

# AquaZoom

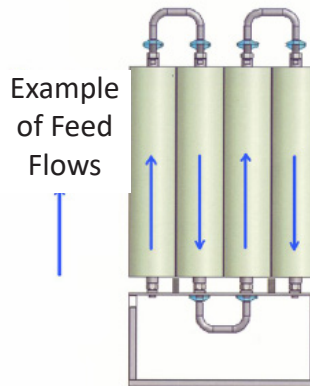
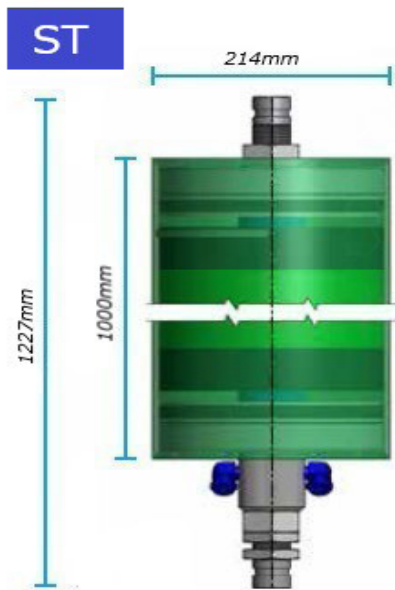
High Pressure, High Recovery RO Modules



## Spacer Tube (ST) Reverse Osmosis Modules

Model	ST-ROX Series
Membrane Type	RO3, RO4, RO6
Construction <sup>1</sup>	ST Element Sealed within FRP Vessel
Applications	High Dissolved Solids Rejection, High Pressure
Membrane Area	23.9 m <sup>2</sup> (257 ft <sup>2</sup> )
Feed Inlet/Outlet Connections	Victaulic, Pipe Outside Diameter: 33.7 mm (1.3 in)
Permeate Outlet Connections	Two (2) 11.6 mm x 9 mm Quick Coupling for Hose
Dry Weight without Element	40 kg (88 lb)
Wet Weight with Element	56 kg (123.5 lb)
Maximum Temperature (Process; CIP)	40°C (104°F) ; 45°C (113°F)
Maximum pH Range (Process; CIP)	3 - 11 ; 2 - 12
Maximum Inlet Pressure	90 bar (1,305 psi)
Maximum Inlet - Outlet ΔP	1.1 bar (16 psi)
Process Water Recovery	Up to 90 - 95% (permeate stage)
System Design Crossflow (Max.; Min.)	10 m <sup>3</sup> /h @ 1.0 bar ΔP ; 5 m <sup>3</sup> /h @ 0.5 bar ΔP (44 gpm @ 14.5 psi ΔP ; 22 gpm @ 7.3 psi ΔP)

<sup>1</sup>Brine seal to be installed in flow direction on the low pressure side/element outlet side.



*NOTE: The feed flow can be from either end of the ST module BUT the membrane element must be installed to suit the flow direction.*

*If feed flow is from top to bottom of the module the membrane element seal must be on the bottom.*

### AquaZoom™ Replacement Parts

- Membranes: Please see ST RO3, RO4, and RO6 element datasheets
- Seal Kit: For replacement elastomeric seals, please order Kit Model Number ST-11