

## SWHP HIGH PURITY SEAWATER REVERSE OSMOSIS DESALINATION SYSTEMS

Lifestream Watersystems Inc.'s line of Reverse Osmosis Desalination systems for producing high quality product water at less than 10 ppm TDS water from seawater is rapidly replacing evaporative type distillers in a wide variety of applications, such as production of boiler feed water, production of high purity water for fish and crab processing, production of water for bottled water plants as a source of turbine injection water and other industrial processing applications.

The systems utilize a two stage membrane process and offer the advantages of lower operating and maintenance costs, lower power consumption, lower weight, and smaller equipment size over evaporative distillation systems. Energy savings of up to 85% have been achieved over multistage flash evaporative purifiers. A standard line of equipment is shown with custom models available for larger capacity systems.

In the standard design, all systems are skid mounted as a single unit needing only power and water in, and wastewater out for installation. A customized modular arrangement is also available for situations where limited space is available for the unit, such as during retrofit of ships or factory processors. These units are also available in ISO containers.

Feel free to contact Lifestream for more information on high purity equipment to meet your specific needs.



**LIFESTREAM WATERSYSTEMS INC.**

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## SWHP – HIGH PURITY WATER REVERSE OSMOSIS DESALINATION SYSTEMS

Product Code:	<u>SWHP475</u>	<u>SWHP946</u>	<u>SWHP1260</u>	<u>SWHP10K</u>	<u>SWHP15K</u>	<u>SWHP20K</u>	<u>SWHP26K</u>	<u>SWHP31K</u>
Output:	3,000 GPD 475 LPH 11.4 TPD	6,000 GPD 946 LPH 22.7 TPD	8,000 GPD 1,260 LPH 30 TPD	10,000 GPD 1,577 LPH 38 TPD	15,000 GPD 2,367 LPH 56 TPD	20,000 GPD 3,156 LPH 75 TPD	26,400 GPD 4,136 LPH 100 TPD	31,600 GPD 4,963 LPH 120 TPD
Feed Rate:	6.5 GPM	14 GPM	14 GPM	17 GPM	26 GPM	45 GPM	52 GPM	62 GPM
Recovery:	32%	40%	40%	40%	40%	32%	35%	35%
Membranes:	3 Seawater – 4" 4 Brackish- 2 1/2"	6 Seawater – 4" 12 Brackish-2 1/2"	3 Seawater – 8" 8 Brackish – 4"	3 Seawater – 8" 8 Brackish – 4"	4 Seawater – 8" 8 Brackish – 4"	6 Seawater – 8" 12 Brackish – 4"	8 Seawater – 8" 12 Brackish – 4"	12 Seawater – 8" 12 Brackish – 4"
H. P. Pump:	5 HP / 1 1/2 HP	10 HP / 2 1/2 HP	15 HP / 5 HP	20 HP / 3 HP	20 HP / 5 HP	40 HP / 10 HP	40 HP / 10 HP	50 HP / 15 HP
Power Consumption:	7.5 KW	10 KW	16.5 KW	20 KW	22 KW	40 KW	40 KW	48 KW
Inlet & Waste:	1" 1/2"	1 1/2" 1"	1 1/2" 1"	1 1/2" 1"	2" 1"	2" 1"	2" 1"	2" 1 1/2"
Dim. (LxWxH):	47"x25"x16"	115"x60"x60"	115"x60"x60"	115"x60"x60"	132"x60"x66"	132"x66"x66"	132"x66"x66"	135"x72"x66"
Weight:	1,200 LBS.	1,900 LBS.	2,500 LBS.	2,600 LBS.	3,000 LBS.	3,500 LBS.	4,700 LBS.	5,800 LBS.

### LARGER SIZES ARE AVAILABLE ON REQUEST

PLEASE SPECIFY VOLTAGE, CYCLES & PHASE

ALL RATINGS BASED ON 42,000 PPM TDS, 25°C TEMPERATURE.

ABBREVIATIONS: METRIC TONS, LITERS, US GALLON PER DAY OR HOUR

LIMITED WARRANTY: ONE YEAR AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.