

# AquaZoom

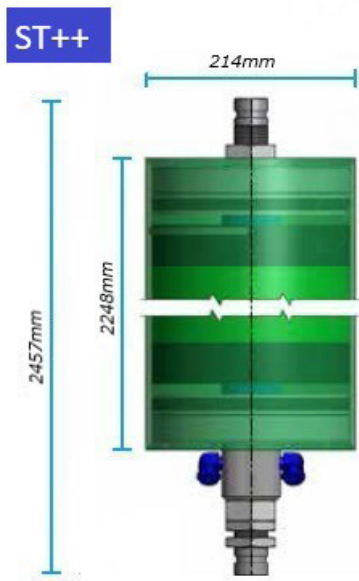
High Pressure, High Recovery RO Modules



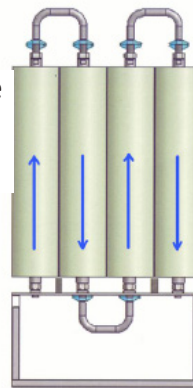
## Spacer Tube ++ (ST++) Reverse Osmosis Modules

Model	ST-DBL-ROX Series
Membrane Type	RO3, RO4, RO6
Construction <sup>1</sup>	Two ST+ Elements Sealed within One FRP Vessel
Applications	High Dissolved Solids Rejection, High Pressure
Membrane Area	58.6 m <sup>2</sup> (630 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	50 kg (110 lb)
Wet Weight with Element	90 kg (198 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	2.0 bar (29 psi)
Process Water Recovery	Up to 90 - 95% (permeate stage)
System Design Crossflow (Max.; Min.)	10 m <sup>3</sup> /h @ 2.0 bar ΔP ; 5 m <sup>3</sup> /h @ 1.0 bar ΔP (44 gpm @ 29 psi ΔP ; 22 gpm @ 14.5 psi ΔP)

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



Example of Feed Flows



*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-DBL-22