

500 Series Tank Diesel Fuel Filter/Water Separator



MODEL 500-BP
Diesel Fuel Filter/Water Separator

Designed primarily for large marine engines, storage facilities, island fuel pumps and other permanent installations.

Nearly 17,000 square inches (11 square meters) of filtering surface is provided by seven giant DAHL 501-W (10 Micron) elements. Because of the effective separation of water and dirt, the elements will give long service.

Specifications

- **Flow Resistance:**1.0 In. Mercury
- **Maximum Working Pressure:**.....15 PSI (103 kPa)
- **Temperature Range:**-60° to +250°F (-50° to +121°C)
- **Port Thread:**2 In. NPT
- **Height:**47 In. (1,194 mm)
- **Width:**28 1/2 In. (724 mm)
- **Depth:**22 In. (559 mm)
- **Element Removal Clearance:**.....10 In. (254 mm)
- **Sump Capacity:**11 U.S. Gallons (41.6 Liters)

Flow Rates

- **Single Model 500 Series:**
Recommended:.....1,800 GPH (U.S.) (6,813 LPH)
Maximum:1,920 GPH (U.S.) (7,268 LPH)
- **Double Model 500 Series:**
Recommended:.....3,600 GPH (U.S.) (13,626 LPH)
Maximum:3,840 GPH (U.S.) (14,536 LPH)
- **Multiple Units:**
Multiply Flow Rate and Sump Capacity by Number of Units

Service Parts

- **Elements:**
5014 Micron Nominal (20 Absolute) Element
501-W*5 Micron Nominal (25 Absolute) Element
501-309 Micron Nominal (40 Absolute) Element
- **Gaskets:**See Illustration
- **Form 4500:**
Installation, Operation, Parts & Service Information

500 Series Single Units

- 500** Diesel Fuel Filter/Water Separator
- 500-BP** Diesel Fuel Filter/Water Separator with Water Sensor Warning Light Kit — Equipped with a 110 Volt Electrical Connector.
- 500-BP22** Diesel Fuel Filter/Water Separator with Water Sensor Warning Light Kit — Equipped with a 220 Volt Electrical Connector. (For Overseas Operation)

500 Series Double Manifold Units

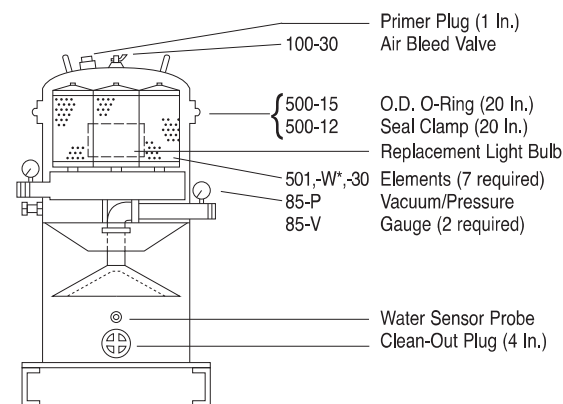
- 500-MFVBP22** Double Manifold Diesel Fuel Filter/Water Separator with Shut-Off Valves — Allows for continuous operation and Water Sensor Warning Light Kit. — Equipped with a 220 Volt Electrical Connector. (For Overseas Operation)

Used On

- Large Marine Diesel Engines
- Large Stationary Engines
- Storage Facilities
- Large Capacity Requirements
- Fuel Storage Tank Pumps

Features of 500-BP Unit

- Easy draining with convenient bleed and drain valves.
- Easy to service - simply remove the 20 inch seal clamp to remove the top lid assembly for element replacement.
- Easy priming because primer plug is at the top.
- Easy to clean - handy four inch clean-out hole.
- Ruggedly built of high quality heavy-gauge steel.
- Hand welded and pressure tested.
- Minimum mechanical flow resistance because of the streamlined fuel flow through the seven large centertubes.
- Troubleshooting vacuum/pressure gauges monitor inlet and outlet ports.
- The water sensor kit on the 500-BP alerts the operator by a light when the unit should be drained.



* Standard with Unit Unless Stated.



WARNING: These products can expose you to chemicals, including Diisononyl Phthalate, Carbon black extracts, Nickel, 1,3 Butadiene, Ethylene Oxide, Epichlorohydrin, which are known to the State of California to cause cancer, and Bisphenol-A, Ethylene Glycol, Ethylene Oxide, 1,3 Butadiene, Epichlorohydrin, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.