

EVO-10 Diesel Fuel Filter

Water Separator / Primary Filter

Max. Flow Rate: 158 GPH (600 LPH)

Benefits

- High separation efficiency with minimal pressure drop
- Easy to install
- Service and environment friendly
- Compact design with minimal weight (3.5 lbs)

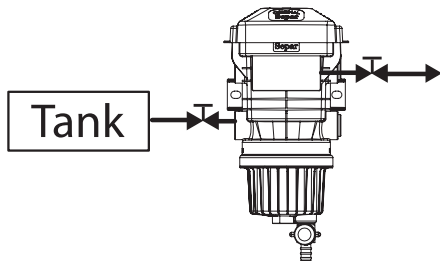
Ideal for

- Construction
- Transportation
- Off-Road Machinery
- Agricultural Applications
- Trucking

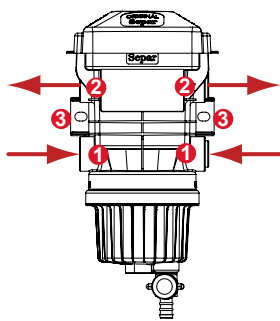
Options

- Water Sensor
- Hand priming Kit

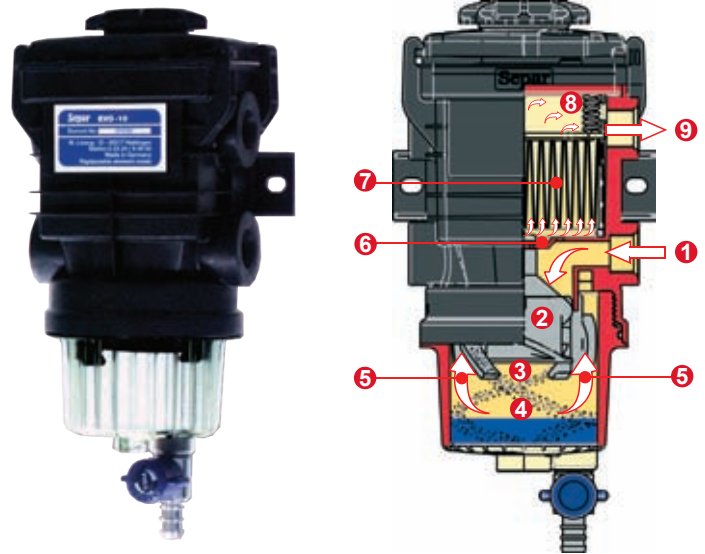
Installation



The filter has to be installed in the suction line (in between the tank and the fuel lift pump), however it does not matter whether the filter inlet is positioned above, level with, or below the maximum fuel level in the tank for the filter to function correctly. As a safety precaution we suggest installing a shut-off ball valve with full flow diameter between the fuel tank and the filter.



The filter should be attached to the mounting surface with suitable screws through the mounting brackets **3**. The inlets **1** and outlets **2** allow the fuel lines to be connected on the left and/or right side according to your requirements. The torque for the connection of fittings to the filter is 20 Nm or 175 in.-lbs.



