

Aqua Flair

Your Partner in Purity



➔ RO Pressure Vessel - 4

Pressure Vessels are designed for commercial RO systems, offering excellent corrosion resistance, lightweight construction, and long service life. Manufactured using high-strength FRP with epoxy resin, these vessels are suitable for a wide range of water treatment applications.



➔ Features & Benefits

- ➔ Designed for standard 4" RO membranes
- ➔ Pressure ratings available: 300, 450, 600 PSI End-entry design for easy installation
- ➔ High-strength FRP body with epoxy coating
- ➔ UV-resistant, corrosion-proof



Parameters	Specification
Available Sizes	1, 2, 3, 4, 5, 6, membranes (in series)
Diameter	4" (101.6 mm)
Working Pressure	300 / 450 / 600 / 1000 / 1200 PSI
Operating Temperature	5°C — 45°C
Construction Material	FRP (Fiberglass Reinforced Plastic)
End Entry Type	Side-Port / End-Port
Compatible Membranes	Standard 4" RO Membranes
Surface Finish	Glossy gel-coated exterior
Mounting	SS straps / saddles
Certificates	ISO, CE, ASME Compliant Design

➔ RO Pressure Vessel - 8

8 RO Pressure Vessels are designed for industrial, high-pressure RO systems used in seawater desalination, power generation, petrochemical, and high-purity water applications. Constructed using fiberglass-reinforced epoxy (FRP), these pressure vessels provide excellent corrosion resistance, durability, and long operational life under demanding conditions.



➔ Key Feature

- ➔ Suitable for 8" RO membranes
- ➔ Available pressure classes: 300 PSI - 2000 PSI
- ➔ FRP wound body with epoxy resin for corrosion resistance
- ➔ High gloss gel-coat for UV protection and durability



Parameters	Specification
Model Type / Diameter	8" FRP RO Pressure Vessel
Available Sizes	8" (203.2 mm)
Working Pressure Ratings	300 / 450 / 600 / 1000 / 1200 / 1500 / 1800 / 2000 PSI
Operating Temperature	-5°C — 66°C
Construction Material	FRP (Fiberglass + Epoxy Resin)
Port Type	Side-Port / End-Port / custom multi port
Surface Finish	UV-resistant gel-coat finish
Burst Pressure	≥ 6 × working pressure
Hydrostatic Test Pressure	1.5 × working pressure
Certificates	ISO / CE / ASME compliant design

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THANK YOU



Main Location

Al Raffa 1, Building 8, Shop 4, near
Etisalat building, Khalid bin Waleed
Road, BurDubai, Dubai.



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