

## MEDIUM SEAWATER REVERSE OSMOSIS SERIES (MSWRO) - COMMERCIAL SEAWATER SYSTEMS -

Our Commercial Seawater Reverse Osmosis portfolio includes systems to fit needs in medium size projects. Our Seawater Desalination systems can come with Solar, Skid, and Containerized options. Standard series are described below; however, we can customize your unit based on your unique requirements.



### 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

### TECHNICAL SUPPORT

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

### MOBILE & STATIONARY OPTIONS 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:

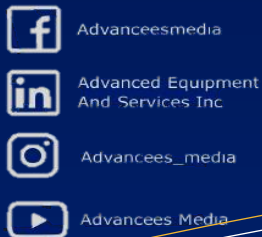
[www.advancees.com](http://www.advancees.com)

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IN THE USA



## STANDARD FEATURES:

- Duplex SS-high pressure pipe lines
- PVC sch 80- LOW pressure pipe lines
- Powder coated frames.
- Pressure exchanger or Turbo charger as energy recovery device
- Thin film composite membranes
- FRP pressure vessels pump
- PLC driven control panel & VDF
- PDP energy efficient pump
- Product TDS meter
- Low- & High-pressure protection
- Permeate & concentrate flowmeters
- Low membrane flux < 10 GFD
- Remote Control Monitoring
- Automatic product water flush on shutdown

## 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

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Model	Performance					
	Output		Product	Feed	Reject	Recovery
	GPD	M3/D	GPM	GPM	GPM	%
MSWRO-0026	25999	94.6	18.1	60.2	42.1	30
MSWRO-0035	34998	132.0	24.3	65.7	41.4	37
MSWRO-0066	66000	250.0	45.8	114.6	68.8	40
MSWRO-0087	87000	329.0	60.4	151.0	90.6	40
MSWRO-0106	105981	401.0	73.6	184.0	110.4	40
MSWRO-0132	132000	500.0	91.7	229.2	137.5	40

Model	Specifications								
	Membranes		Pump HR	Weight		System Size	Connections Size (Inch)		
	Qty	Size		Ibs.	Kgs.	Inch	Feed	Product	Reject
MSWRO-0026	6	8"	30	1300	591	170X38X67	2"	1.25"	1.50"
MSWRO-0035	8	8"	40	1500	682	170X38X67	2"	1.25"	1.50"
MSWRO-0066	15	8"	50	2650	1205	170X38X67	3"	2"	2.25"
MSWRO-0087	20	8"	75	3100	1410	210X48X67	3"	2"	2.5"
MSWRO-0106	24	8"	100	3850	1410	260X52X67	4"	2.5"	3"
MSWRO-0132	30	8"	125	4650	2114	290X52X67	4"	2.5"	3"