

# Spectra Aquifer Expedition

**Efficient. Rugged. Essential.**

The New Aquifer Expedition is configured for Military, Disaster Relief and Expeditionary use. The Expedition is powered by a rugged submersible 24V pump that delivers the feed water to the Reverse Osmosis system, eliminating problems with water delivery from remote sources.

Spectra Watermakers has developed the simplest, quietest, most energy efficient, man-portable seawater RO system imaginable. Spectra's rugged Reverse Osmosis watermakers are engineered for the most austere conditions in the most remote areas where pure drinking water and mobility are vital. The Expedition system makes up to *200 gallons of purified fresh drinking water every day, in almost any climate, from nearly any water source!*



The system is encased in a military grade, shock resistant, non-corrosive case and powered by *any 24V DC source*. This system is so efficient that it can be run from a vehicle's electrical system, a solar panel, or battery bank.

Dependable under the most extreme conditions, the Spectra High-Pressure Intensifier will operate flawlessly throughout a wide range of temperatures and water conditions, without any adjustments or loss of product water output. With no electrical equipment inside the case, and constructed almost entirely of high density composites, it is corrosion resistant, whisper quiet, and extremely reliable. All this, while producing up to *8.5 Gallons of pure drinking water per hour on an incredible 4.5 Amps!*

## **Expedition 200**

- Feed water recovery: 10%
- Salt rejection: 99.4%
- Feed Flow: 1.5 GPM (5.6 LPM)
- Shurflo 9300 high head submersible well pump
- High Rejection Low Energy 2.5"x21" Seawater RO membrane
- Pre-Filtration: 1 ea. 5 micron
- Clark pump constructed of engineering plastics and composites.

## **Expedition 150**

*For Cold Water Applications. Designed to operate with feed water sources below 50 Degrees F (10C)*

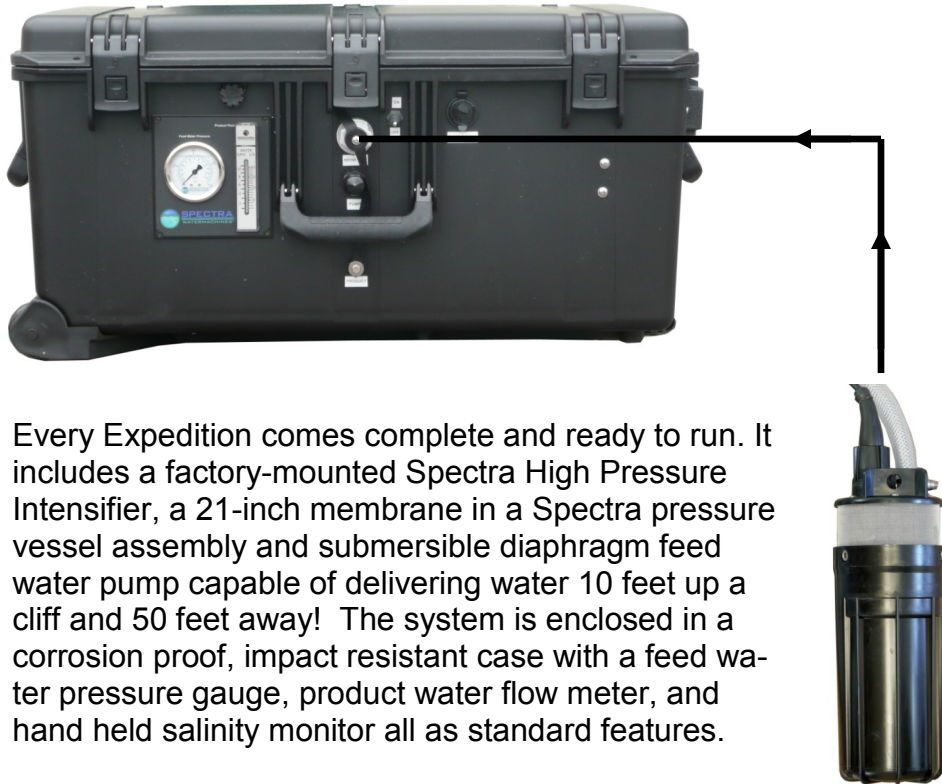
- Feed water recovery: 7%
- Salt rejection: 99.4%
- Feed Flow: 1.5 GPM (5.6 LPM)
- Shurflo 9300 high head submersible well pump
- High Rejection Low Energy 2.5"x21" Seawater RO membrane
- Pre-Filtration: 1 ea. 5 micron
- Clark pump constructed of engineering plastics and composites.



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Every Expedition comes complete and ready to run. It includes a factory-mounted Spectra High Pressure Intensifier, a 21-inch membrane in a Spectra pressure vessel assembly and submersible diaphragm feed water pump capable of delivering water 10 feet up a cliff and 50 feet away! The system is enclosed in a corrosion proof, impact resistant case with a feed water pressure gauge, product water flow meter, and hand held salinity monitor all as standard features.

### *Included with every system*

- Submersible well pump with 25' of hose, wiring harness and quick disconnect fitting. (50' option)
- 10' of brine discharge hose
- 15' of product water tubing
- 2 spare 5 micron filters
- Spectra SC-1 storage chemical
- Hand held salinity monitor



*The Expedition is available*

- *Army green*
- *Black*

*Custom colors require volume orders*

Spectra Watermakers engineers and builds a full line of marine, mobile and land based desalination systems for sea and brackish water. Many of our systems are custom built to meet our customer's needs and application. Please contact the factory with your requirements.

- *Compact*
- *Quiet*
- *Light Weight*
- *Efficient*
- *Self Contained*
- *Easy To Use*

### Dimensions

32" L x 21"W x 15.5" H

Weight 75 Lbs

812mm x 533mm x

394mm

Weight 34 Kg



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