

Aquablend: 1000 Lead Free Thermostatic Mixing Valve

Enware Aquablend thermostatic technology provides superior control to ensure scald protection and temperature control under the most challenging conditions of hydraulic pressure and temperature variation and at ambient start up.

The proven performance, reliability and low whole of life cost makes Aquablend the popular choice with specifiers, engineers, plumbers and property owners.

Lead Free brass construction with durable and easy to service components and high available flow rates, the Aquablend 1000 is ideal for commercial and high density multi-point applications.



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
- Available pre-plumbed in a Stainless Steel cabinet with hinged lockable lid
- 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	15mm Inlet 15/20mm Outlet
ATM712	20mm Inlet 20/25mm Outlet



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.

Due to ongoing Research and Development, specifications may change without notice.

Component specifications may change on some export models.

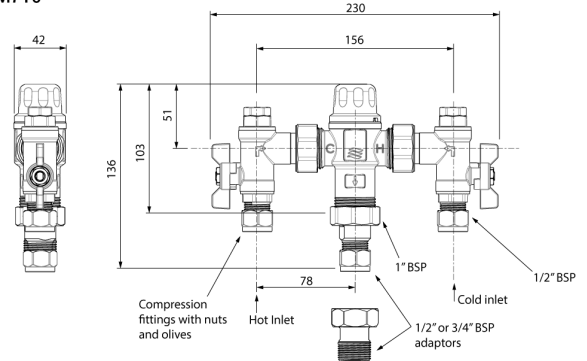
Refer to warranty statement for warranty details - www.enware.com.au/warranty.

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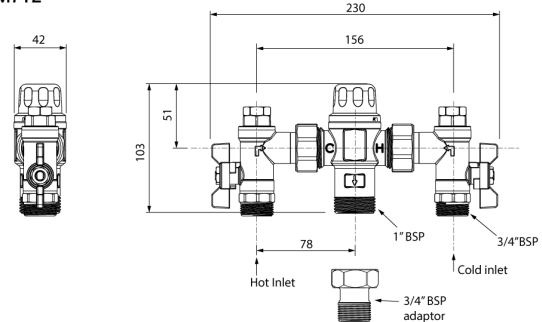
TECHNICAL DATA

Minimum Cold Temperature Supply	5°C
Maximum Cold Temperature Supply	30°C
Minimum Hot Temperature Supply	55°C
Maximum Hot Temperature Supply	90°C
Minimum Thermostatic Temperature	38°C
Maximum Thermostatic Temperature	50°C
Minimum Working Pressure	20kPa
Maximum Working Pressure	500kPa
Maximum Static Pressure	1600kPa - For testing purposes/ system commissioning
Inlet Pressure Ratio	$H - PL = H^1; C - PL = C^1; H^1 : C^1 = \text{Max } 10:1; C^1 : H^1 = \text{Max } 10:1$ (H = Hot inlet pressure, C = Cold inlet pressure, PL = Pressure Loss)
Minimum Flow Rate	2L/min
Minimum Flow Rate for Stable Outlet Temperature	4L/min
Maximum Flow Rate (15mm)	38 L/min (31 L/min@200 kPa pressure loss as per flow sizing graph)
Maximum Flow Rate (20mm)	45 L/min (39 L/min@200 kPa pressure loss as per flow sizing graph)
Inlet Connection	1/2"MI with compression nuts or 3/4"MI
Outlet Connection	1" with 1"x1/2" and/or 1"x 3/4" BSP adaptors
Technical Notes	Thermostatic Temperature Range: Min 38°C Max 50°C (+/- 2°C) - Set during installation/ commissioning For optimum operation it is recommended that the hot and cold water supply pressures be balanced within +/- 10% for both static and dynamic pressures. Hot to Mix Temperature Differential for Stable Operation: Min 10°C Cold to Mix Temperature Differential for Stable Operation: Min 5°C Cold Supply Inlet Temperature: Max 30°C - 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.

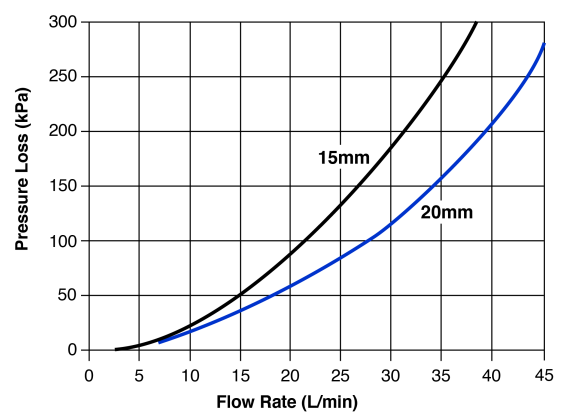
ATM710



ATM712



HEAD LOSS CHARACTERISTICS



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SPARE PARTS

ATMS1205	Spare Parts: Inlet Fitting Strainers - 2
ATMS202	Spare Parts: Aquablend - Inlet Fitting O-Ring
ATMS123	Spare Parts: Aquablend - 1000/1500/2000 O-ring Kit - Post 2009
ATMS228	Spare Parts: Aquablend - 1000/1500/2000 Mixing Tube
ATMS190	Spare Parts: Aquablend - Return Spring - 1000/1500/2000
ATMS312	Spare Parts: Non Return Valve Suit Aqua1000/1500/2500
ATMS1313	Spare Parts: Aquablend - Inlet Face Seal
ATMS242L	Spare Parts: Aquablend - 1000/1500/2000 Upgrade Service Kit
ATMS1315L	Spare Parts: Pressure Test Point Plugs with O-Rings (1 pair) - Aquablend 1000 / 1500
ATMS243L	Spare Parts: Aquablend - 1000/1500 Inlet Cap with O-ring (Pair) to Suit Pressure Test Point with O-ring
ATMS507L	Spare Parts: Inlet Fitting Aquablend 1000/1500 H&C LI
ATMS508L	Spare Parts: Aquablend - 1000/1500 Inlet Fitting Control Valves 3/4"Hot and Cold
ATMS1400L	Spare Parts: Aquablend - Thermostatic Element - 1500/1000/2000
ATMS1221	Spare Parts: Pete's Plug 1/4"Test Point Adaptor
ATM728	Stainless Steel Wall Mounted Bracket - Suits 1000 and 1500 models