How It Works

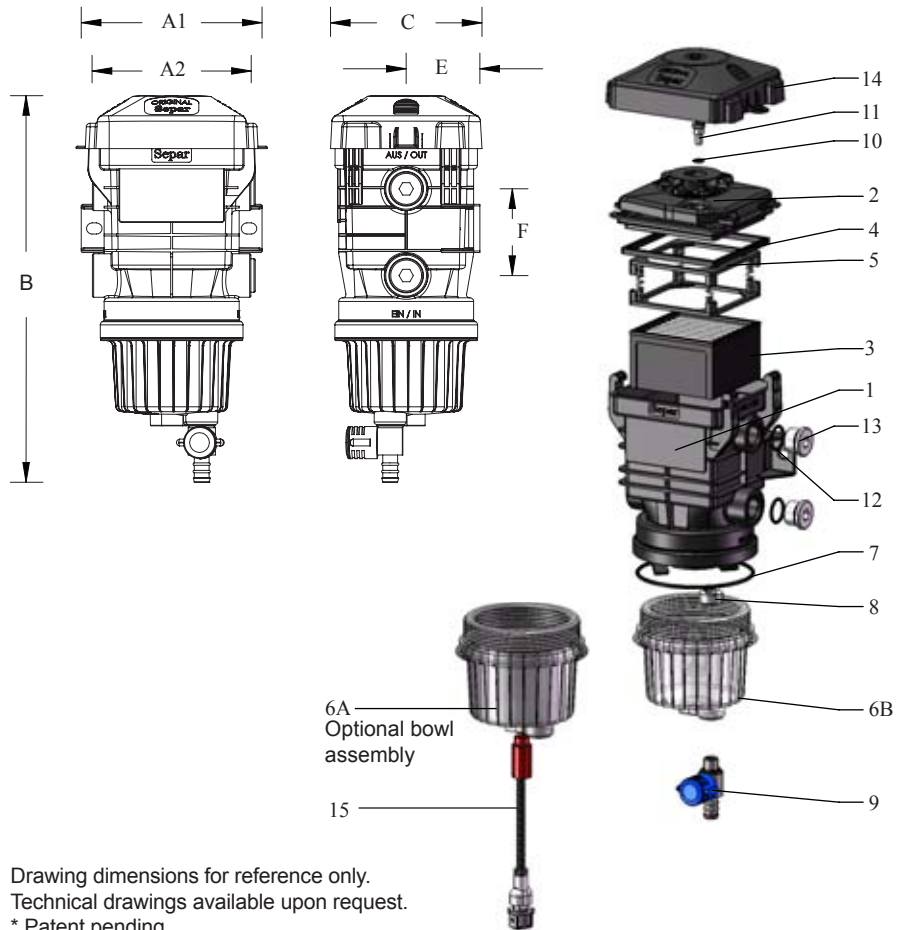
- 1** Fuel inlet
- 2** Rotational motion is induced in the fuel, while passing through the internal vanes.
- 3** The fuel exits the internal vane system and enters the filter bowl.
- 4** Due to the rotational energy, water and particulates separate from the fuel and settle at the bottom of the bowl.
- 5** The fuel is guided to the filter prechamber.
- 6** The large cross section of the prechamber results in the fuel flow velocity being reduced, allowing more particulate separation.
- 7** Suspended particulates and the finest water droplets are caught in the pleated media of the filter element.
- 8** The cleaned fuel passes to the outlet chamber.
- 9** Fuel outlet.

Inlet / Outlet Connections

Single Unit: 22 x 1.5 mm internal thread size









| Dimension | |
|-----------|------------------|
| A1 | 5.75" (144.8mm) |
| A2 | 5.06" (127mm) |
| B | 12.29" (312.4mm) |
| C | 4.82" (630mm) |
| D | 9.45" (240mm) |
| E | 2.34" (58.4mm) |
| F | 2.76" (71mm) |

| Item | Part # | Description |
|------|---------|---------------------------|
| 1 | 10531 | Filter Housing |
| 2 | 10532 | Filter Lid Sub Assembly |
| 3 | 01030 | Separ Filter Element |
| 4 | 10559 | Lid Gasket |
| 5 | 10537 | Spring Frame Sub-Assembly |
| 6A | 10541 | Bowl with Water Sensor |
| 6B | 10542 | Bowl |
| 7 | 10543 | Bowl Gasket, O-Ring |
| 8 | 10398 | Twin Hole Nut |
| 9 | 10544 | Drain Valve |
| 10 | 30558 | Seal Washer (USIT) |
| 11 | 30408 | Bleed Valve |
| 12 | 6408-10 | Plug O-Ring |
| 13 | 9028-22 | Blind Screw Plug |
| 14 | 10609 | Dust Cover |
| 15 | 10507-A | Active Water Sensor |



Drawing dimensions for reference only.
 Technical drawings available upon request.
 * Patent pending

Element Replacement Instructions

| | | | |
|--|---|--|---|
| <p>Step 1 Loosen the central tightening screw on the cover. Turn it until it reaches the stop position.</p>  | <p>Step 2 Release the lid with a gentle pressure and rotate it left so that it is free of the bayonet.</p>  | <p>Step 3 Remove the spring cassette. Pull the filter element out of the housing using the handle.</p>  | <p>Step 4 Dispose of the used filter element responsibly (according to local regulations).</p>  |
| <p>Step 5 Insert the new filter element.</p>  | <p>Step 6 Replace the spring cassette.</p>  | <p>Step 7 Reset the cover with a gentle downward pressure and a turn to the right. Check the correct location of the lid on the filter head.</p>  | <p>Step 8 Tighten the screw to a torque of 10 Nm or 88 in-lbs. Prime the fuel system.</p>  |