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

Figures based on 37000 mg/I TDS, 25C. All dimensions and weights are subject to revision

AD
EQUIPN

Global provider of custom skid-mounted water purification equipment

PERFORMANCE							
	Feed	Conc		Feed	Permeate	Permeate	
Unit	PSI	PSI	$\Delta\mathrm{PSI}$	GPM	GPD	M3/D	Recovery
SW26GPD-PX	804	792	12.1	60	26000	98	30%
SW35GPD-PX	850	835	14.9	66	34999	132	37%
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%
SW500GPD-PX	855	829	26.2	868	499909	1892	40%

SPECIFICATIONS

	membranes	Membrane Skid	Weight	Inlet	Product	Reject
Unit	Qty		lb.	Size (inch)	Size (inch)	Size (inch)
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
SW500GPD-PX	114	290 x 66 x 67	9900	8.00	4.00	6.00



desalination Ph. 954-857-1895 - www.advancees.com

MENT AND SERVICES

SW Reverse Osmosis Systems For seawater desalination Land 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 advance and reliable components to ensure you achieve the lowest operating cost during the whole system life.

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 us:

- Feed pumps
- Feed pump skids controlled by RO plc.
- · Multimedia filers with manual or automatic operation.
- · Chemical feed systems.
- UV sterilizers.
- · Ozone systems.
- · Permeate pump skids.
- · Reject injection pumps.

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

SWRO - LAND BASE- PX BENEFITS

- 15.000 to 660.000 GPD
- 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
- 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

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

- · CIP cleaning in place systems





• PRODUCT TDS METER. LOW & HIGH PRESSURE PROTECTION.

DANFOSS - ENERGY EFFICIENT PUMP.

THIN FILM COMPOSITE MEMBRANES.

• FRP PRESSURE VESSELS.

• PLC CONTROL

• FLUSH AND CLEANING PUMP.

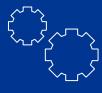
PERMEATE & CONCETRATE FLOWMETERS

ERY DEVICE.

LOW MEMBRANE FLUX < 10 GFD







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 inquires to sales@advancees.com and shortly after one of our personnel will be in contact to discuss and answer your needs