



Advanceesmedia



Advanced Equipment  
And Services Inc



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# ADVANCED

EQUIPMENT AND SERVICES

## MEDIUM BRACKISH REVERSE OSMOSIS SERIES (MBWRO) - COMMERCIAL BRACKISH WATER SYSTEMS -

Our Brackish Water Reverse Osmosis portfolio includes systems to fit needs in medium size projects in the industrial and commercial industry. Our Brackish Water systems can come Skid mounted or fully Containerized, Solar option also available. Standard series for the Medium Brackish water systems are described below; however, we can also customize your unit based on your unique water requirements.

### TECHNICAL SUPPORT

Commissioning, Start-up, operators training, maintenance training, retrofits and modernization are available

### ZERO DOWNTIME

We supply all the basic two years critical spare parts with our units. Well-known and proved components are used in all of our systems.

### TURNKEY SOLUTIONS

We can provide the basic RO systems plus all pretreatment and Post treatment such as:

- Chemical injection systems
- Multimedia systems.
- Calcite contact tanks
- Ozono generators
- UV disinfection
- H2S removal

For more information on any of our products or services please visit us on the Web at:

[www.advancees.com](http://www.advancees.com)

Ph +1 954 8571895 USA

DESIGNED AND ENGINEERED



IN THE USA



### CONTAINERIZED

Works in the most harsh and corrosive conditions



### SKID MOUNTED

Easy to transport and install, with small footprint for reduced space



### SOLAR/HYBRID

Ensure operation with our full solar or hybrid system

**REMOTE MONITORING  
INCLUDING IN ALL  
OUR SYSTEMS!**

### KEY FEATURES:

- Premium quality
- Continuous operation
- Harsh duty
- Corrosion resistant features
- Industrial grade components
- 3 years prorated membrane warranty
- Easy to read and operate controls
- Advances customization available
- Backed by years of RO design experience

### TYPICAL INDUSTRIES:

- Drinking water
- Beverage/ Bottle water
- Food Processing
- Pharmaceutical
- Electronics productions
- Automotive
- Boiler feedwater
- Cooling tower make-up
- Chemical manufacturing
- Metal finishing
- Large scale irrigation
- And many other industrial and commercial applications

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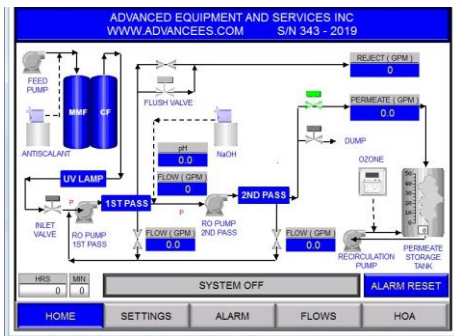
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## STANDARD FEATURES:

- Stainless Steel Multistage Pump
- PLS driven control panel & VDF
- 7" HMI for operator interface
- Heavy Duty FRP or Stainless-Steel Pressure Vessels
- Powder Coated Frames
- Nema 4X electrical equipment
- 5 Micron Sediment Pre-filter
- Product TDS Monitor
- Permeate/ Concentrate Flowmeters
- High-and-Low Pressure Protection
- Automatic Inlet Valve
- Pre and Post Flush
- Pretreatment Lockout
- Factory Performance Tested
- Sample Valves
- Pressure Gauges
- Automatic feed water flush on startup
- Digital flow meter
- TEFC electric motors

Remote Control Monitor included in every unit:



## OPTIONAL FEATURES:

- Automatic product water flush on shutdown
- Conductivity monitor/ controller driven product diverter valve to dump unacceptable water
- Energy recovery system (Turbo or Pressure exchangers)
- Passivation treatment of all welded SS316L, Super Duplex S.S piping
- Pressure transducers

## ADDITIONAL FEATURES:

- EDI Electrode-ionization
- Ultrafiltration
- Recirculation
- Automatic blending
- ORP
- Ozone Injection
- Tube setting system
- UV sterilization
- Chlorination
- Dichlorination
- PH adjusts
- MM filters (sand, anthracite, activate carbon)
- Ion exchanger
- Turbidity monitor
- Chemical Injection System
- Suction and discharge pulsation damper

DESIGNED AND ENGINEERED



IN THE USA

Pre-designed and pre-engineered Systems for the Medium Brackish Water Series:

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Model	Performance					
	Output		Product	Feed	Reject	Recovery
	GPD	M3/D	GPM	GPM	GPM	%
MBWRO-0022	22000	83.7	15.3	25.5	10.2	61
MBWRO-0030	30000	114.1	20.8	34.7	13.9	61
MBWRO-0045	45000	171.1	31.3	52.2	20.9	61
MBWRO-0060	60000	228.1	41.7	59.6	17.9	70
MBWRO-0090	90000	342.2	62.5	89.3	26.8	70
MBWRO-0110	110000	418.3	76.4	109.1	32.7	70
MBWRO-0125	125000	475.3	86.8	124.0	37.2	70
MBWRO-0150	150000	570.3	104.2	104.2	44.7	70
MBWRO-0175	175000	665.4	121.5	121.5	52.1	70

Model	Specifications							
	Membranes		Weight		System Size	Connections Size (Inch)		
	Qty	Size	lbs.	Kgs.	Inch	Feed	Product	Reject
MBWRO-0022	3	8"	810	367	41X32X73	1.25"	1"	1"
MBWRO-0030	4	8"	1150	520	122X38X67	1.50"	1.25"	1"
MBWRO-0045	6	8"	1400	633	162X38X67	2"	1.50"	1.25"
MBWRO-0060	8	8"	1710	774	202X38X67	2"	1.50"	1.25"
MBWRO-0090	12	8"	2100	950	202X38X67	2.5"	2"	1.5"
MBWRO-0110	15	8"	2500	1131	242X38X67	3"	2.5"	1.5"
MBWRO-0125	18	8"	2800	1267	280X42X67	4"	3"	2"
MBWRO-0150	20	8"	2900	1312	242X42X67	4"	3"	2"
MBWRO-0175	24	8"	3200	1448	280X42X67	4"	3"	2.5"