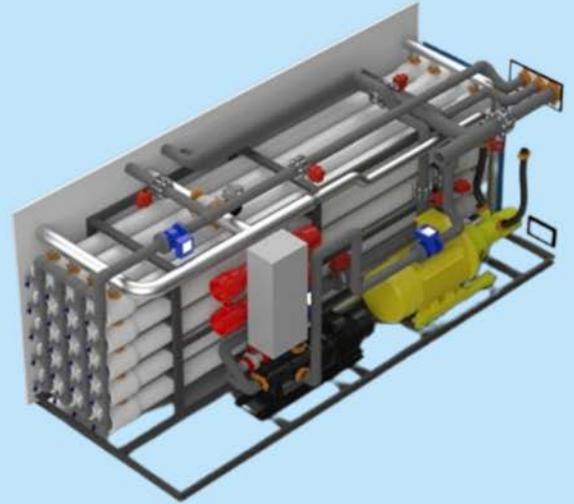


triwa

for water technologies

Introducing:
CSR™ series

Modular, Plug &
Play Desalination
Plants



CSR™: A Modular, Plug & Play Solution For Sea Water Desalination

Sea water Containerized RO systems are designed for efficient and reliable purification of brackish and seawater. These systems have a capacity range of 800 m³/day to 2,000 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.



SWRO Models:

- **CSR-800: 800 m³/day**
- **CSR-1000: 1000 m³/day**
- **CSR-1500: 1500 m³/day**
- **CSR-2000: 2000 m³/day**

Typical Equipment Selection

CSR™	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	
Acid Dosing	X	
High Pressure Pump	X	
Energy Recovery Device (turbo or PX)	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 CSR™ ?

Triwa's **CSR Series** are advanced, plug-and-play CSR modular seawater desalination systems engineered for reliable use in marine and coastal areas across. Moreover, every unit arrives fully pre-assembled and ISO-certified. 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.
- **Energy Efficiency:** Integrated PX or turbo energy recovery reduces power use and running cost. Moreover, recovered pressure energy boosts efficiency and lowers lifecycle cost—ideal for steady, long-term use.

Configurations

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

Typical Design Basis

Raw Water Parameters

Parameters	SWRO	Unit
TDS	< 40,000	ppm
Temp	30	c

Treated Water Parameters

Parameters	SWRO	Unit
TDS	< 500	ppm
Temp	30	c

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

triwva

for water technologies

**engineering simplicity to solve water
complexity**

TALK TO US

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