

### TWIN TANK Clack 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 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 WTWSOC12 shown

| MODEL           | TANK SIZE DIA x HEIGHT | LITRES RESIN | MAX* FLOW LPM | IN/OUT | DRAIN |
|-----------------|------------------------|--------------|---------------|--------|-------|
| <b>WTWSOC9</b>  | 229mm x 1220mm         | 28L          | 14.0          | 25mm   | 12mm  |
| <b>WTWSOC10</b> | 254mm x 1370mm         | 42L          | 21.0          | 25mm   | 12mm  |
| <b>WTWSOC12</b> | 305mm x 1320mm         | 56L          | 28.0          | 25mm   | 12mm  |
| <b>WTWSOC14</b> | 355mm x 1650mm         | 100L         | 50.0          | 25mm   | 12mm  |
| <b>WTWSOC16</b> | 405mm x 1650mm         | 125L         | 62.5          | 40mm   | 25mm  |
| <b>WTWSOC21</b> | 530mm x 1830mm         | 175L         | 87.5          | 40mm   | 25mm  |
| <b>WTWSOC24</b> | 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 NHWB (no hard water bypass valve) to provide back-pressure when conditioner is regenerating. Refer Dowdens for pricing. Flow based on \*Intermittent usage.