

AquaZoom

High Pressure, High Recovery RO Modules

DT-RO4 Modules

DT-04-L: Low to medium chloride concentrations

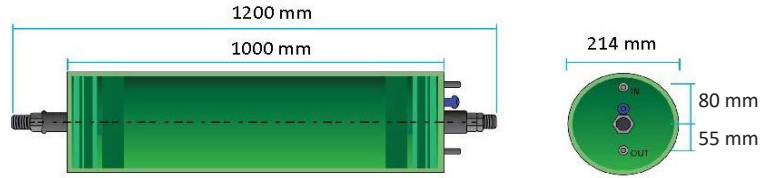
DT-04-H: High chlorides & seawater

Module Performance Specifications

Model	DT-RO4
Permeate Flow Rate*	5.7 m ³ /d (63 gph)
Nominal Rejection*	99.30%
Minimum Rejection*	98.5%
Continuous Process pH Range	3 - 11
CIP pH Range** @ 50°C (122°F)	2 - 12
Maximum Process Temperature	45°C (113°F)
Maximum CIP Temperature**	50°C (122°F)

*Performance specifications shown are nominal values. Permeate flow rates may vary by ±15% from the values shown. RO4 test conditions: NaCl concentration of 32,000 mg/l at 942 psi (65 bar), 30% recovery, and 25°C.

**Consult CrossTek for detailed cleaning instructions



Key Advantages

- High salt rejection and high recovery rates (up to 90-95%)
- Meets discharge standards around the world
- Open channel feed-side design that minimizes membrane fouling and scaling
- Membrane life of up to 5 years in high solids applications
- Used with various pretreatments and post-evaporation as required
- Enables small footprint systems as compared to those with multiple unit operations

AquaZoom™ Replacement Parts

- Membranes: For 169 replacement RO4 cushions, please order Kit Model Number DT - RO4 - 169R.
- Seal Kit: For replacement o-rings and lip seals, please order Kit Model Number DT - 348.

Module Physical Specifications

Model	DT-RO4
Construction	Disc Tube Cushion Stack Sealed within FRP Pressure Vessel
Membrane Area	7.9 m ² (85.5 ft ²)
Module Length	1,200 mm (47.2 in)
Module Diameter	214 mm (8.4 in)
Module Wet Weight (Drained)	59 kg (130 lb)
High Pressure Feed Inlet/Outlet Connections	12 mm (0.47 in) Swagelok®
Permeate Outlet	1 x quick coupling for hose 11.6 mm x 9 mm
Maximum Inlet Pressure	90 bar (1,305 psi)
Maximum Inlet - Outlet ΔP	7.3 bar (105.2 psi)
System Design Crossflow (nominal)	0.8 m ³ /h @ 2.2 bar ΔP (3.5 gpm @ 32 psi ΔP)