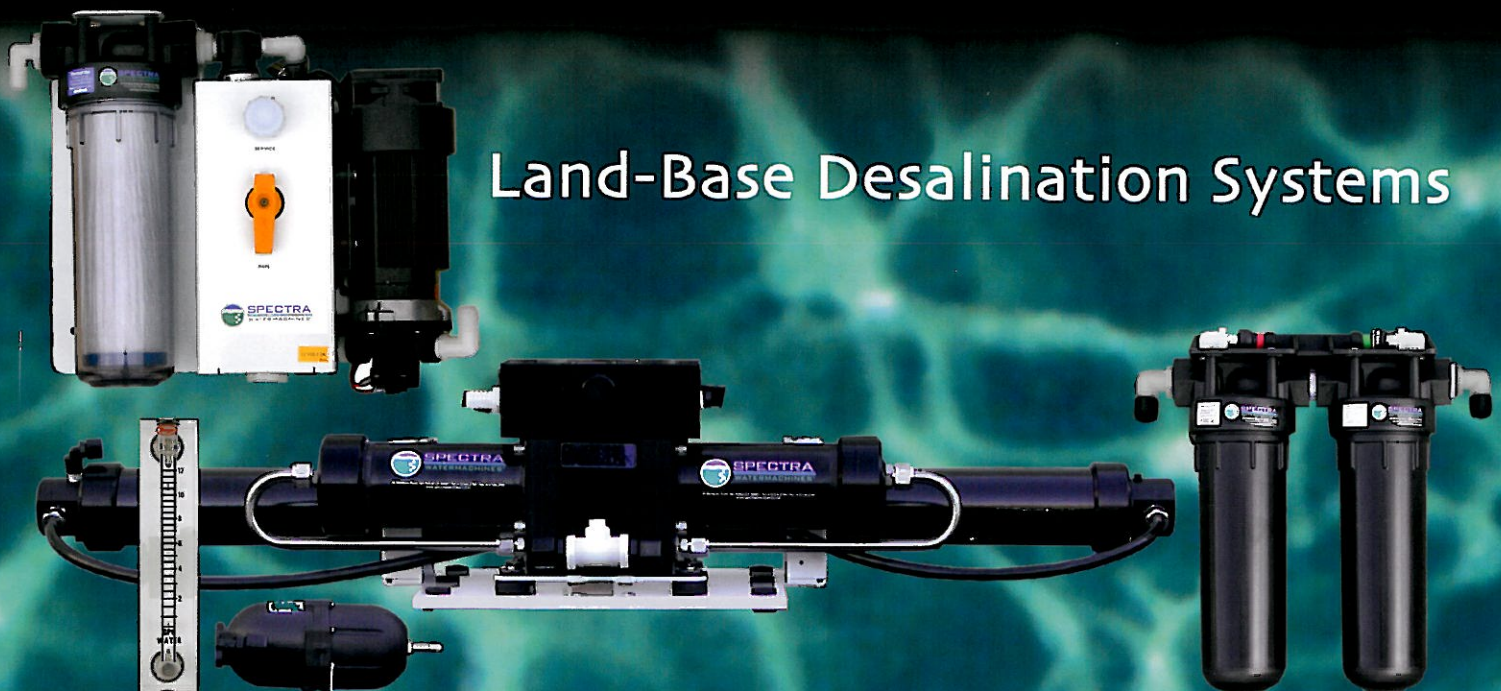




SPECTRA
WATERMAKERS

LB-400/800 Desalination System



Land-Base Desalination Systems

400 to 800 Gallons of Delicious Fresh Water per Day

LB-400 Fresh Watermaker

Reliable and Easy to Use

You can have fresh, pure water for drinking, showers or general home use and you can get it from brackish water or salt water in even the most remote locations.

Spectra's LB-400/LB-800 series can provide 16 to 32 gallons per hour from salt or brackish water. Want to build on a beach or bay front home with no water? No problem! Drilled a well on a site that came up brackish or salt water? No problem! Spectra Watermakers, Inc. has the solution.

LB-400 Fresh Water Made Simply

The LB-400 is simple to use, easy to install, quiet, very energy efficient and it delivers 16 gallons (60 liters) of fresh water per hour. Its ideal for use in dwellings on beaches and bays where salt water or brackish water is available. The system uses a special version of the exclusive **Spectra Clark Pump™** High Pressure Intensifier that has been proven for over ten years in thousands of land based and marine applications. The Spectra Clark Pump, unlike conventional systems, is a hydraulic pressure intensifier that derives its motive force for making water from a low pressure feed water source. The LB-400/800 utilizes a well pump to deliver the feed water and provide the power to desalinate water. Just one pump and motor in the well feeding the Spectra Clark Pump membrane module does the entire job. This makes for the simplest land based desalination system on the planet. The optional well pump runs on solar or low voltage DC power or you can supply your own pump to run on 120 or 240VAC grid power. LB-400/800 control systems can be manually switched or activated by an automatic timer system. It is also possible to operate the system with start and stop storage tank level switches.

