Installation

Installation of a water filter can be accomplished in a variety of locations by various methods. The water filter is a by-pass type filter that limits coolant flow through the element. The inlet should be attached to a point that has a relatively higher pressure than the outlet.

**Inlet connection points:**
- a. Tee into the water heater inlet line
- b. Thermostat housing
- c. Water manifold
- d. Water header opening
- e. Cylinder head opening
- f. Water pump perimeter

**Outlet connection points:**
- a. Tee into the heater outlet line
- b. Return line from radiator to water pump
- c. By-pass line

Once the connection points have been selected, follow these guidelines for installation:

1. Select a location with easy access for servicing.
2. Filter should be installed as vertical as possible.
3. The location should be below the radiator top tank.
4. The inlet line should be as short as possible.
5. Use 3/8” minimum ID hoses.
6. Ensure that the inlet and outlet are unrestricted.
7. Use rigid mounts to reduce vibration.

Note: Fleetguard recommends the use of an inlet and outlet shut-off valve, which makes changing the element more convenient.

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**Replacing Your Water Filter**

1. Before removing the used filter, first remove the radiator cap to depressurize the cooling system.

2. Next, lubricate the filter gasket with clean engine oil prior to installation.

3. Thread the filter on and rotate into place until the gasket makes first contact with the filter head.

4. Once the gasket has made first contact with the filter head, turn the filter the number of rotations as indicated by the installation graphic visible on the filter.

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⚠️ **CAUTION:** These instructions are intended for use by professional mechanics who are trained in the proper use of power and hand tools, using appropriate safety precautions (including eye protection).
Ordering Information

<table>
<thead>
<tr>
<th>Filter Head Part Number</th>
<th>Description</th>
<th>Style</th>
<th>Port Size</th>
<th>Thread Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>204163 S</td>
<td>Water Filter Spin-On Head</td>
<td>Aluminum</td>
<td>3/8&quot; NPT</td>
<td>11/16-16 UN-2B</td>
</tr>
<tr>
<td>215617 S</td>
<td>Dual Water Filter Spin-On Heads</td>
<td>Aluminum</td>
<td>1/2&quot; NPT</td>
<td>11/16-16 UN-2B</td>
</tr>
<tr>
<td>256536 S</td>
<td>Filter Head Mounting Bracket</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>257715 S</td>
<td>Water Filter Head (204163 S) and Mounting Bracket Assembly</td>
<td>Aluminum Head</td>
<td>3/8&quot; NPT</td>
<td>11/16-16 UN-2B</td>
</tr>
<tr>
<td>3904378 S</td>
<td>Severe Duty Water Filter Head</td>
<td>Steel</td>
<td>3/8&quot; NPT</td>
<td>11/16-16 UN-2B</td>
</tr>
</tbody>
</table>

Note: All dimensions are in inches (millimeters)

* Severe Duty Filter Head is recommended for most applications.

Replacement Filters

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WF2071</td>
<td>Spin-On Filter with DCA4+ Additive</td>
</tr>
<tr>
<td>WF2121</td>
<td>Spin-On Filter with Slow Release DCA4+ Additive</td>
</tr>
<tr>
<td>WF2122</td>
<td>Spin-On Filter with No Additive</td>
</tr>
<tr>
<td>WF2123</td>
<td>Spin-On Filter with No Additive</td>
</tr>
<tr>
<td>WF2131</td>
<td>Spin-On Filter with Slow Release DCA2+ Additive</td>
</tr>
</tbody>
</table>

Note: The filters shown in this table are representative of the types of filters available for these Water Filter Heads.

Dimensions

All dimensions are in inches (millimeters)