

SMALL & MEDIUM SOLAR BRACKISH WATER DESALINATION SYSTEMS
ENERGY RECOVERY SYSTEM: PRESSURE EXCHANGER



Global provider of custom skid-mounted
water purification equipment

PERFORMANCE

MODEL	PERMEATE	PERMEATE	PERMEATE	FEED FLOW	RECOVERY RATE	SOLAR	
	DAY TIME	NIGHT TIME	TOTAL			PANELS	
	*	**				***	
	GPD	GPD	GPD	GPM	% MAX	QTY	
SBW-45	14850	30150	45000	7.10	48.08	65	10
SBW-60	19800	40200	60000	9.46	59.52	70	20
SBW-175	57750	117250	175000	27.60	173.61	70	40
SBW-216	71280	144720	216000	34.07	200.00	75	60
SBW-250	82500	167500	250000	39.43	231.48	75	100
SBW-288	95040	192960	288000	45.42	266.67	75	100

SPECIFICATIONS #

MODEL	FEED PUMP	RO PUMP	INLET	PRODUCT	REJECT	WEIGHT	OPTIONS
	POWER	POWER	SIZE	SIZE	SIZE		****
	HP	HP	INCHES	INCHES	INCHES		LBS
SBW-45	0.5	5	2	2	1.5	3500	SKID
SBW-60	1	7.5	2	2	1.5	3900	SKID
SBW-175	2	15	4	3	2	4900	SKID
SBW-216	3	20	4	3	2	6800	CONTAINER
SBW-250	5	25	4	3	3	8900	CONTAINER
SBW-288	5	30	6	4	3	10960	CONTAINER

* Daily production vary accordingly with sun radiation

** Optional with the transfer switch option

*** Based on 340w 72Cells monocrystal Solar Panel

**** Containerized option available for all

Based on TDS<1000 @ 25C - Consult with us if higher TDS is required.



Solar Reverse Osmosis Systems
For Brackish Water
Skid and Containerized

Desalination

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Fresh water

TECHNOLOGY AT WORK FOR YOU

Advanced Equipment and Services is a global provider of custom skid-mounted solar 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 advance and reliable components to ensure you achieve the lowest operating cost during the whole system life.

STANDARD FEATURES

- DUPLEX SS - HIGH PRESSURE PIPE LINES
- PVC SCH 80 - LOW PRESSURE PIPE LINES.
- POWDER COATED FRAMES.
- PX AS ENERGY RECOVERY DEVICE.
- THIN FILM COMPOSITE MEMBRANES.
- FRP PRESSURE VESSELS.
- FLUSH AND CLEANING PUMP.
- PLC CONTROL.
- DANFOSS - ENERGY EFFICIENT PUMP.
- PRODUCT TDS METER.
- LOW & HIGH PRESSURE PROTECTION.
- PERMEATE & CONCETRATE FLOWMETERS.
- LOW MEMBRANE FLUX < 10 GFD

flexible solutions for your business needs

ADVANCED ANCILLIARY EQUIPMENT

We know that you are looking for comprehensive solutions 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

TRAINING AND SERVICES

We provide a complete line of services that includes but not limited to commissioning, start-up support, operators training, trouble shooting training, modernization for old reverse osmosis systems and retrofits to achieve optimum performance.

OUR STANDARD MODEL SIZE RANGE

- 45,000 to 288,000 GPD

SBWRO – LAND BASE- PX BENEFITS

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

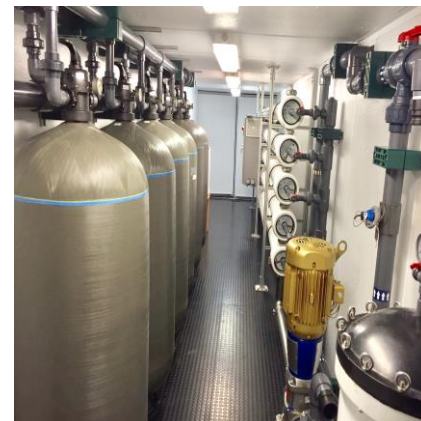
ADVANCED EQUIPMENT AND SERVICES PROVIDES THE BEST RETURNS YOUR INVESTMENT.

OPTIONAL FEATURES

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

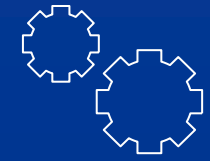
We can offer the following optional components:

- Centrifugal or reciprocating pumps
- Choke valve to replace 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 specifications; 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 for the latest updates regarding new developments in the water desalination world and other related and important information.



CONTACT US:

For easy and fast response, please send all your inquiry to sales@advancees.com and shortly after one of our personnel will be in contact to discuss and answer your needs.

