Fleetguard Direct Flow™

On-Highway Air Filtration Solutions:
Performance and Versatility for a Changing World
Design & Performance for Today's Engines

Designed to address space constraints associated with packaging engines that meet globally tighter emissions standards, Fleetguard Direct-Flow air filtration technology provides optimum protection with improved air management and greater installation flexibility. The creative design utilizes a straight air flow path allowing filter media to be packaged in a smaller space efficient profile with easier serviceability. Longer service life is available versus typical cylindrical air filter shapes.

Improved Performance in a Smaller Package

Fleetguard Direct-Flow provides more performance in less space than competitive air system providers. The proven technology employs highly optimized, stiff phenolic media arranged in a rectangular “V-block” configuration to optimize space normally wasted in the inner diameter of a typical cylindrical air filter. The design advantage maximizes filter life and minimizes air flow restriction. This enables the right balance between application packaging demands and filtration performance requirements.

Direct-Flow meets light, medium and heavy duty dust capacity requirements and have been lab tested according to OEM, SAE, ISO, ASTM and JIS standards. Direct-Flow has demonstrated a capability for handling large debris and snow that typically cause premature plugging of conventional pre-cleaners and air filters. Cummins Filtration has completed over 3.5 million miles of field testing experience across a wide array of on-highway applications.

Filter Element Offers Greater Dust Holding Capacity

Greater dust capacity per filter volume = easier air filter integration and lower maintenance cost
For a Wide Range of Applications

**Direct-Flow** provides design flexibility in on-highway environments. With flow ranges from 400 - 1200 CFM (11.3 - 34.0 m³/min), it is available in both composite and composite/metal hybrid designs in compact configuration for easy vehicle integration:

- Direct through- or side-entry air flow*
- Optional ducting transitions for both the inlet and/or outlet
- Optional secondary filter can be used dependent on flow rate
- DF900 Series are composite designs
- DF1200 Series are composite/metal hybrid designs

### Fleetguard **Direct-Flow** – Flow Range

<table>
<thead>
<tr>
<th>Series*</th>
<th>Short Side Inlet</th>
<th>Long Side Inlet</th>
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</thead>
<tbody>
<tr>
<td>DF1200T</td>
<td></td>
<td>✔️</td>
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<tr>
<td>DF900T</td>
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**Flow**: cfm (m³/min)

- 0 (0.66)
- 200 (6.99)
- 400 (11.33)
- 600 (16.99)
- 800 (22.65)
- 1000 (28.32)
- 1200 (33.98)
- 1400 (39.64)
- 1600 (45.31)

* = Transition (inlet grate and outlet transition)

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**Injection Molded Composite Construction** provides a durable rust-free, and flexible design

**Side and Front Entry Air Flow** are standard options

**Integrated Restriction Gauge Port** with optional easy-to-install gauge

**Integrated Mounting Feet** for simple installation

**Optional Precleaner** removes up to 95% of dust before reaching the filter (with aspiration)

**Optional Outlet Transition Adaptor** provides easy installation to ducting

**Optional Secondary Filter** depending on the flow rate

**Quick Reference Label** with convenient application of filter service information and private branding available

**V-block Rectangular Construction** provides greater packaging flexibility
Integrated Features for Improved System Diagnostics

The Direct-Flow air system works to improve engine performance with unique features that enable users to quickly evaluate operating conditions related to air flow. An optional integrated restriction gauge helps users to maximize filter life, reduce filter changes and lower overall maintenance costs. Integrated ports allow for easy installation of Temperature Barometric Atmospheric Pressure (TBAP) or Mass Air Flow (MAF) sensors into the housing. The Direct-Flow configuration was specifically designed to enhance the performance of these sensors.

Support and Information: 24-7 Around the Globe

At Cummins Filtration, we are committed to providing excellent support for our customers. From our global website to our state-of-the-art online portal to our customer assistance centers around the globe, the support and information you need is only a click or call away.

Online Portal

A technical web portal is available for OEM engineers, providing 24-7 access to datasheets, envelope models and drawings. Please contact your Cummins Filtration Account Representative for more information.

Worldwide Presence

From the U.S. to France, Brazil, India and China, Cummins Filtration has technical centers and manufacturing facilities that span the globe. At all of our global facilities, we have a standard for employing state-of-the-art processes as well as highly experienced and capable people in order to provide the best customer support, no matter where they are located around the world.

For more detailed information on Fleetguard Direct-Flow, please refer to the Fleetguard Technical Information Catalog – LT32599 or visit Fleetschool.

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