



C&I SERIES Clack Valves

THE PRINCIPAL SCALE-FORMING MINERALS, CALCIUM AND MAGNESIUM, ACCUMULATE IN PIPING, HEAT EXCHANGERS, WATER HEATERS, BOILERS AND STEAM EQUIPMENT RESULTING IN SIGNIFICANT INCREASES IN ENERGY CONSUMPTION, HIGHER RUNNING COSTS AND MAINTENANCE

FEATURES

- Single or multiple softener configurations
- Top-mount 5-cycle automatic softener valves. Side-mount option available on WTWS16 to WTWS48 systems
- Water meter, pressure differential or external signal regeneration initiation
- Single, alternating or twin metered controls. Sequential or parallel controls for multiple softeners
- Free-standing FRP fibreglass wrapped polyethylene resin tanks
- Heavy duty polyethylene brine tanks & lids
- Food grade industrial softener resin
- No Hard Water Bypass valve option to prevent unsoftened water to service during regeneration
- Motorised alternating valve option for soft water regeneration



| Model | (Dia x Height) | | resin litres | in/out mm | service lpm* | peak lpm* | Back wash lpm | max/min capacity kgms | | max/min salt usage kgms | |
|--------|----------------|---------|--------------|-----------|--------------|-----------|---------------|-----------------------|------|-------------------------|------|
| | cms | inches | | | | | | | | | |
| WTWS12 | 30 x 130 | 12 x 52 | 56 | 25 | 38.0 | 76.0 | 13.0 | 3.9 | 1.3 | 13.5 | 4.5 |
| WTWS13 | 33 x 137 | 13 x 54 | 70 | 25 | 48.0 | 96.0 | 16.0 | 4.9 | 1.6 | 16.9 | 5.6 |
| WTWS14 | 35 x 165 | 14 x 65 | 100 | 25 | 67.0 | 134.0 | 18.0 | 6.7 | 2.2 | 22.8 | 7.6 |
| WTWS16 | 40 x 165 | 16 x 65 | 125 | 40 | 83.0 | 116.0 | 23.0 | 8.7 | 2.9 | 30.0 | 10.0 |
| WTWS21 | 51 x 157 | 21 x 62 | 175 | 40 | 116.0 | 232.0 | 42.0 | 12.3 | 4.1 | 42.0 | 14.0 |
| WTWS24 | 61 x 183 | 24 x 72 | 300 | 40 | 202.0 | 265.0 | 53.0 | 21.0 | 7.0 | 72.0 | 24.0 |
| WTWS30 | 76 x 183 | 30 x 72 | 500 | 50 | 335.0 | 470.0 | 82.0 | 33.5 | 11.1 | 114.0 | 38.0 |
| WTWS36 | 92 x 183 | 36 x 72 | 700 | 50 | 435.0 | 473.0 | 125.0 | 49.0 | 16.3 | 168.0 | 56.0 |
| WTWS42 | 107 x 183 | 42 x 72 | 875 | 80 | 587.0 | 946.0 | 162.0 | 61.3 | 20.4 | 210.0 | 70.0 |
| WTWS48 | 122 x 183 | 48 x 72 | 1175 | 80 | 788.0 | 946.0 | 217.0 | 81.9 | 27.3 | 280.0 | 93.3 |



Optional No Hard Water Bypass Valve (NHWB) to prevent hard water to service during regeneration. Add '-NHWB' suffix to Softener Model



Optional Motorised Alternating Valve (MAV) option for soft water regeneration

Tank dimensions do not include base. *Flow rates are a guide only - peak flow rates can be achieved for short periods only. Peak flows based on 105kpa pressure loss through valve. Minimum inlet pressure 420 kpa. Maximum inlet pressure 600 kpa with no water hammer. For open discharge applications (e.g. tank filling), or during regeneration a NHWB option will be required to provide back-pressure when the softener is regenerating.

