TECHNICAL DATA SHEET

Thermostatic Mixing Valve

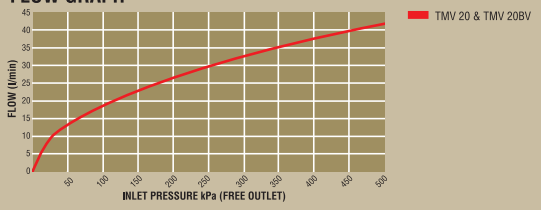
APPLICATION
Where water temperature control must be precise or water is required to be at safe skin contact temperature (45 degrees) e.g. hospitals, aged care, kindergartens, hair saloons.
TMV s can be used for single or multiple point applications.

SPECIFICATIONS
- TMV-20 strainers (60 mesh, 250 micron)
- TMV-20-BV strainers (60 mesh, 250 micron) & isolating valves
- Factory set to 45° C
- Min. setting 35° C
- Cold supply 5 – 30°C
- Hot supply 60 - 99° C
- Min. differential between hot supply and set temperature 10° C.
- Min. supply pressure 50kPa
- Max. supply pressure 1600 kPa static, 500 kPa dynamic.
- Flow rate 40l/min at 500 kPa
- Max. pressure imbalance between the hot & cold supplies 5:1
- Forged, high quality, corrosion resistant DR brass body, nickel pated

INSTALLATION
- Valve to be installed by a qualified plumber
- Installation must comply with local authority requirements
- Valve may be installed in any orientation
- Flush pipes prior to fitting
- Connections are H (hot inlet) C (cold inlet) and OUT (tempered outlet)
- Do not apply heat near valve during installation
- Do not install directly into cylinder outlet

CAUTION
Valves not installed in accordance with these instructions may result in unsafe performance

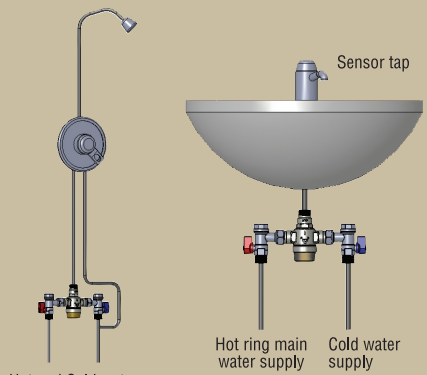
COMMISSIONING
The outlet temperature must be set on site. It should be set and verified using a thermometer. Remove cap. Use a screwdriver to adjust to desired temperature with the water running. Turn anti clockwise to increase the temperature.

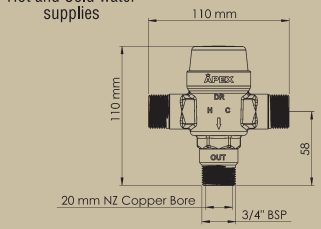
FLOW GRAPH


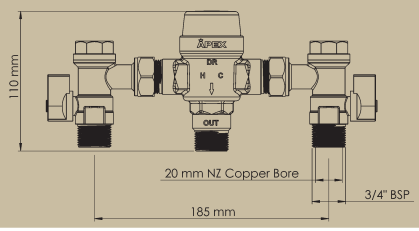
TESTING AND MAINTENANCE
- Testing should be carried out at least every 12 months. Note that the owner, occupier or facility manager needs to be notified that testing is being carried out and measures shall be taken to ensure safety during the testing.
- Check cleanliness of strainers and non-return valves; check non-return valve operation. Check the discharge temperature at the nearest outlet at both high and low flow using a thermometer with an accuracy of +/- 0.5°C. Record the test results and the location of the valve. Isolate the cold supply and check that the thermostatic mixing valve shuts down the hot supply.
- If a valve is found to be faulty during testing, it must be replaced.
- The thermostatic mixing valve shall be replaced at intervals not exceeding 5 years.
- Servicing of the internals of the valve is limited to replacement of the complete unit.

TMV 20

TMV 20BV







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STANDARDS
- Complies with NZBC Clause G12 (2001)
- Complies with NZS 4617: 1989
- Complies with BS7942

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