Two LB-400s = 800 Gallons (3028 Liters) Daily

Two Spectra Clark Pump and membrane modules can be installed to increase the output capacity to 800 gallons per day by installing a larger well pump capable

of delivering the increased flow required. The LB-400 and 800 systems are supplied complete with the Spectra Clark Pump membrane module, filter assembly, feed water flow meter, pressure gauge and product flow meter, a hand held product quality test meter, plus fittings, hose and tubing. Controls are supplied by the installer.

The LB-400/800 has an optional freshwater flush system for extended membrane life. The service module contains a carbon filter to remove any additives from the flush water, a small feed pump adequate to force flush water through the membrane and a service port and valve for membrane cleaning if required.

Spectra Technology

Along with its superior efficiency the Spectra Clark Pump High-Pressure Intensifier maintains the proper pressures in the membrane throughout a wide range of temperatures and water conditions without any adjustments or loss of product-water output. The composite construction is corrosion resistant for superior reliability.

One year complete limited warranty is available through our worldwide distributor network.

LB-400/800 Component List

- High Pressure Clark Pump™ and 40" Membrane Module (LB-800 consists of two Clark Pumps & 40" Modules)
- Accumulator Tank
- Monitor Gauge Panel
- Installation Fittings Kit
- 25 feet (7.5 meters) 5/8" hose
- 50 feet (15 meters) 1/4" Product Water Hose
- Feed Water Flow Meter
- DF-I Pre-filter Assembly
- Product Sampling 3-Way Valve
- Brine Service Hose

- Options:**
- Flush/Service Module
 - Spectra Submersible Pump and Controller

For more information ask your distributor or call 415 526-2780

LB-400 System Layout

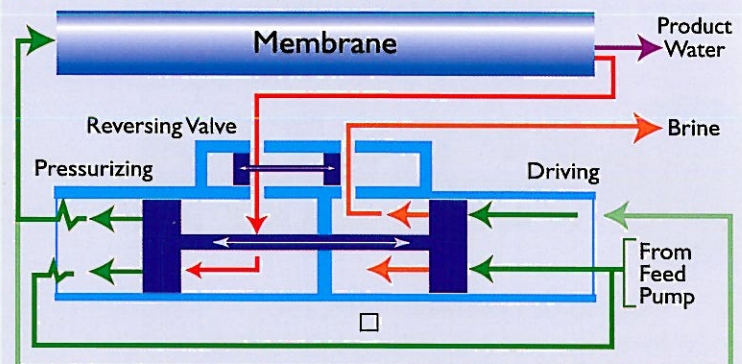


Have Questions?
Call Spectra 415 526-2780

Spectra's Exclusive Intensifier – Quiet, Efficient, Reliable

Spectra's Exclusive Two Stage Intensifier System Revolutionary Watermaking Development

In 1997 Spectra pioneered a new and highly efficient watermaker system. The Spectra Intensifier reduces energy consumption by as much as 75% over conventional systems. Units are constructed of modern composites and engineered plastics to deliver many years of quiet, reliable service. Spectra has tens of thousands of hours of field experience and a worldwide service network.



Got an unusual application? Call a Spectra Tech at 415 526-2780

Continued on reverse side

LB-400 & LB-800

Rated Capacity

LB - 400 & LB - 800 400/800 GPD (1500/3000 LPD) 17/34 GPH (64/128 LPH)

Rated at 77°F (25°C) Water Temperature at 35,000 PPM Dissolved Solids +/-15%

Power Requirements

LB - 400 Current Draw 24VDC/12.5A, Approximately 300W*, 110V/220V, Approximately 1000W*

LB - 800 Consult factory. Call 415 526-2780

*Note: Power requirements will vary depending on well depth

Dry Weight

LB - 400 76 Lbs (34.47 kg)

LB - 800 140 Lbs (70 kg)



The Optional Spectra Well Pump

Brushless Motor and Well Pump Controller

- Safe 24 VDC low voltage
- Operates from batteries or direct solar installation
- Brushless DC motor for long life
- Efficient Operation
- Maintenance free



Secluded Baja, Mexico Beach-Front Home Site



An Inexhaustible Source of Drinking Water



Spectra Watermakers, Inc.

20 Mariposa Road, San Rafael, CA 94901

phone: 415 526-2780 • fax: 415 526-2787

www.spectrawatermakers.com

Distributor