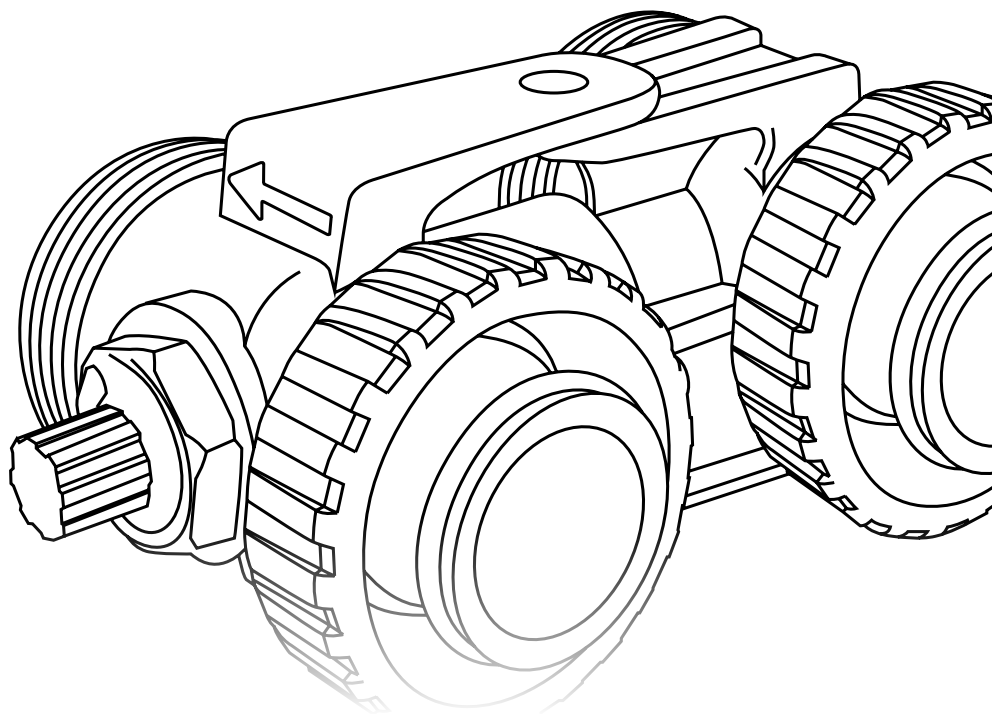




# WTV5050

*External Inline Blending Valve User Guide*



**Puretec®**  
PERFECTING WATER



WATER TREATMENT

## Introduction

Thank you for purchasing a Puretec External Blending Valve. Your valve is a proven performer manufactured from only quality materials and components.

The WTV5050 External Mixing Valve can be used on:

- Water softeners (SOL) to blend back hardness.
- Carbon filters (CFS) to blend back in small amounts of chlorine.
- Neutralising filters (NTS & NTX) to adjust the pH of the water.

Please follow the initial installation guidelines carefully. If you require any assistance, please contact our Customer Service Helpline **1300 140 140** (Australia) **0800 130 140** (New Zealand).

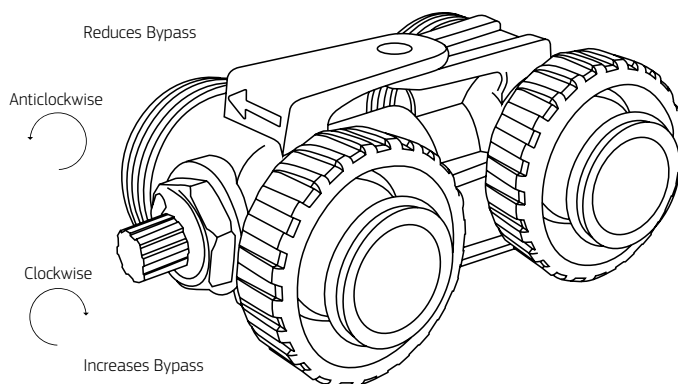
**Caution:** Do not use with water that is microbiologically unsafe or with water of unknown quality without adequate disinfection before or after the system.

## Specifications

Model:	<b>WTV5050</b>
Min/Max Operating Pressure:	<b>140 - 860 kPa</b>
Min/Max Temperature:	<b>4°C - 43°C (40 - 110°F)</b>
Mixing Rates*	
6" to 9" Diameter Tanks:	<b>Up to 50%</b>
10" Diameter Tanks:	<b>Up to 40%</b>
12" Diameter Tanks:	<b>Up to 30%</b>
13" Diameter Tanks:	<b>Up to 20%</b>

\*Average mixing rates of the influent hardness or chlorine. Not recommended to for use on tanks larger than 13" in diameter.

**Fig 1.**



## Installation

1. Isolate the water supply & release the pressure.
2. Remove the existing bypass and/or inlet/outlet adaptors by turning the union anticlockwise.
3. Install the WTV5050 External Blending Valve. Ensure that the arrows are pointing in the direction of the flow. If unsure, contact Puretec for assistance.

**Note:** Hand tighten only, do NOT overtighten.

4. Connect bypass and/or inlet/outlet adaptors to the External Blending Valve.
5. Turn on the water supply and adjust the External Blending Valve as required by:

**Clockwise:** Increases bypass (less treated water).

**Anticlockwise:** Reduces bypass (more treated water).

When setting up for max bypass (least amount of treated water) turn the dial anticlockwise until it stops. Then adjust the dial turning it clockwise to the thickest part of the line on the dial indicator.

**Note:** If the dial is turned clockwise past the max bypass line (maximum blending) position it will need to be reset. To reset, turn the dial anticlockwise until it stops and turn the dial to the desired position.

6. Once the External Blending Valve has been set, the unit is ready for use.



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