Identify the drain valve on your Fleetguard product

**First Generation Drain Valve:**
Follow steps starting on this page.

**Second Generation Drain Valve:**
Follow steps starting on page 2.

**First Generation Drain Valve**
For filter changes and water drains:

1. Remove the vent cap from the clear cover.
2. Loosen the drain valve 1.5 revolutions (use a common tool in one of the 6 perimeter holes as needed).

If the filter unit fails to drain, it is likely that debris is plugging the drain holes in the filter body. In some cases removing the filter unit will ease in performing this service.

1. Remove the drain valve completely to expose the drain seal.

**Second Generation Drain Valve**

2. Use a small 90° pick to free the stuck drain face seal.

3. Allow the filter to drain completely.
4. Clean the drain valve assembly and inspect for damage (replace the assembly as needed).
5. Clean the filter housing drain boss with small brass brush and brake cleaner as needed.
6. Replace the drain valve face seal with the improved (dark blue) material.

**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).
7. Replace the drain valve perimiter seal. Lubricate both seals with clean engine oil or diesel fuel.

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**Second generation drain valve (with retaining ring)**

For filter changes and water drains:
1. Remove the vent cap from the clear cover.
2. Loosen the drain valve 1.5 revolutions (use a wrench on the flats as needed).

If the filter unit fails to drain, it is likely that debris is plugging the drain holes in the filter body. In some cases removing the filter unit will ease in performing this service.

1. Using a small flat head screw driver slowly pry the retaining ring out of the filter housing.

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Install the drain valve assembly into the filter housing by hand:
1. Locate the valve so its concentric to the boss.
2. Using firm upward pressure, slowly tighten the drain valve until the threads engage and valve tightens completely.

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1. Remove the vent cap from the clear cover.
2. Loosen the drain valve 1.5 revolutions (use a wrench on the flats as needed).

If the filter unit fails to drain, it is likely that debris is plugging the drain holes in the filter body. In some cases removing the filter unit will ease in performing this service.

1. Using a small flat head screw driver slowly pry the retaining ring out of the filter housing.

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Using a small straight pick to unplug the drain holes in the filter housing.
4. Allow the filter to drain completely.
5. Remove the clear cover and filter. Flush the housing with clean fuel to clear debris from housing.
6. Clean the drain valve assembly and inspect for damage (replace the assembly if needed).
7. Clean the filter housing drawin boss with small brass brush and brake cleaner as needed.
8. Replace the drain valve face seal with the improved (dark blue) material.

**Install the drain valve assembly into the filter housing by hand:**

1. Locate the valve so its concentric in the boss.
2. Using firm upward pressure, slowly tighten the drain valve until the threads engage and valve tightens completely. Install the retaining ring into the filter body, blunt end first.
3. Slowly walk the retaining ring into the filter using a small flat head screwdriver and light pressure.

9. Replace the drain valve perimeter seal. Lubricate both seals with clean engine oil or diesel fuel.