



Function

Thanks to its thermostatic element, the thermostatic mixing valve allows to maintain a constant pre-set water temperature in case of pressure and temperature variation at the inlets.

Its use is of great importance in distribution systems for sanitary water, where it is vital to prevent high temperature water coming from the boiler from causing burns to the users.

The mixing valve is provided with a built-in anti-scald device which immediately stops the flow if cold water pressure drops.

Technical data

Max. static pressure:	10 bar
Max. dynamic pressure:	5 bar
Max. differential pressure between the interaxes:	0.5 bar
Max. inlet temperature:	85 °C
Adjustment range:	30 ÷ 65 °C
Adjustment tolerance:	± 2 °C
Working fluids:	water in compliance with UNI 8065:2019

Materials

Valve

Valve body:	CW 617 N – DW UNI-EN 12165:2016
Knob:	CW 614 N – DW UNI-EN 12164:2016
Gaskets:	Peroxide cured EPDM
Stem:	AISI 302 stainless steel
Sensing element:	Wax

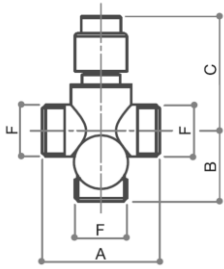
Surface treatment

None

Dimensional Drawings

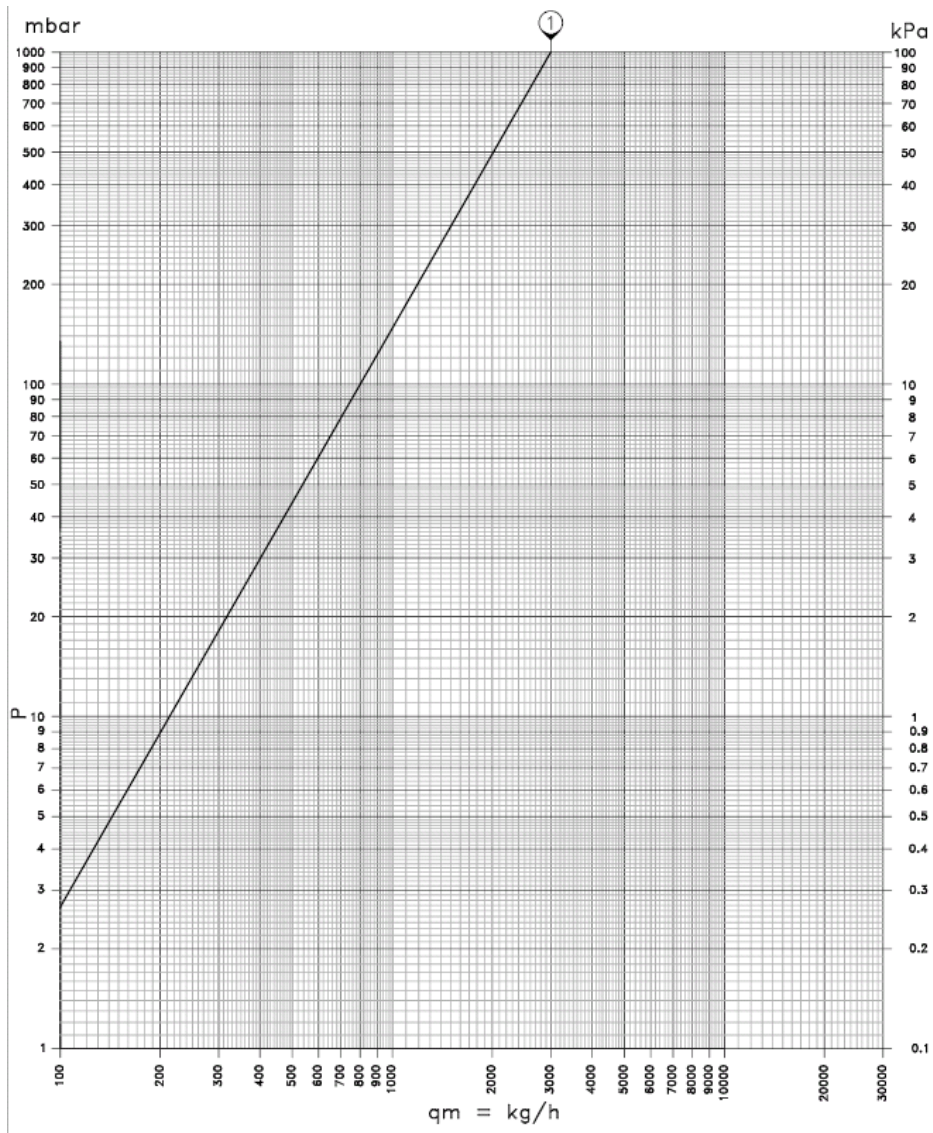
VM 660

Thermostatic mixing valve with mixing on the third way.
Integrated wax sensor.

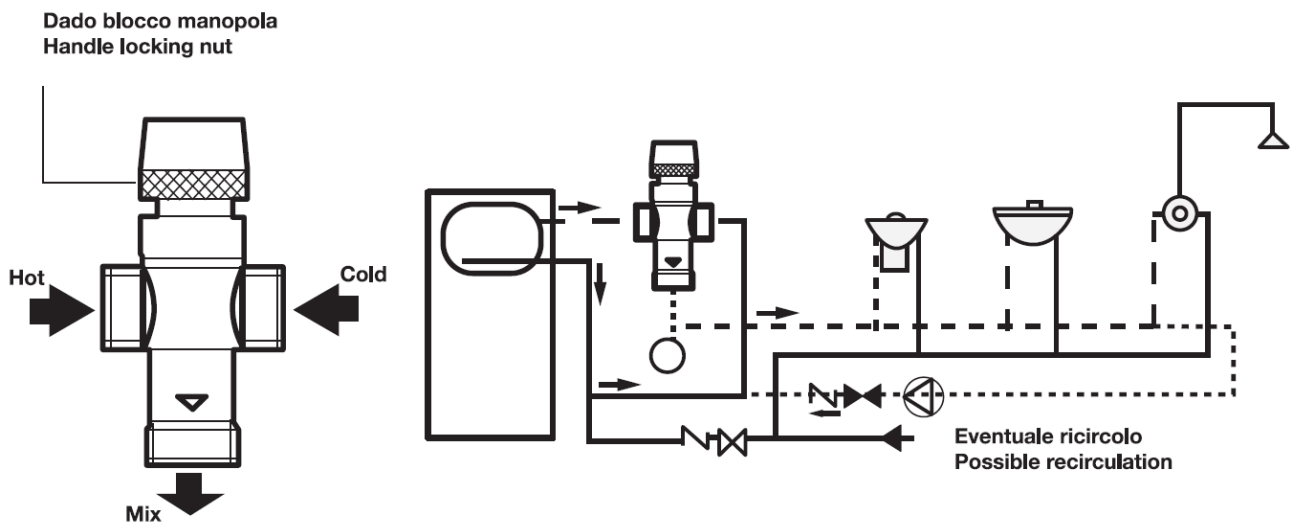


Code	Size	A	B	C	D	F
68753420	G1"	74	45	65	-	G1"

Flow Rate Diagram



Function



The thermostatic mixing valve can be installed either vertically or horizontally. Observe the connections shown on the body and in the picture:

- **Hot (H) red dot: Hot Water**
- **Cold (C) blue dot: Cold Water**
- **Mix: Mixed Water**

If the water pressure is higher than 5 bar, it is advisable to install a pressure reducer.

If the difference of temperature between hot and cold water is considerably different, it is advisable to install check valves on the inlets.

If there is dirt in the water supply, it is advisable to install filters art. RF 5008.

The valve can lock the set temperature simply by turning the nut towards the body. The screw is placed under the handle, in order to prevent tampering.

Item Specifications

VM 660

Thermostatic mixing valve with mixing on the third way. G 1" male connection in compliance with ISO 228/1. Body in raw CW617N brass. Pin in stainless steel. O-rings and gaskets in peroxide cured EPDM Working fluids: water and glycol solutions; max. percentage of glycol 30%. Max. inlet temperature 85 °C. Adjustment range 30÷65 °C. Adjustment tolerance ± 2 °C. Max. static pressure 10 bar. Max. dynamic pressure 5 bar. Max. differential pressure between the inlets 0.5 bar.



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