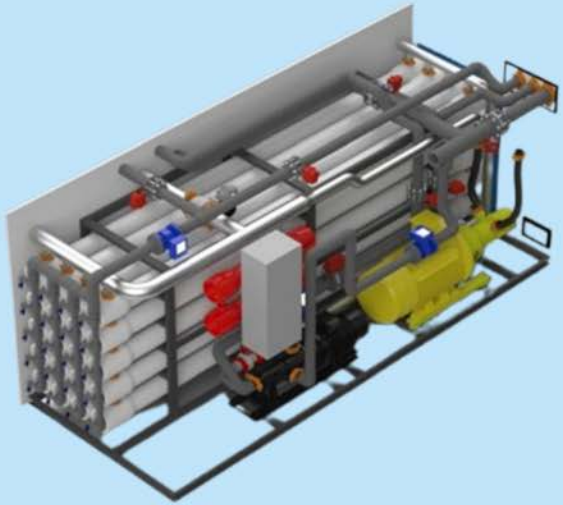
triwa

for water technologies

Introducing:

CBR™ series

Modular, Plug & Play Desalination Plants



CBR™ : A Modular, Plug & Play Solution For Brackish, and TSE Polishing

Brackish Water Containerized RO systems are designed for efficient and reliable purification of brackish and seawater. These systems have a capacity range of 5**00 m3/day to 3,000 m3/day** and are packaged in durable, weather-resistant shipping containers for easy transportation and installation. They are ideal for use in remote locations or areas with limited space.

BWRO Models:

- **CBR-500: 500 m3/day**
- **CBR-800: 800 m3/day**
- **CBR-1000: 1000 m3/day**
- **CBR-1500: 1500 m3/day**
- **CBR-2000: 2000 m3/day**
- **CBR-3000: 3000 m3/day**

Typical Equipment Selection

CBR™	Included	Optional
Auto Screen Filter		X
Pr Chlorination Dosing	X	
Multi Media Filters	X	
Activated Carbon Filter		X
SMBS Dosing	X	
Micro Filtration	X	
Anti Scalant Dosing	X	
High Pressure Pump	X	
Reverso Osmosis Rack	X	
Instrumentation: TDS, ORP, pH, Flow, Pressure	X	
Centralized PLC & MCC Panel inc. HMI	X	
Remote GSM Module		X
Post Chlorination Dosing	X	

Why choose CBR™ ?

The **CBR Series** are plug-and-play brackish water RO systems built for reliable, efficient service. Each containerized unit produces **250–3,000 m³/day** of clean water from wells, boreholes, or similar sources. In addition, all systems ship pre-assembled and ISO-certified, so deployment is **fast with minimal site work—ideal for remote, industrial, or temporary sites.**

- **Modular & Scalable:** Start small and grow smoothly from 250 to 3,000 m³/day. Additionally, link units to reach 20,000 m³/day.
- **Automated & Remote:** Smart PLCs, precise sensors, and automated valves reduce manual work. Also, remote access lets you monitor and control the plant anytime, anywhere. Therefore, daily performance remains stable and reliable.
- **High Recovery & Low Energy:** The design targets up to 85% recovery with low energy demand. In practice, low-pressure membranes and efficient hydraulics keep power use and OPEX down.

Configurations

Model	Typical Daily Capacity (m^3/day)	Footprint (Container)
CBR-500	~500	40'
CBR-800	~800	2 X 40'
CBR-1000	~1,000	2 X 40'
CBR-1500	~1,500	2 X 40'
CBR-2000	~2,000	2 X 40'
CBR-3000	~3,000	3 X 40'

Typical Design Basis

Raw Water Parameters

Parameters	BWRO	Unit
TDS	< 2500	ppm
Temp	25	c

Treated Water Parameters

Parameters	BWRO	Unit
TDS	< 150	ppm
Temp	25	c

*feed & product water quality shall be finalized based on customer inlet water analysis

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engineering simplicity to solve water complexity

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