



BLUE BOX™ SERIES

INDUSTRIAL BRACKISH RO SYSTEM
6 M³/D to 24 M³/D

Designed for a variety of industrial applications | Pre-engineered, pre-assembled and factory tested units | Modular design for ease of installation



STANDARD FEATURES

- Powder coated mild steel frame
- 4" TFC spiral wound membranes
- Stainless steel multi-stage pump with TEFC motor
- FRP membrane housings
- 5 micron cartridge prefilter
- 220V/1ph/50Hz power requirement
- Microprocessor based control panel
- Programmable time delay and set points
- LCD screen
- Motor starter
- Low pressure switch
- High pressure switch
- Liquid filled pressure gauges
- Permeate conductivity monitor
- Permeate & concentrate flow meters
- Anti scalent dosing
- Automatic multigrade prefiltration system

AVAILABLE OPTIONS

- IoT enabled
- Remote monitoring
- Feed water conductivity monitor
- CIP
- Automatic hourly flush
- TDS modulator
- Export crating
- 440V/3ph/50Hz
- Product tank level switch
- Feed pH monitor with sensor
- Feed ORP monitor with sensor
- Water and hour meters
- Chemical dosing systems
- Ozonation and UV sterilization systems
- Water softeners
- Post deionization polishers

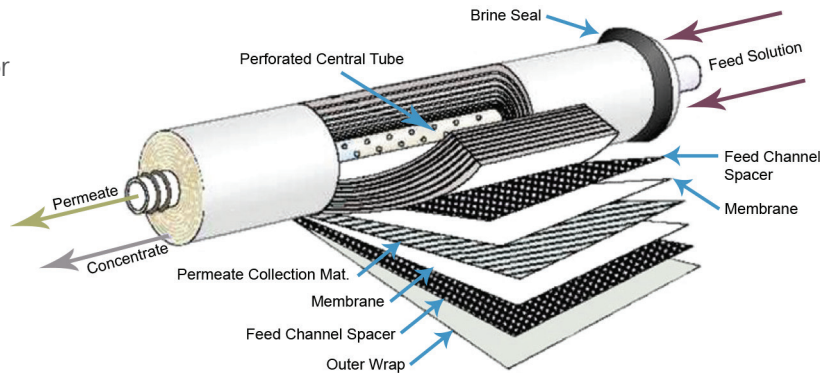
WAE supplies a full line of standard and fully customizable reverse osmosis systems, all of which are engineered using advanced 3D computer modeling and process design software.

INDUSTRIAL BRACKISH RO SYSTEMS

CAPACITY: 6 M³/D to 24 M³/D

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The spiral membrane is constructed from one or more membrane envelopes wound around a perforated central tube. The permeate passes through the membrane into the envelope and spirals inward to the central tube for collection.



SPECIFICATIONS

- Max. feed water temperature: 42°C
- Feed water pressure: 20 to 80 psi
- Operating pressure: 150 to 250 psi
- Max. iron content: 0.05 ppm
- Feed water TDS: 0 to 3,000
- Equipment upgrade for TDS over 3,000 ppm
- pH tolerance range: 3-11
- Max. Silica Tolerance: 60 ppm @ 60% recovery
- Operate at higher TDS by lowering recovery

Model	Permeate Flow Rate		Quantity of 4" Membrane	Motor Rating at 1,000 ppm		Approx. Weight (lbs)	Dimensions* W"x D"x H"
	LPH	M ³ /D		60 Hz (kw)	50 Hz (kw)		
WAE BLUE BOX 250	250	6	1	5	4	2,300	650x1400x1525
WAE BLUE BOX 500	500	12	2	7.5	4	2,350	650x1615x1525
WAE BLUE BOX 750	750	18	3	7.5	5.5	2,400	850x1710x1890
WAE BLUE BOX 1000	1000	24	4	7.5	7.5	2,500	850x1710x1890

Model name is suffixed with BW in case feed water TDS exceeds 2000 ppm.

Model name is prefixed with E for economy series and MD for medium duty machines.

WAE also supplies: Custom Engineered Solutions, Multimedia Pretreatment, Activated Carbon Pretreatment, Water Conditioning, Chemical Dosing Systems, Ultraviolet (UV) Sterilizers and Ozonation Systems.

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Complies to International Standard & Directives:

BIS 10500:2012 Potable water standard applicable to bottled water

CE Meets EU consumer safety, health or environmental requirements

EC 852/2004 For good hygienic practice

RoHS Compliant with restricted use of hazardous substance in products



Certified OEM on Government e-marketplace, India



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