

TWIN TANK Autotrol Valve

RESIDENTIAL & LIGHT COMMERCIAL AUTOMATIC ORGANIC CONDITIONERS FOR POTABLE & PROCESS WATERS

PROCESS

Degenerating vegetation releases tannins and organics into surface water, spear-points and bore water supplies causing colour, taste and odour problems. Organic Conditioners use a special A860S organic scavenger resin that attracts the tannins and organics from the water. When the resin becomes laden with contaminants the conditioner 'regenerates' using a salt water solution and dispels the contaminants to waste and refreshes the resin sites. The conditioner comprises a large capacity salt storage tank and tall resin tank for increased void space for efficient backwash and brining. All functions are fully automatic. A periodic top-up of salt into the brine tank is required. If the raw water is for potable use and/or heavily contaminated, an automatic coal-based carbon filter may be required to remove taste and residual tannins and organics. (see NOTE below for pretreatment requirements)

VALVE & CONTROL

Automatic 3 cycle valve with backwash, rinse and service cycles. The control is Microprocessor Demand featuring an in-built water meter that monitors actual water flow and usage patterns and initiates a regeneration when the programmed water volume has been met. The control uses safe 12v power from the wall mount transformer supplied.



| MODEL | TANK SIZE DIA x HEIGHT | LITRES RESIN | MAX* FLOW LPM | IN/OUT | DRAIN |
|------------------|------------------------|--------------|---------------|--------|-------|
| WTWSOC9M | 229mm x 1220mm | 28L | 14.0 | 25mm | 12mm |
| WTWSOC10M | 254mm x 1370mm | 42L | 21.0 | 25mm | 12mm |
| WTWSOC12M | 305mm x 1320mm | 56L | 28.0 | 25mm | 12mm |
| WTWSOC14M | 355mm x 1650mm | 100L | 50.0 | 25mm | 12mm |
| WTWSOC16M | 405mm x 1650mm | 125L | 62.5 | 40mm | 25mm |
| WTWSOC21M | 530mm x 1830mm | 175L | 87.5 | 40mm | 25mm |
| WTWSOC24M | 610mm x 1830mm | 300L | 150.0 | 40mm | 25mm |

NOTE:

(1) IF ACIDS ARE PRESENT IN THE WATER THE CONDITIONER COULD LOWER PH AND REQUIRE CORRECTION WITH A NEUTRALISING FILTER.
 (2) IF IRON IS PRESENT AN IRON REMOVAL FILTER IS RECOMMENDED BEFORE THE CONDITIONER.

(3) A SOFTENER SHOULD BE INSTALLED IF HARDNESS IS ABOVE 68mg/L.

Minimum inlet pressure 280 kpa. Maximum inlet pressure 600 kpa with no water hammer. For open discharge (e.g. tank filling), use a switch kit & solenoid valve to provide back-pressure when conditioner is regenerating. Refer Dowdens for pricing. Flow based on *Intermittent usage.