Aquablend® 1000 Thermostatic Mixing Valve

ATM710

Aquablend's technology provides superior control, under changing pressure and temperature conditions as well as at ambient start up when scald protection is needed most. The proven performance, reliability and low 'whole of life' cost makes Aquablend a popular choice with specifiers, engineers, plumbers and property owners.

KEY FEATURES

- **Scald and thermal shock protection with rapid thermal shut-off should either the cold or hot water supply fails**
- **Highly responsive temperature control, maintaining outlet temperature within +/- 2°C under changing inlet temperature and pressure conditions**
- **Delivers excellent flow, operating at a minimum pressure of 20kPa**
- Supplied complete with isolating valves, non-return valves and dual stage strainers incorporating temperature/ pressure test ports
- Flexible installation - can be upside down or sideways, inlet and outlet connections may be rotated to suit pipework design
- Standards licensed to AS4032.1 - Thermostatic Mixing Valves

PRODUCT CODES

ATM710	Aquablend 1000 Thermostatic Mixing Valve 15mm MI Inlet 25mm MI Outlet with 15mm or 20mm MI Adaptor

OPTIONS

- In Lockable Stainless Steel Cabinet & Lid
- Smart Flow® TMV Monitoring and Control System

For more options see below or contact your Enware representative

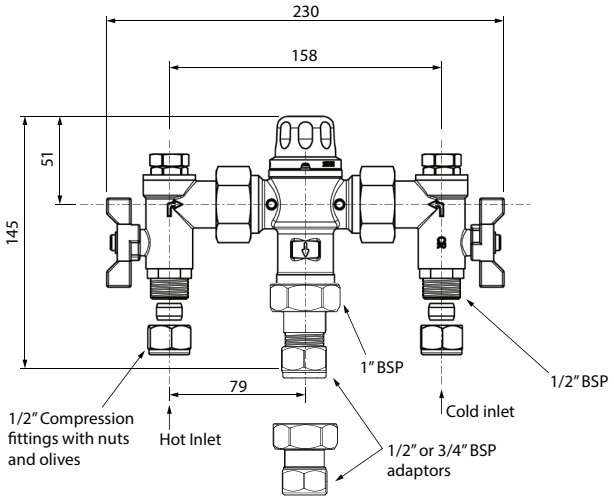
Version 3.0__25May22

1300 369 273 I info@enware.com.au
enware.com.au

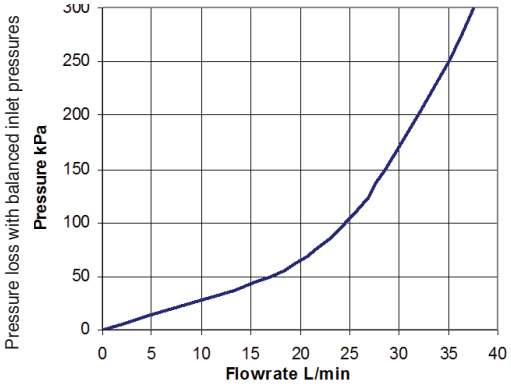
Aquablend® 1000 Thermostatic Mixing Valve

TECHNICAL INFORMATION

Thermostatic Temperature Range	Min 38˚C Max 50˚C (+/- 2˚C) Set during installation/ commissioning
Dynamic Inlet Pressures *	Min 20 kPa Max 500 kPa 10% maximum dynamic pressure differential between hot and cold supplies
Static Inlet Pressures	Max. 1600kPa For testing purposes/ system commissioning
Hot Temperature Supply Range	Min 55˚C Max 90˚C
Cold Temperature Supply Range	Min 5˚C Max 30˚C^
Minimum Temperature Differential	10˚C Between hot or cold supply and outlet mix temperature, required to ensure correct function of valve
Inlet Pressure Ratio *	H - PL = H¹ C - PL = C¹ H¹ : C¹ = Max 10:1 C¹ : H¹ = Max 10:1 H = Hot inlet pressure C = Cold inlet pressure PL = Pressure Loss
Inlet Size	1/2” compression nuts
Outlet Size	1” complete with 1” x 1/2” and 1” x 3/4” BSP adaptors
Flow Rates	Min. 2 L/min (4 L/min recommended for optimum performance Max. 39 L/min @300 kPa pressure loss as per Flow Sizing Graph



HEADLOSS CHARACTERISTICS OF AQUABLEND 1000



Mixed outlet flow rate

WaterMark
AS/NZS 4032.1
Lic1593

*AS3500.4 clause 1.9.4.2 - The dynamic pressure differential between hot and cold supplies when mixed at a thermostatic mixing valve shall not exceed 10%.

