



The thermostatic mixing valve thanks to the thermostatic element can keep to a constant level the pre-set water value despite the pressure and temperature variation of the inlets,. Its use is of great importance in the hot water sanitary distribution systems, where it is necessary to avoid any possible burns given by the high temperature water coming from boilers. The mixing valve is supplied with a device to prevent burns, this device stops immediately the flow when the pressure of the cold temperature water drops.

TECHNICAL FEATURES:	Max static pressure:	10 bar
	Max dynamic pressure:	5 bar
	Max differential pressure between the inlets:	0.5 bar
	Max working temperature:	85 °C
	Adjustment range:	30 ÷ 65 °C
	Regulation tolerance:	± 2 °C

CONSTRUCTIVE FEATURES:	Body material:	CW 617 N UNI-EN 12165-98
	Handle material:	CW 614 N UNI-EN 12164-98
	Stem material:	Stainless steel AISI 302
	Gasket material:	EPDM peroxide
	Thermo-sensitive element:	Wax

GALVANIC TREATMENTS:	Yellow finishing
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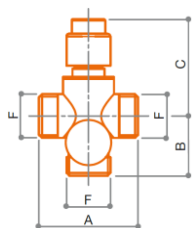
DIMENSIONAL DRAWING



Article: **VM 660**

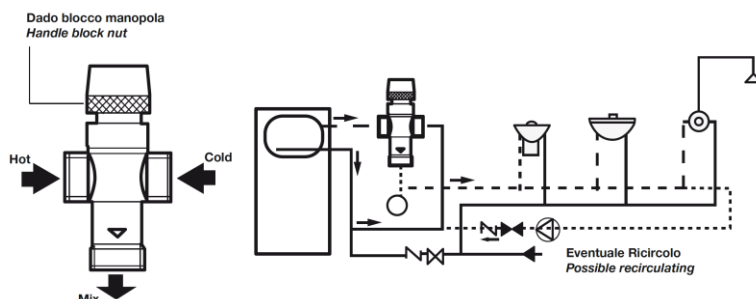
Description: **Thermostatic mixing valve with mixing on the third way. Build in wax element**

Connection: -



Code	Size	A	B	C	D	E	F	G	H	L
68753420	G1"	74	45	65	-	-	G1"	-	-	-

OPERATION



The thermostatic mixing valve can be installed either in vertical or horizontal position. Follow the connections printed on the body and in the picture.

- **Hot (H) red sticker: Hot water**
- **Cold (C) blue sticker: Cold water**
- **Mix: Mixed water**

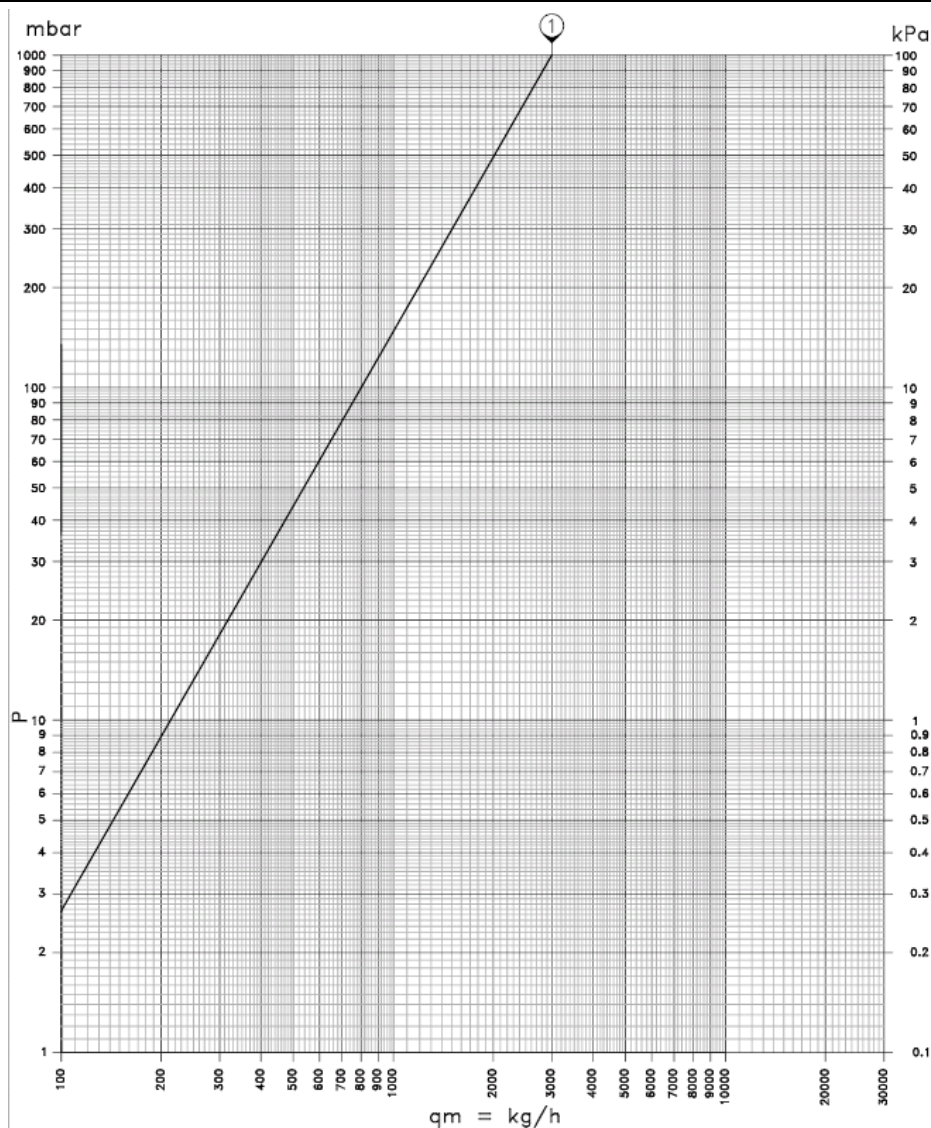
If the water pressure is higher than 5 bar it is advisable to install a pressure reducer.

If there is a considerable difference between the hot and cold water pressure it is advisable to install check valves on the inlets.

If the water has some dirt the installation of filters art. RF 5008 is recommended.

The valve can block the set temperature by screwing the nut under the handle, so to avoid accidental tampering.

FLOW DIAGRAM



TENDER SPECIFICATIONS

Article code: 68753420

Thermostatic mixing valve with mixing on the third way. Connection Male G 1" in compliance to ISO 228/1 specifications. Yellow brass body. Stainless steel stem. EPDM peroxide o-rings and gaskets. Liquid for use: water and glycol solutions; max glycol percentage 30%. Max working inlet temperature 85°C. Adjustment range 30-65°C. Regulation tolerance $\pm 2^\circ\text{C}$. Max static pressure 10 bar. Max dynamic pressure 5 bar. Max differential pressure between the outlets 0.5 bar.

VM 660