

**MEDIUM & LARGE SEAWATER DESALINATION SYSTEMS
ENERGY RECOVERY SYSTEM: PRESSURE EXCHANGER**

Figures based on 37000 mg/l TDS, 25C. All dimensions and weights are subject to revision
Energy recover turbo can be provided upon request Larger units are available under request

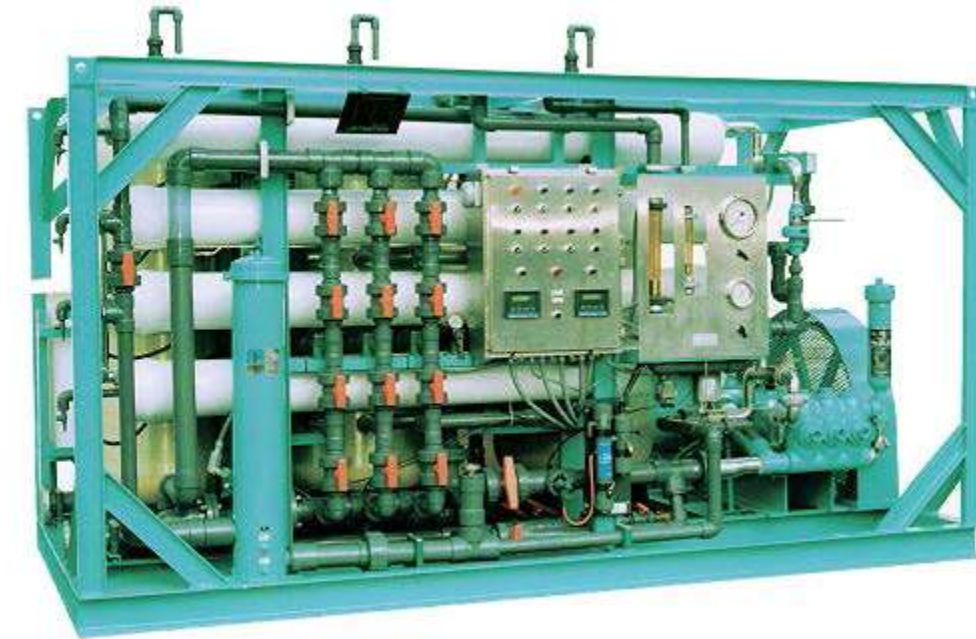
Global provider of custom skid-mounted
water purification equipment

PERFORMANCE

Unit	Feed PSI	Conc PSI	Δ PSI	Feed GPM	Permeate GPD	Permeate M3/D	Recovery
SW15GPD-PX	804	792	12.1	31	15000	98	35%
SW26GPD-PX	804	792	12.1	51	26000	98	37%
SW35GPD-PX	850	835	14.9	64	34999	132	40%
SW66GPD-PX	873	853	19.8	115	65994	250	40%
SW87GPD-PX	869	850	19.6	151	86998	329	40%
SW106GPD-PX	861	842	19.0	184	105970	401	40%
SW132GPD-PX	873	845	27.9	229	132010	500	40%
SW200GPD-PX	855	829	26.2	347	199963	757	40%
SW250GPD-PX	855	829	26.2	434	249954	946	40%

SPECIFICATIONS

Unit	membranes Qty	Membrane Skid	Weight lb.	Inlet Size (inch)	Product Size (inch)	Reject Size (inch)
SW15GPD-PX	4	170 x 38 x 67	1300	2.00	1.25	1.50
SW26GPD-PX	6	170 x 38 x 67	1300	2.00	1.25	1.50
SW35GPD-PX	8	210 x 48 x 67	1500	2.00	1.25	1.50
SW66GPD-PX	15	170 x 48 x 67	2650	3.00	2.00	2.50
SW87GPD-PX	20	260 x 52 x 67	3100	3.00	2.00	2.50
SW106GPD-PX	24	260 x 52 x 67	3850	4.00	2.50	3.00
SW132GPD-PX	30	290 x 52 x 67	4650	4.00	2.50	3.00
SW200GPD-PX	42	290 x 52 x 67	5700	4.00	3.00	4.00
SW250GPD-PX	60	290 x 52 x 67	7300	6.00	3.00	4.00



**SW Reverse Osmosis Systems
For seawater desalination
Off Shore base - PX**



Fresh water from Sea

TECHNOLOGY AT WORK FOR YOU

Advanced Equipment and Services is a global provider of custom skid-mounted 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.

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

LOW MM FILTER FLUX < 6 GFD

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

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

- 15,000 to 250,000 GPD

SWRO – OFF SHORE- PX 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
- Typically power 7.5 to 8.2 Kwh/1000 gallons



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.

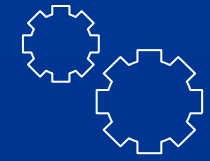
We can offer the following optional components:

- 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

- Off shore drilling rigs.
- FPSO ships
- Off shore production rigs
- Off shore living quarters
- Tankers



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 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 and shortly after one of our personnel will be in contact to discuss and answer your needs.

