GLOBAL
TAPWARE

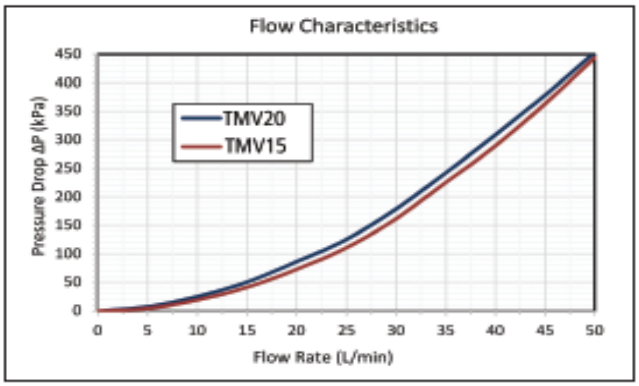
Thermostatic Mixing Valve TMV

NEW MODEL NOW INCLUDES THERMAL FLUSH



TMV15

Note: To ensure optimum performance the minimum outlet flow of the mixing valve during operation should be at least 4 litres/minute.



THERMOSTATIC MIXING VALVE, TMV

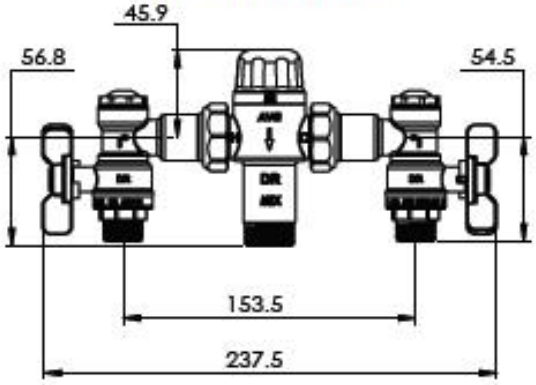
The Thermostatic Mixing Valve (TMV) is suitable for a wide range of applications.

The valve is designed to comply with Australian Standard AS4032.1 for Thermostatic Mixing Valves-Materials, Design and Performance Requirements and the NSW Health Department requirements.

FEATURES

- Meets the requirements of AS4032.1Thermostatic Mixing Valves
- Disinfection Function "Thermal Flush"
- Provides high stability of mixed water temperature even under changing inlet conditions
- Ensures rapid shut down of mixed outlet flow in the event of hot, or cold water supply isolation
- Easily serviced on site
- Suitable for installation into AS3500 compliant systems with hot water temperature as low as 60°C
- The adjustment mechanism can be locked to prevent tampering

TMV DIMENSION



NSW HEALTH DEPT APPROVED

AVG
Australian Valve Group

GLOBAL TAPWARE

Thermostatic Mixing Valve TMV

TMV15 AND TMV20 SPECIFICATIONS

MIXED OUTLET TEMPERATURE	
Temperature Adjustment Range	35° to 45° Celsius
INLET TEMPERATURES	
Cold Supply:	5°C - 25°C
Hot Supply:	60°C - 90°C
Hot to Mix Temperature Differential for Stable operation:	Minimum 10°C
Cold to Mix Temperature Differential for stable operation:	Minimum 5°C
FLOW RATES	
To ensure stable outlet conditions:	Minimum 4 /minute
DYNAMIC INLET PRESSURES	
Hot and Cold Inlet Pressures:	Minimum 20 kPa Maximum 500 kPa
STATIC INLET PRESSURE	
Hot and Cold Inlet Pressures:	Maximum 1000kPa
INLET PRESSURE RATIO	
Maximum inlet pressure ratio For stable operation (Hot: Cold or Cold: Hot)	10:1 (either supply)

NOTE: For optimum operation it is recommended that the hot and cold water supply pressures be balanced to within +/- 10%.
NOTE: Notwithstanding the above, compliance with AS3500 must be maintained.

DISINFECTION AND MANAGING LEGIONELLA

Another important feature of the AVG Thermostatic Mixing Valve is its inbuilt disinfection function for the management and control of legionella bacteria growth within warm water plumbing systems.

The Thermostatic Mixing Valve has a manually selectable 65°C set position to allow for a "Thermal Flush" disinfection of plumbing pipework, taps, bath and shower outlets and flexible hoses.

At this temperature the disinfection time is only 2 minutes and should only be carried out by trained personnel.

WHAT YOU NEED TO DO

Health and social care providers should carry out a full risk assessment of their warm water systems and ensure adequate measures are in place to control the risks.

A competent person should routinely check, inspect and clean the system, in accordance with the risk assessment.

EASE OF OPERATION

Simply open all the affected warm water outlets controlled by the Thermostatic Mixing Valve and allow the water to flow, then rotate the "Thermal Flush" adjustment spindle anti - clockwise to the maximum position to select the disinfection setting. This will raise the outlet temperature of the valve to 65°C.

When the furtherest outlet has reached temperature and the temperature is maintained for at least 2 minutes, then rotate the "Thermal Flush" adjustment spindle back to the original position. The valve should now be back to its pre-set position and should be confirmed with a thermometer at the closest outlet. This should only be carried out by trained personnel.

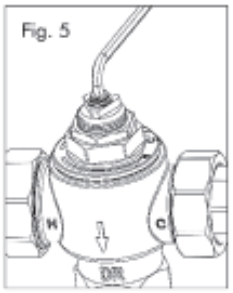


Fig. 5

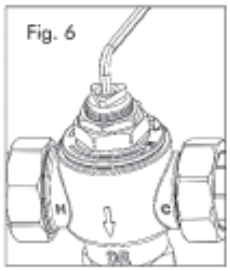


Fig. 6

BENEFITS

The AVG approach to disinfection and managing legionella ensures that the complete warm water plumbing system including pipework, tap and shower outlets, shower roses, flexible shower hoses, tap cartridges, filters, aerators, and restrictors, concealed plumbing sets and associated pipework is subjected to the disinfection process.

Point of use thermostatic taps can only ensure disinfection up to the inlet of thermostatic cartridge but not the thermostatic cartridge itself or anything else within the warm water system.

SAVINGS

One centralized AVG Thermostatic Mixing Valve can supply warm water to the entire bathroom and will save time and money when installing, commissioning and servicing the one TMV.

AVG Australian Valve Group