

# THERMOSTATIC MIXING VALVE

## APPLICATION

Precisely blends hot and cold water to a safe, stable temperature. Designed for hospitals, aged care facilities, schools and other high-risk applications. It delivers consistent protection against scalding, even when supply conditions change.

## FEATURES & BENEFITS

- Certified to AS4032.1 Thermostatic Mixing Valves Standard to meet the requirements of G12/AS1 and for use in hospitals, aged care facilities and early childhood education centres.
- Thermal flush setting to temporarily achieve 65°C to provide disinfection of plumbing pipework, taps, bath and shower outlets and flexible hoses downstream of TMV.
- 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.
- Complete with union fittings, accessible check valves, and inlet strainers, allowing fast and straightforward on-site servicing.
- Available with integrated right-angle isolating ball valves (TMV20BVW) or with straight couplings (TMV20W).
- Supplied with 20mm (3/4" BSP) inlet and outlet connections, including copper olives and compression nuts for reliable installation.
- Suitable for installation into AS/NZS 3500 compliant systems with hot water inlet temperature as low as 60°C.
- Lockable adjustment mechanism to prevent tampering.

## STANDARDS

- Valves comply with Acceptable Solutions G12/AS1 and AS4032.1
- Meets Lead-Free water standards (G12/AS1, NSF/ANSI/CAN 372:2020)
- Watermark License WMKA20137

## PRODUCT CODES

61240775 - TMV20W - Thermostatic Mixing Valve with straight union couplings - 20mm

61240774 - TMV20BVW - Thermostatic Mixing Valve with right angle ball valves - 20mm



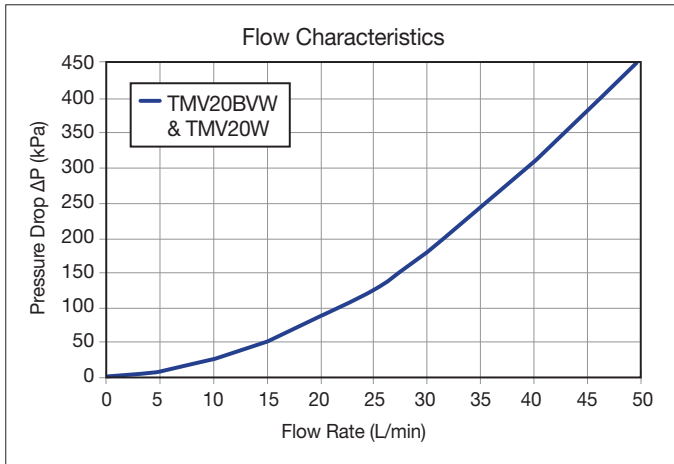
TMV20W



TMV20BVW



**Lead Free**  
AS4032.1  
WMKA Lic 20137  
SAI Global



## SPECIFICATIONS

- **Inlet:** 20mm (3/4" BSP) includes copper olives and nuts
- **Outlet:** 20mm (3/4" BSP) includes copper olives and nuts
- **Weight:** 1.1kg
- **Dynamic Inlet Pressure:** 20 - 500kPa
- **Maximum Static Pressure:** 1000 kPa
- **Inlet Temperatures:** Cold Supply: 5°C - 25°C  
Hot Supply: 60°C - 90°C
- **Mixed outlet Temperature:** 35°C to 45°C
- **Recommended Inlet Pressure Ratio:** Within ±10%
- **Maximum Inlet Pressure Ratio:** 10:1 (either supply)
- **Minimum Flow Rate for Stable Operation:** 4 L/min
- **Factory Set Temperature:** 45°C
- **Strainer:** 60 Mesh (250 Micron)

## TEMPERATURE ADJUSTMENTS

1. Using a small flat bladed screw driver lever the protective cap off the valve.
2. Fit the cap over the adjusting spindle. To increase the mixed outlet temperature, rotate the spindle anti-clockwise. To decrease the mixed outlet temperature, rotate the spindle clockwise.
3. Allow the mixed outlet temperature to stabilize for 60 seconds and once again take a temperature reading. Repeat the procedure until the desired temperature has been reached.
4. Tighten the lock nut and push the protective cap firmly on to the top of the valve until it 'snaps' back into place.
5. Check that the outlet temperature is stable over the full range of flow rates and that the flow rate is adequate for the application.
6. Close the outlet.
7. The mixing valve is now set and locked.

## TMV DIMENSIONS

