

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
WTWSOC9	229mm x 1220mm	28L	14.0	25mm	12mm
WTWSOC10	254mm x 1370mm	42L	21.0	25mm	12mm
WTWSOC12	305mm x 1320mm	56L	28.0	25mm	12mm
WTWSOC14	355mm x 1650mm	100L	50.0	25mm	12mm
WTWSOC16	405mm x 1650mm	125L	62.5	40mm	25mm
WTWSOC21	530mm x 1830mm	175L	87.5	40mm	25mm
WTWSOC24	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.