

AquaZoom

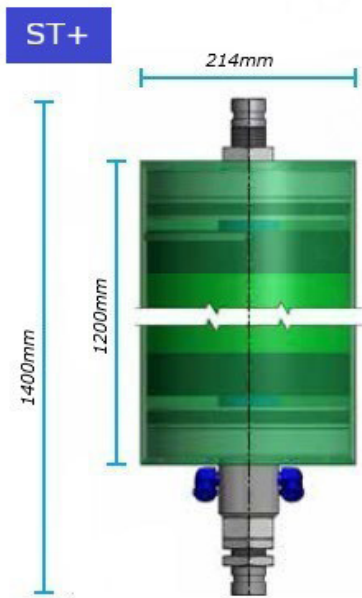
High Pressure, High Recovery RO Modules



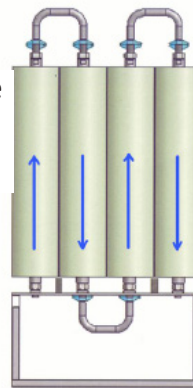
Spacer Tube + (ST+) Reverse Osmosis Modules

Model	ST-L-ROX Series
Membrane Type	RO3, RO4, RO6
Construction ¹	ST+ Element Sealed within FRP Vessel
Applications	High Dissolved Solids Rejection, High Pressure
Membrane Area	29.3 m ² (315 ft ²)
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	60 kg (132 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	1.2 bar (17.4 psi)
Process Water Recovery	Up to 90 - 95% (permeate stage)
System Design Crossflow (Max.; Min.)	10 m ³ /h @ 1.2 bar ΔP ; 5 m ³ /h @ 0.6 bar ΔP (44 gpm @ 17.4 psi ΔP ; 22 gpm @ 8.7 psi ΔP)

¹Brine 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-L-11