

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



Global provider of custom skid-mounted water purification equipment

PERFORMANCE

MODEL	PERMEATE DAY TIME *	PERMEATE NIGHT TIME **	PERMEATE TOTAL	FEED FLOW	RECOVERY RATE	SOLAR PANELS ***	AC VOLTAGE	DC VOLTAGE
	GPD	GPD	GPD M3H	GPM	% MAX	QTY		
SSW-4.8	1584	3216	4800 0.76	10.10	33	10	220	380
SSW-6.9	2277	4623	6900 1.09	14.52	33	20	220/380/460	760
SSW-9.9	3267	6633	9900 1.56	20.83	33	40	220/380/460	760
SSW-30	9900	20100	30000 4.73	63.13	45	60	220/380/460	760
SSW-39	12870	26130	39000 6.15	82.07	45	80	220/380/460	760
SSW-45	14850	30150	45000 7.10	94.70	45	100	220/380/460	760
SSW-66	21780	44220	66000 10.41	138.89	45	120	220/380/460	760

SPECIFICATIONS

MODEL	FEED PUMP POWER	RO PUMP POWER	BOOSTER PUMP POWER	INLET SIZE	PRODUCT SIZE	REJECT SIZE	WEIGHT	****
	HP	HP	HP	INCHES	INCHES	INCHES	LBS	
SSW-4.8	0.5	5	N/A SWPE	0.75	0.5	0.75	1500	SKID
SSW-6.9	1	7.5	N/A N/A	1.00	0.75	1	3800	SKID
SSW-9.9	2	15	N/A N/A	1.00	0.75	1	4200	SKID
SSW-30	3	20	5 ISAVE	2.00	1.5	1.5	13200	CONTAINER
SSW-39	5	25	7.5 ISAVE	2.50	1.5	2	13685	CONTAINER
SSW-45	5	30	7.5 ISAVE	2.50	1.5	2	14230	CONTAINER
SSW-66	5	40	7.5 ISAVE	3.00	2	2	15500	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

Specifications based on TDS<36000 @ 25C - Consult with Advanced if higher TDS is required.



Solar Reverse Osmosis Systems
For Seawater
Skid and Containerized

Desalination

www.advancees.com
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Fresh water from Sea

TECHNOLOGY AT WORK FOR YOU

Advanced Equipment and Services is a global provider of custom skid-mounted solar seawater desalination 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

- 4,000 to 66,000 GPD

SSWRO – SOLAR BASE- BENEFITS

- 40 – 50 % Lower power consumption
- Pressure exchanger as energy recovery device.
- Well proved components available worldwide
- Heavy duty materials
- Easy to operate and maintain systems
- 100% automatic operation
- Design for continuous operation
- Low chemical consumption
- No batteries required



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 & CONCENTRATE 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.

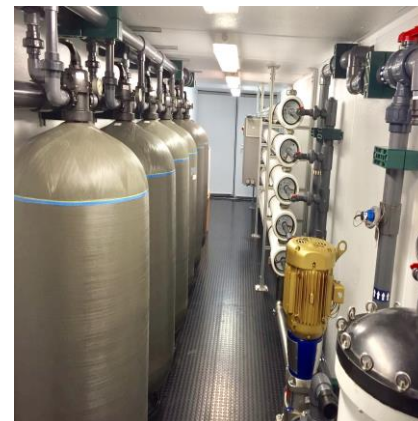
ADVANCED EQUIPMENT AND SERVICES PROVIDES THE BEST RETURNS YOUR INVESTMENT.

OPTIONAL FEATURES

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

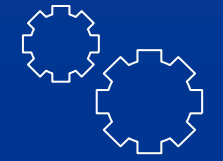
We can offer the following optional components:

- 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.

