

Compact Seawater Desalination System

BAHAMAS model



CLEAN WATER - EASY AND FAST

PLUG AND DRINK



Technical Parameter:

Models	BAHAMAS 1.500GPD	BAHAMAS 3.000GPD
Capacity Day	1.500 GPD	3.000 GPD
Capacity Hour	60 GPH	120 GPH
Power	2.1 kW	2.2 Kw
Voltage	110V or 220 V – 60HZ 1PH or 3PH	110V or 220 V – 60HZ 1PH or 3PH
Inlet TDS	< 32.800 ppm	< 32.800 ppm
Salt rejection	99.7%	99.7%
Pressure	800 psi	800 psi
Dimensions	53" x 20" x 20"	53" x 24" x 20"
Weight	125 Lbs.	135 Lbs.

Basic Configuration:

MODELS	BAHAMAS 1.500GPD	BAHAMAS 3.00GPD
Membrane	SW4040 USA -01 unit	SW4040 USA - 02 units
Pre treatment	05 micron PP filter	
	01 micron PP filter	
After treatment	UV Esterilizer 12W (optional)	
	Activated Carbon filter	
Priming Pump (booster)	Body Stainless steel AISI 304 or ABS, suction lift up to 9 m , Head up to 40 m	
High pressure pump	AVT Piston pump, body in Brass or Stainless steel AISI 316	
Instruments	Pressure gauge	
	Flow meter	
Water quality	On line conductivity (optional)	
Frame	Solid Aluminum	
Control Panel	Manual operation or Automatic (PLC+IHM)	



Description:

Key Features

- New Design allows flexible installation
- Design can be custom according to the customer order
- Energy Efficient, low power consumption per gallon of product water
- Quiet Operation
- Online conductivity meter monitoring the output water quality any time(optional).
- Made in USA

System Pumps Included:

- Suction Feed pump will pull the seawater from any storage tank or direct from the sea.
- High efficiency Plunger Booster Pump for extended pre-filter life.

Noise Reduction Features:

- Vibration isolation mounts included.

Materials:

- Solid Aluminum frame with protection
- Fiberglass Reinforced High Pressure Membrane Vessel is stronger and eliminates corrosion.

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