

## MEDIUM & LARGE BRACKISH WATER SYSTEMS

Figures based on 1000 mg/l TDS, 25C. All dimensions and weights are subject to revision

Recovery can be increased with recirculation loops

Larger units are available under request



Global provider of custom skid-mounted water purification equipment

### PERFORMANCE

Unit	GPD	Output		Feed		Product		Reject		Recovery
		M3/D	GPM	GPM	GPM	GPM	GPM			
M-BWRO-4	4000	15.2	6.8	2.8	4.0	41				
M-BWRO-5	5000	19.0	7.2	3.5	3.8	48				
M-BWRO-7	7000	26.6	9.2	4.9	4.3	53				
M-BWRO-10	10000	38.0	13.1	6.9	6.2	53				
M-BWRO-15	15000	57.0	18.0	10.4	7.5	58				
M-BWRO-22	22000	83.7	25.0	15.3	9.8	61				
M-BWRO-30	30000	114.1	34.2	20.8	13.3	61				
M-BWRO-45	45000	171.1	51.2	31.3	20.0	61				
M-BWRO-60	60000	228.1	59.5	41.7	17.9	70				
M-BWRO-90	90000	342.2	89.3	62.5	26.8	70				
M-BWRO-110	110000	418.3	109.1	76.4	32.7	70				
M-BWRO-125	125000	475.3	124.0	86.8	37.2	70				
M-BWRO-150	150000	570.3	148.8	104.2	44.6	70				
M-BWRO-175	175000	665.4	173.6	121.5	52.1	70				
M-BWRO-220	220000	836.5	218.3	152.8	65.5	70				



### SPECIFICATIONS

Unit	Qty	membranes		Pump	Weight		Size		Feed	Product	Reject
		Size	HP		lbs	Kgs	Inch	cm			
M-BWRO-4	3	4x40	2	395	179	36x19x71	91x48x180	0.75	0.5	0.5	
M-BWRO-5	4	4x40	2	410	186	36x19x71	91x48x180	0.75	0.5	0.5	
M-BWRO-7	5	4x40	3	433	196	36x19x71	91x48x180	0.75	0.5	0.5	
M-BWRO-10	7	4x40	3	570	258	36x25x71	91x64x180	1	0.75	0.75	
M-BWRO-15	11	4x40	3	630	285	36x25x71	91x64x180	1.25	1	0.75	
M-BWRO-22	3	8x40	5	810	367	41x32x73	104x81x180	1.25	1	1	
M-BWRO-30	4	8x40	5	1150	520	122x38x67	310x97x170	1.5	1.25	1	
M-BWRO-45	6	8x40	7.5	1400	633	162x38x67	410x97x170	2	1.5	1.25	
M-BWRO-60	8	8x40	7.5	1710	774	202x38x67	513x97x170	2	1.5	1.25	
M-BWRO-90	12	8x40	15	2100	950	202x38x67	513x97x170	2.5	2	1.5	
M-BWRO-110	15	8x40	15	2500	1131	242x38x67	615x97x170	3	2.5	1.5	
M-BWRO-125	18	8x40	20	2800	1267	280x42x67	711x107x170	4	3	2	
M-BWRO-150	20	8x40	20	2900	1312	242x42x67	615x107x170	4	3	2	
M-BWRO-175	24	8x40	25	3200	1448	280x42x67	711x107x170	4	3	2.5	
M-BWRO-220	30	8x40	30	3600	1632	280x42x67	711x107x170	4	3	2.5	

BW Reverse Osmosis Systems  
For brackish water desalination  
**Water treatment**



# Fresh water with exceptional quality and performance

## TECHNOLOGY AT WORK FOR YOU

Advanced Equipment and Services is a global provider of custom skid-mounted brackish water reverse osmosis systems that includes many standard features which make them suitable for the most demanding applications.

The steady growth and continuous success of the company is premised on innovative designs and quality without compromise. Our systems give you the reliability, durability and performance you expect. We always incorporate the most advanced and reliable components to ensure you achieve the lowest operating cost during the whole system life.

### OUR STANDARD MODEL SIZE RANGE

- 4000 to 660,000 GPD

### BWRO – BENEFITS

- Lower power consumption
- Low chemical consumption
- Heavy duty materials
- Easy to operate and maintain systems
- 100% automatic operation
- Design for continuous operation
- Well proved components available worldwide...



### STANDARD FEATURES

- 316 SS - HIGH PRESSURE PIPE LINES
- PVC SCH 80 - LOW PRESSURE PIPE LINES.
- POWDER COATED FRAMES.
- THIN FILM COMPOSITE MEMBRANES.
- FRP PRESSURE VESSELS.
- FLUSH AND CLEANING PUMP.
- PLC CONTROL.
- ENERGY EFFICIENT PUMP.
- PRODUCT TDS METER.
- LOW & HIGH PRESSURE PROTECTION.
- PERMEATE & CONCENTRATE FLOWMETERS.
- LOW MEMBRANE FLUX

## flexible solutions for your business needs

### ADVANCED ANCILLIARY EQUIPMENT

We know that you are looking for comprehensive solution where the reverse osmosis system is just one component in the puzzle. For this reason we offer a complete line of ancillary equipment such as:

- Feed pumps
- Feed pump skids controlled by RO plc.
- Multimedia filters with manual or automatic operation.
- Chemical feed systems.
- UV sterilizers.
- Ozone systems.
- Permeate pump skids.
- Reject injection pumps.
- CIP – cleaning in place systems

### ADVANCED EQUIPMENT AND SERVICES PROVIDES THE BEST RETURNS YOUR INVESTMENT.

### OPTIONAL FEATURES

Our standard units are design with very robust components but we understand that some customers have different needs for this reason.

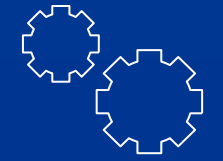
We can offer the following optional components:

- Centrifugal or reciprocating pumps
- Energy recover unit.
- Explosion proof systems for class I div II areas.
- Data acquisition and logging systems.
- Special instrumentation
- Diesel drives systems.
- Remote control.
- Remote monitoring.



### TYPICAL APPLICATIONS

- Remote islands.
- Municipal
- Beverage and Bottling
- Hotels and Resorts
- Industrial
- Irrigation



### CUSTOM SOLUTIONS

If you don't find what you are looking for your desalination project, Please feel free to send us the specification; we can built it with the reliability, durability and performance you need. We provide comprehensive solutions to water problems not just hardware.



### WEB SOLUTIONS

Check us at [www.advancees.com](http://www.advancees.com) for the latest updates regarding new developments in the water desalination world and other related and important information.



### CONTACT US:

For easy and fast respond, please send all your inquiries to [sales@advancees.com](mailto:sales@advancees.com) and shortly after one of our personnel will be in contact to discuss and answer your needs.

