



HYBRIDFLO™ ACCESSORIES

THERMOSTATIC MIXING VALVE

Model
TMV

FUNCTION:

The TMV is used as a water mixing device with AMTC's **HYBRIDFLO™** series of automatic faucet systems. Thermostatic mixing valves (TMV) are used in applications where hot and cold water mixing is needed and where the user must be protected from the danger of scalding caused by hot water. The TMV provides water at a safe and usable temperature in situations where the control of the temperature of the water discharging from a terminal fitting is of the utmost importance, i.e. within restaurants, hospitals, schools, nursing homes, etc.

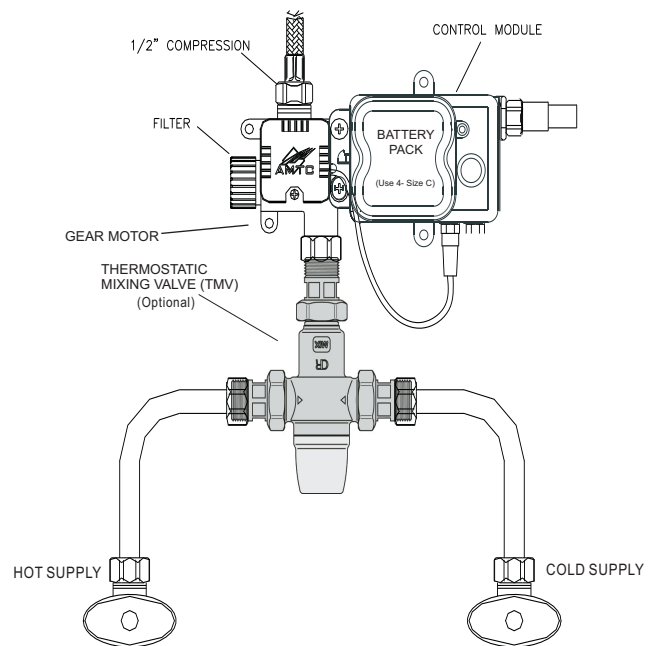
The valve is designed to prevent the flow of water discharging from the mixed water outlet in the event of the failure of hot or cold supply. Our TMV is a high performance thermostatic mixing valve and has been specifically certified to ASSE 1016. The valve is complete with a check valve at both hot and cold inlets.



TECHNICAL SPECIFICATIONS:

Materials: - Valve body:	DZR BRASS
- Regulating spindle:	DZR BRASS
- Internal shutter:	PPO
- Sealing elements:	EPDM
- Cover:	ABS
Temperature adjustment range:	85÷120°F (29÷49°C)
Temperature set:	must be commissioned on site to achieve desired temperature
Temperature control:	±3°F (±2°C)
Minimum cold inlet temperature:	39°F (4°C)
Maximum cold inlet temperature:	85°F (29°C)
Minimum hot inlet temperature:	120°F (49°C)
Maximum hot inlet temperature:	185°F (85°C)
Maximum working pressure (static):	140 psi (10 bar)
Maximum working pressure (dynamic):	70 psi (5 bar)
Minimum working pressure (dynamic):	1.5 psi (0.1 bar)
Maximum unbalanced dynamic supply (hot/cold or cold/hot):	6:1
Minimum temperature differential between hot water inlet and mixed water outlet to ensure thermal shutoff function:	18°F (10°C)
Minimum temperature differential between mixed water outlet and cold water inlet to ensure stable operation:	9°F (5°C)
Minimum flow rate for stable operation:	1 gpm (4 l/min)
Certified to:	ASSE 1016

APPLICATION:



Shown using hot and cold water mixing

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