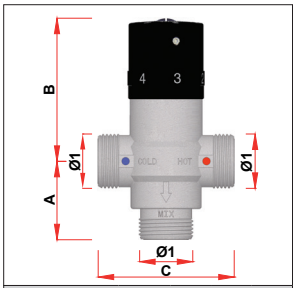
ART. 3950

CODE	Ø1	A	B	C
3950 12	1/2"	38	75	66
3950 34	3/4"	39	75	70
3950 1	1"	42	75	74



ART. 3956 - 3956VR

CODE	Ø1	A	B	C	D	E
3956 12	1/2"	69	75	56	64	51
3956 34	3/4"	72	75	60	68	56
3956 1	1"	78	75	62	74	58



ART. 3957

CODE	Ø1	A	B	C
3957 34	3/4"	38	75	66
3957 1	1"	39	75	70