^ Where cold inlet temperature may exceed recommended range due to seasonal variation, a 5°C temperature differential between the inlet cold supply and outlet mixed temperature setting must be maintained.

Enware products are to be installed in accordance with the Plumbing Code of Australia and AS/NZS3500. Reference should also be made to the Australasian Health facility Guidelines (AHFG), ABCB and Local Government regulations when considering the choice of, and the installation of these products.
Enware Australia advises:
1. Due to ongoing Research and Development, specifications may change without notice. 2. Component specifications may change on some export models. 3. Refer to warranty statement for warranty details - www.enware.com.au/warranty

Version 3.0__25May22

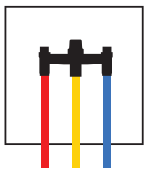
Aquablend® 1000 Thermostatic Mixing Valve in Stainless Steel Cabinet

TMV CABINET CONFIGURATIONS

TMV + Cabinet

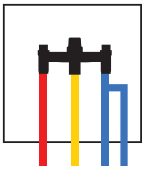
ATMS710VC-350
ATMS710VCR-350 *
ATMS710VCH-350 **
ATMS710VCPRV-430

3 Pipe Cabinet



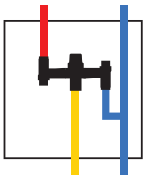
ATMS710-350
ATMS710R-350 *
ATMS710H-350 **
ATMS710PRV-430

4 Pipe Cabinet



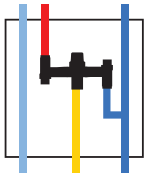
ATMS119-350
ATMS119RW-350
ATMS119PRV-430

4 Pipe Cabinet



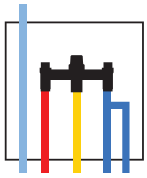
ATMS118-350

4 Pipe Cabinet + RW



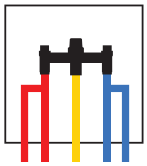
ATMS118RW-350

4 Pipe Cabinet + RW



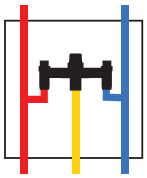
ATMS119RW-350
ATMS119PRVRW-430

5 Pipe Cabinet



ATMS120-350
ATMS120PRV-430

5 Pipe Cabinet



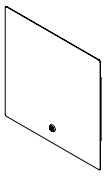
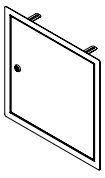
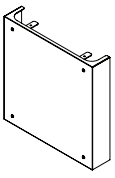
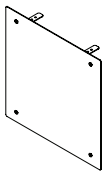
ATMS121-350

PRV = Pressure reduction valves (500kPa on hot & cold inlets)
RW = Additional pipe and isolation valve
***** = Complete with Recess Lid (brushed finish S/S)
****** = Complete with Hinged Lid (brushed finish S/S)

VC = TMV and cabinet only
350 = 350 mm x 350 mm square cabinet
430 = 430 mm W x 500 mm H cabinet

All pictures shown are for illustration purpose only. Actual product may vary.

CABINET LID TYPES (Stainless Steel Brushed Finish)

	Recess Lid #	Hinged Lid #	Exposed Lid #	Recess Lid with Security Torx Screws
				
350mm	**ATMSRL-350**	**ATMSHL-350**	**ATMSXP-350**	**ATMSSEC-350**
430mm	**ATMSRL-430**	**ATMSHL-430**		**ATMSSEC-430**

= Powder coat option available

Version 3.0__25May22

1300 369 273 I info@enware.com.au
enware.com.au