LOW FILTER RESTRICTION

Lubrication during engine startup is vital to extended engine life. Restriction of the filter directly impacts the time required for the oil to reach all critical engine components and provide vital lubrication. Engine testing has shown that reaching oil pressure as much as three seconds faster can triple camshaft bearing life.

The Venturi Combo design ensures lowest filter restriction— even with thick, cold oil.

Here’s a closer look at how the Venturi Combo design works:

A low pressure zone is created when the oil flows from the pleated media through the throat of the nozzle. This zone generates flow through the efficient stacked disc media section. The nozzle diffuser then reduces the fluid velocity, recovering the restriction created in the throat. This maximizes the flow through the stacked disc media with minimum total filter restriction.

COLD FLOW FILTER RESTRICTION

<table>
<thead>
<tr>
<th>PSID</th>
<th>Synthetic Full Flow/No Bypass</th>
<th>Cellulose Full Flow/ Pleated Cellulose Bypass</th>
<th>Synthetic Full Flow/ Pleated Cellulose Bypass</th>
<th>LF9009 Venturi Combo</th>
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</thead>
<tbody>
<tr>
<td>20</td>
<td>I</td>
<td>Synth Full Flow/No Bypass</td>
<td>Cellulose Full Flow/ Pleated Cellulose Bypass</td>
<td>LF9009 Venturi Combo</td>
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</tbody>
</table>

For more information, visit us at www.fleetguard.com or call us at 1-800-22FILTER (1-800-223-4583).
DEMAND PROOF

The Venturi Combo is a US System™ product from Fleetguard, offering four key benefits to extend service intervals without compromise to engine protection.

- Enhanced gasket and media availability
- 49% pleated media vs. stackable 
- Contaminant removal
- Real world contamination capacity

New Gasket Design

The Venturi Combo’s new gasket materials maintain performance longer, unlike typical gaskets that can lose up to 85% of their properties during extended service intervals. Enhanced durability can lead to anything from small oil seepage to severe gasket cracking or even filters backing off the engine. Without visible signs, internal gasket failures can also be critical, allowing fluid to bypass the filter media, compromising the engine.

Cellulose Media

Unlike cellulose filters, the StrataPore media in the Venturi Combo design minimizes the use of absorbent polyester material. Less flax is further expected for long-term use. By contrast, 85% of cellulose filters are unserviceable after 25,000 miles of use.

REAL WORLD CONTAMINANT REMOVAL

Tests run to compare contaminant removal in the oil, in proven to cause engine wear. By removing sludge, you enable your engine to perform longer. Stack disc design filters fluid through a “tortuous path” to close the oil and remove sludge.

TYPICAL FILTERS

Field tests are used to compare filter performance. However, removed filters tell the true story.

TYPICAL ENGINE CAPACITY

The Venturi Combo lasts four times longer than full synthetic filters. The Venturi Combo lasts four times longer than full synthetic filters.

ENGINE CAPACITY

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