EBB Air Cleaners

Air in the Side, out the End (standard flow filters)

When Selecting an Air Cleaner . . .

Determine the airflow requirements of your engine, then find the corresponding cfm airflow in the table below. The restriction numbers (shown in inches of water) indicate the approximate initial restriction of each model air cleaner at that cfm. If there are two air cleaner models that fit your parameters, choosing the one with the lower restriction will provide longer filter service life. When calculating total initial restriction of the entire air intake system, include the restriction caused by ducting, elbows, and pre-cleaners. See pages 257-258 for ducting restriction.

<table>
<thead>
<tr>
<th>CFM @ &quot;H₂O</th>
<th>Air Cleaner Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>8&quot;</td>
</tr>
<tr>
<td>620</td>
<td>730</td>
</tr>
<tr>
<td>900</td>
<td>1050</td>
</tr>
<tr>
<td>1360</td>
<td>1530</td>
</tr>
</tbody>
</table>

*Results generated using laboratory testing pursuant to ISO5011. Actual performance during use may vary depending on multiple factors, including specific product configuration, external conditions and application.

EBB Specifications

NOTE: All EBB Air Cleaners are tapped to accept a filter service indicator

<table>
<thead>
<tr>
<th>Air Cleaner Models</th>
<th>Body Diameter (A)</th>
<th>Inlet Diameter (B)</th>
<th>Outlet Diameter (C)</th>
<th>Length (D)</th>
<th>(E)</th>
<th>Inlet Length (F)</th>
<th>Service Clearance (I)</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in mm</td>
<td>in mm</td>
<td>in mm</td>
<td>in mm</td>
<td>in mm</td>
<td>in mm</td>
<td>in mm</td>
<td>lbs</td>
</tr>
<tr>
<td>B120271</td>
<td>11.81</td>
<td>5.50</td>
<td>140</td>
<td>127</td>
<td>16.42</td>
<td>417</td>
<td>2.00 147</td>
<td>16.0 406 16 7</td>
</tr>
<tr>
<td>B140044</td>
<td>14.00</td>
<td>7.00</td>
<td>178</td>
<td>152</td>
<td>18.50</td>
<td>470</td>
<td>1.62 41</td>
<td>17.5 445 19 8</td>
</tr>
<tr>
<td>B160049</td>
<td>16.00</td>
<td>8.00</td>
<td>203</td>
<td>178</td>
<td>18.75</td>
<td>476</td>
<td>2.50 64</td>
<td>18.0 457 35 16</td>
</tr>
</tbody>
</table>

1 - B140044 is only model with installed Vacuator™ Valve 2 - Access cover secured with bolts

When servicing the EBB, make sure to replace the cover gasket when changing filters.
## Service Parts & Accessories

### B120271
- Elbow, 45°: P109021
- Elbow, 90°: P107844
- Elbow, 90° reducing: P143895
- Filter, primary: P182028
- Filter, primary - Donaldson Blue®: DBA5028
- Filter, primary - SM: P181015
- Hump hose: P181028
- Informer™ indicator 25” H₂O: X002277
- Inlet hood, metal: H000339
- Inlet hood, plastic: H000607
- Mounting band, metal: H000349
- Outlet band clamp: P148345

### B140044
- Elbow, 45°: P105547
- Elbow, 90°: P105535
- Filter, primary: P182015
- Filter, primary - Donaldson Blue®: DBA5015
- Filter, primary - SM: P181015
- Hump hose: P105612
- Informer™ indicator 25” H₂O: X002277
- Inlet hood, metal: H000339
- Inlet hood, plastic: H000607
- Mounting band, metal: H000349
- Outlet band clamp: P148347

### B160049
- Elbow, 45°: P105548
- Elbow, 90°: P105536
- Filter, primary: P182099
- Filter, primary - Donaldson Blue®: DBA5099
- Filter, primary - SM: P181099
- Hump hose: P105613
- Informer™ indicator 25” H₂O: X002277
- Inlet hood, plastic: H001053
- Mounting band, metal: H000351
- Outlet band clamp: P148348

### NOTES:
- 2 = Two required for proper installation
- 3 = Shipped with air cleaner initially
- 6 = Access cover is attached to filter
- SM = Scheduled Maintenance
- Donaldson Blue® = High Efficiency, Extended Service

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Donaldson Blue® Filter Housing Body

Vacuator™ Valve

Outlet Band Clamp

Informer™ Indicator 25” H₂O

Filter

Inlet Hood, Plastic

Mounting Band, Metal

Outlet Band Clamp

Access Cover

Cover is attached to the filter on B160049
EBB Air Cleaners
Service Instructions

This servicing information is provided as a best practices guide. It is not intended to replace or supersede the service instructions supplied by your engine or vehicle manufacturer.

1. **Check the Restriction**
   Check the restriction of the air cleaner with a Donaldson filter service indicator, service gauge, or a water manometer.

   Replace the filter only when the restriction level has reached the maximum recommended by the engine or equipment manufacturer or on a regular service schedule.

2. **Gently Remove the Old Filter**
   Switch the engine off. Handle the dirty filter gently, until it is clear of the air cleaner housing. Accidental bumping will shake dirt loose inside the filter housing.

3. **Clean the Inside of the Housing**
   Always clean the inside of the housing. Dirt left in the air cleaner housing can potentially damage your engine.

   Use a clean, damp cloth to wipe every surface clean. Ensure that the outlet tube sealing area is clean and undamaged.

4. **Check the Inside Visually Before Installing the Filter**
   Always clean the gasket sealing surface. An improper gasket seal is one of the most common causes of engine contamination. Make sure that all hardened dirt ridges are completely removed, both on the bottom and top of the air cleaner housing.

   Check for uneven dirt patterns. Your old filter has valuable clues to dust leakage or gasket sealing problems. A pattern on the filter’s clean side is a sign that the old filter was not firmly sealed or that a dust leak exists. Identify the cause of that leak and rectify it before installing a new filter.
5 **Inspect the New Filter Before Installation**

Check the new filter but don’t install if it appears damaged. Check that the gasket is easily compressible and springs back promptly when finger pressure is released.

Note: Air cleaners with over center latches do not require gaskets.

6 **Install the New Filter**

It is important to change the newly supplied cover gasket, if included in shipment with filter, with each filter service. Ensure that the filter is the correct size for the housing and install the filter, making sure the gasket seats evenly for a perfect seal. Without a proper seal, dirty air can by-pass the filter.

7 **Ensure Air-tight Fit on All Connections and Ducts**

Check that all clamps, flange joints and air cleaner mounting bands are tight. Attend to any leaks immediately to avoid dirt entering your engine directly. If the vehicle is fitted with air brakes, it is important to check the clean air supply hose that feeds the air brake compressor.

**Reset the Indicator**

If your system has a remote indicator, don’t forget to reset it after filter service.