

Data Sheet

Thermostatic Mixing Valve TMV

Description

The TMV is a self-acting mixing valve, which provides mixed water at a constant temperature. It is used for instant supply of water at a required temperature in domestic hot water applications.

The quick reaction of the thermostatic elements ensures accurate temperature control.

Its robust and non-complex construction provides superior reliability, improved safety, energy efficiency and user comfort. If the cold supply fails, a total and fast flow shut-off results in greater safety for the end- user. Simplified design and construction, with fewer components, ensures superior reliability, longevity and safety.



Main Data

- Setting temperature in the range 35 ... 70 °C
- DN 32 - G 1 1/2 external thread connection
- Shuts off flow if the hot or cold supply fails
- Maintains the temperature by varying supply conditions.
- Integrated non-return valves

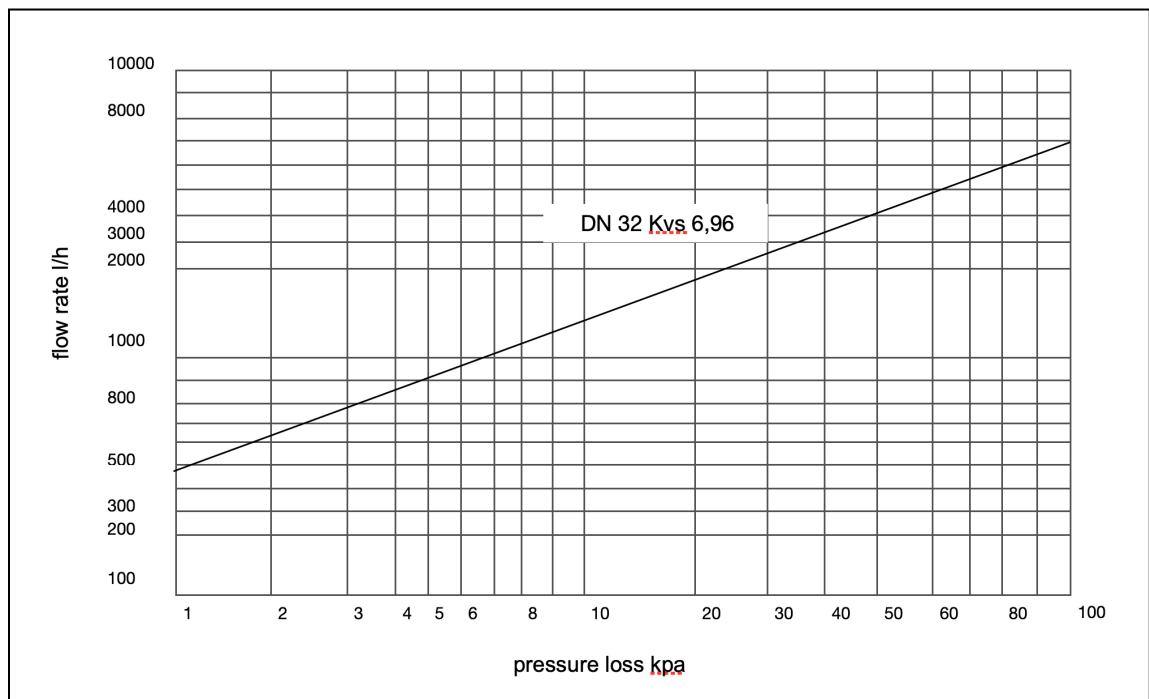
Type	DN	Connection	Temp. range (°C)	Flow (l/min)	Kvs (*)	Max.presuure (bar)	Max. temperature (°C)
1010	32	G 1 1/2	35...70	116	6,96	10	90

(*) without check valf

Technical Data

Factory temperature presetting	°C	50
Cold water supply temperature		10
Hot water supply temperature		70
Temperature stability (depend on pressure and temperature) *cold inlet water temperature should not be above 15 °C		± 3
Max. hot water temperature		90
Max. operating pressure	bar	10
Min. operating pressure		0,5
Max. inlet pressure diferential between cold and warm inlets		2
Supply pressure, (dynamic)		5

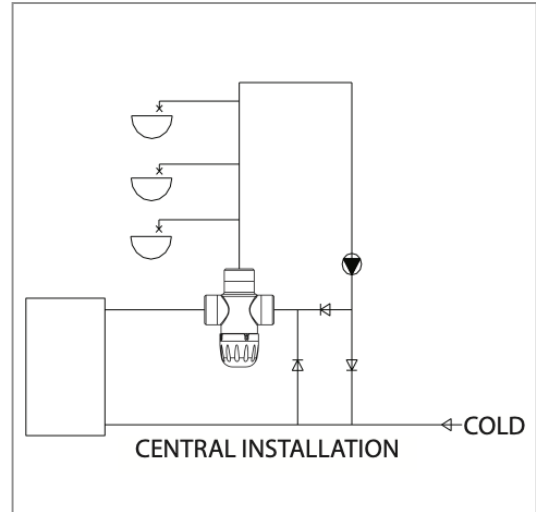
Pressure Diagram



Installation

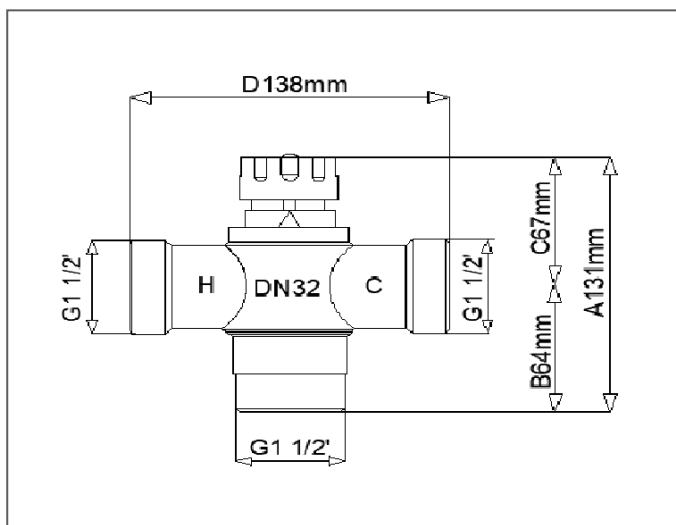
The valve can be installed in any position

In order to ensure the correct function of the failsafe and optimum performance it is recommended that the hot supply temperature is at least 10 °C higher than the set temperature.



Typical installation of TMV boiler application

Dimensions



DN	A (mm)	B (mm)	C (mm)	D (mm)
32	131	64	67	138

necessary in specifications already agreed.All trademarks in this material are property of the respective companies. Olgassys and all Olgassys logotypes are trademarks of Olgassys Ltd.Sti.. All rights reserved.