

Tepid Water System for Emergency Shower and Eye Wash

WORKFORCE SAFETY IS AT THE HEART OF OUR DESIGN

In an emergency situation, every second counts when it comes to minimising the impact of workplace injuries.

Delivering tepid water to emergency showers and eye washes in cold climate regions presents its own unique challenges. The ETW2500 tepid water system is designed to supply flushing fluid within recommended temperature guidelines of 15.6 to 37.8 °C (as per AS4775).

The system design integrates the Aquablend 2500 Thermostatic Mixing Valve to mix the hot and cold water which is then fed back into the inlet feed to the emergency shower and eye wash.

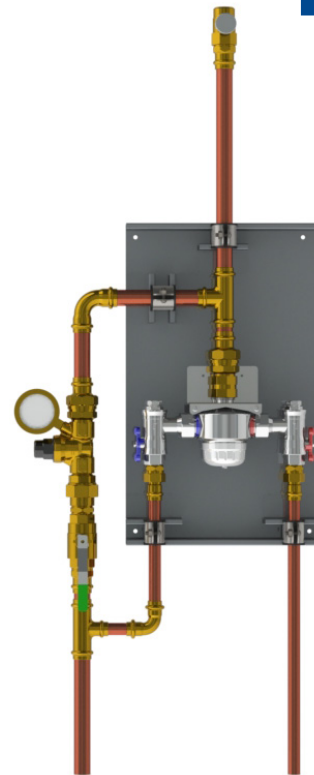
ETW2500

FEATURES

- System includes Aquablend 2500 TMV (ATM725 - WaterMarked to AS4032.1)
- Fully assembled with stainless steel (304 grade) bracket
- Temperature gauge on outlet to show supply temperature to the shower or eye wash
- PRV and Pressure gauge on cold inlet
- Cold water bypass in the event of hot water supply failure
- System shut down in the event of cold water supply failure

Product Codes

ETW2500 Tepid Water System for Emergency Shower and Eye Wash



Technical Information

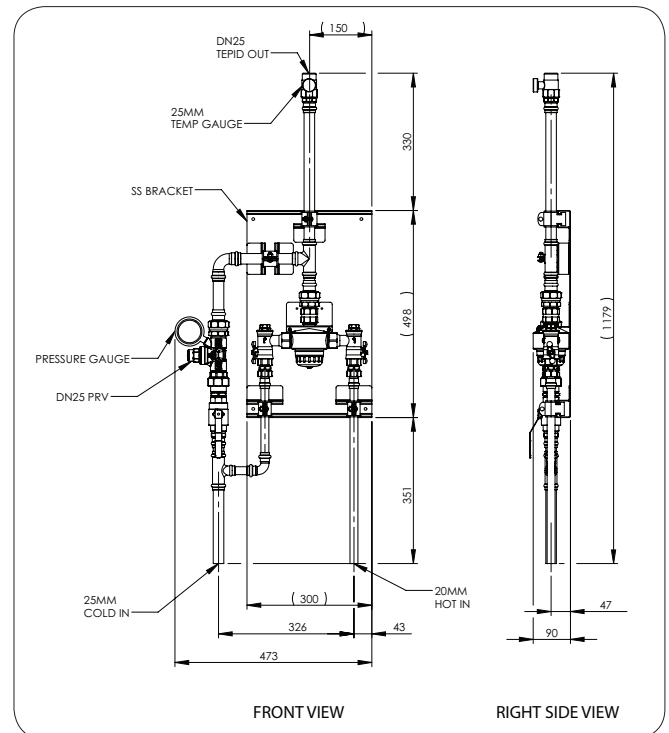
Mixed Outlet Temperature Range	22 - 37 °C
Cold Inlet Size	DN 25
Hot Inlet Size	DN 20
Mixed Outlet Size	DN 25
Dynamic Inlet Pressure Range for pressure compliance to AS4775 (to maintain a minimum of 210 kpa at the fixture)	425 kpa – 600 kpa
Dynamic Inlet Pressure Range for flow compliance to AS4775 (to maintain a minimum of 75.6 lpm at the fixture)	300 kpa – 600 kpa
Maximum Static Inlet Pressure	1000 kpa
Maximum Flow Rate	116 lpm @ 250 kpa pressure loss
Bypass Flow Rate (In case of hot water supply failure)*	88 lpm @ 600 kpa
Hot inlet temperature range	55 - 80 °C
Cold inlet temperature range	5 - 25 °C
Hot to Cold Supply Ratio**	1:4

* Note – refer pressure loss chart

** Note – Supply conditions of 15°C cold and 60 °C hot, TMV outlet set point at 35°C @ 500kpa inlet

NOTE: 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: Feb 19

^ WaterMark for Aquablend 2500 TMV

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INLET TO OUTLET TEMPERATURE CHART

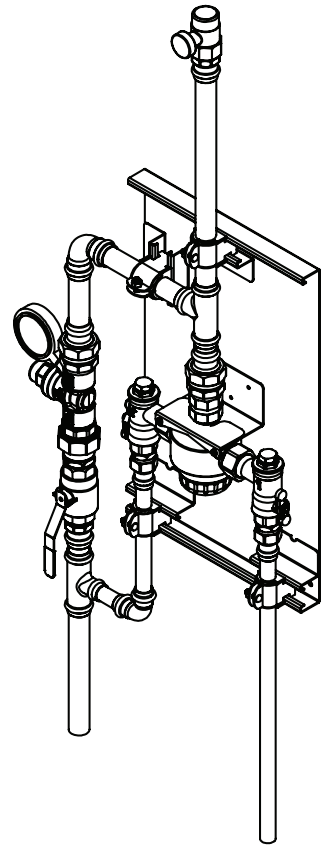
TMV set point 35 °C @ 500 kPa

COLD IN (°C)	HOT IN (°C)	OUTLET (°C)
5	60	22
10	60	26
15	60	28
20	60	29

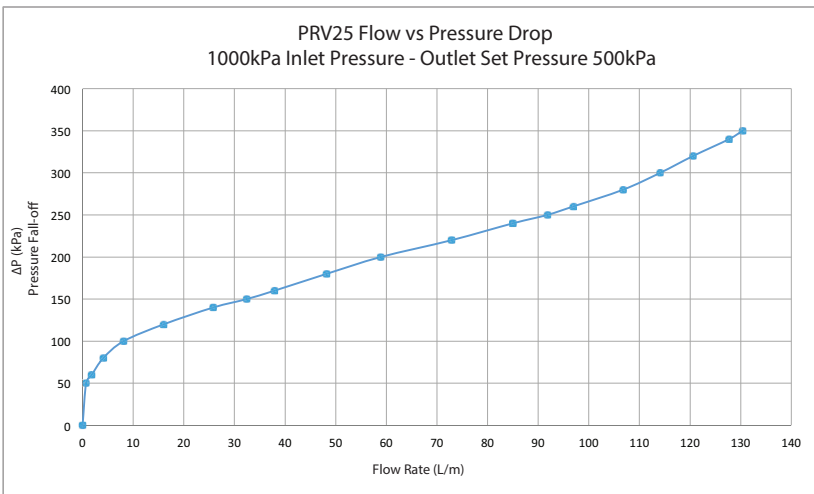
ETW2500

PRESSURE LOSS CHART FOR FULL SYSTEM

Flow Rate (Lpm)	Pressure Loss (kPa)
76	163
80	198
90	200
105	223
110	232
115	250



BYPASS PRESSURE LOSS



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