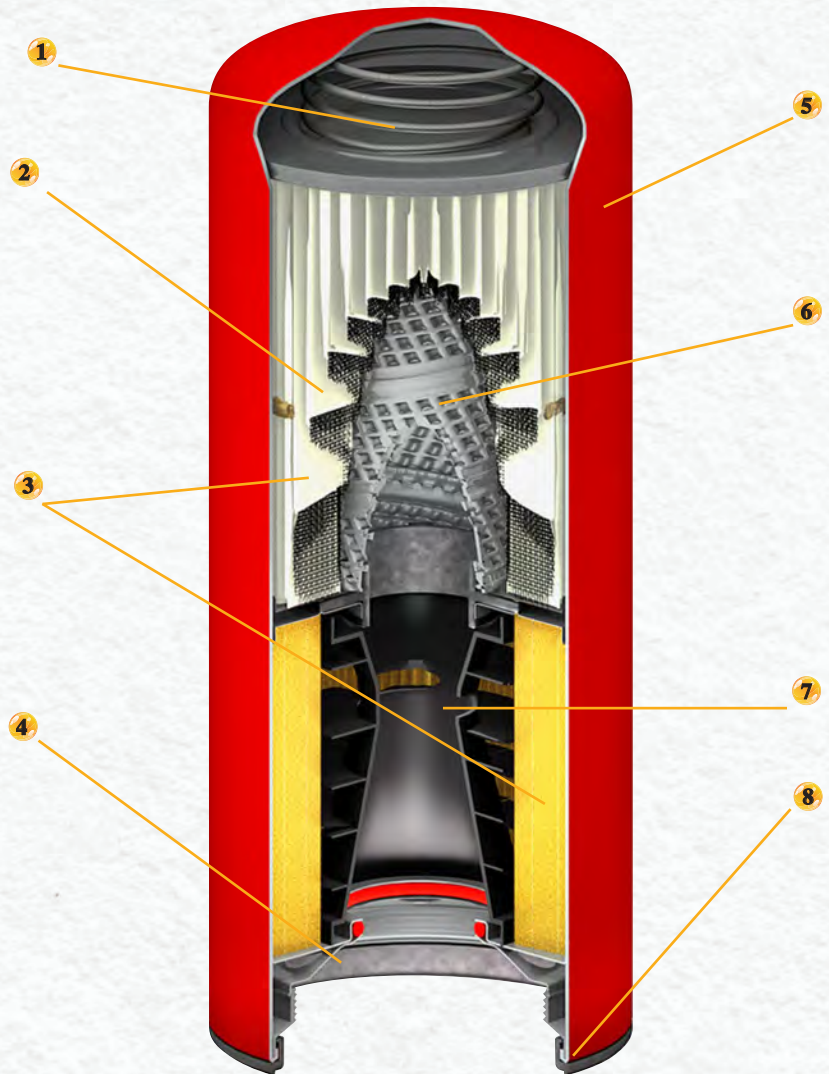


High Velocity Dual-Flow[®]

- 1 Steel Coil Spring**
keeps its shape, maintaining a positive load pressure on the elements.
- 2 100% Synthetic Microglass[™] Media**
specifically developed to increase structural strength, efficiency and contaminant capacity.
- 3 Patent Pending Design**
provides maximum contaminant holding capacity and contaminant removal efficiency, while minimizing flow restriction during operation and cold start-ups.
- 4 Heavy-Duty Steel Retainer and End Cap**
are welded together to prevent the post seal from dislodging.
- 5 Heavy-Duty, All-Metal Housing**
provides unequalled burst- and pulse-withstanding strength.
- 6 Spiral Wound Louvered Centertube**
with fluted ribs allows for maximum flow and adds strength to resist pressure surges.
- 7 High Velocity Dual-Flow Nozzle**
uses a venturi-type cone to balance the flow between the elements, taking advantage of the positive filtering properties of each.
- 8 Heavy-Duty Steel Baseplate**
is joined to the can with a J-lock seam, reducing the possibility of leakage due to high pressure.



Baldwin Filters' High Velocity Dual-Flow lube filters provide improved engine protection during extended oil drain intervals, high idle time and harsh operating conditions. ISO 4548-12 laboratory tests, performed per Cummins Engineering Standard 10765, prove Baldwin Filters' High Velocity Dual-Flow design surpasses the OE in contaminant removal efficiency and contaminant holding capacity. The patent pending design of the High Velocity Dual-Flow filters provides maximum filtration, while the heavy-duty construction insures dependable operation. For performance, strength and value, Baldwin is your best choice in aftermarket filtration.

Illustration is representative of the BD7154. The BD7309 utilizes a proven steel baseplate with a double-rolled, tuck lock seam.

BALDWIN
Heavy-Duty Performance **FILTERS**
a CLARCOR company

Baldwin High Velocity® Dual-Flow Filters For Cummins Engines



Baldwin Filters' High Velocity Dual-Flow line includes several patent pending dual-flow lube filters to be used on Cummins ISM, ISX and Series 600 engines as replacements for the Fleetguard Venturi™ filter line.

There are differences between standard dual-flow lube spin-on filters and the High Velocity Dual-Flow designs.

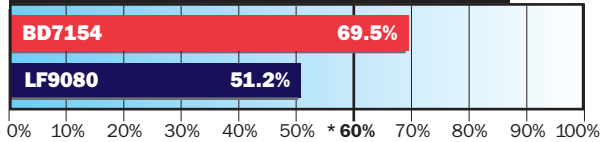
High Velocity Dual-Flow spin-ons have one inlet and one outlet. Oil flowing through the filter is sent

directly to the engine to protect vital engine components, rather than a portion being returned to the sump as with conventional dual-flow filters.

The High Velocity Dual-Flow spin-on design is also superior to standard full-flow/by-pass designs in that a larger portion of the flow travels through the high efficiency element, removing more small contaminants. In traditional full-flow/by-pass designs, only a small percentage of flow, 10% or less, travels through the high efficiency element.

Baldwin vs. Leading Competitor

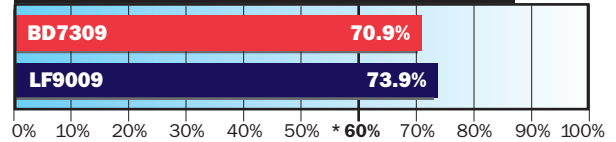
Contaminant Removal Efficiency



ISO 4548-12 Test: Flow Rate 28 gpm, 100°F, Termination at 10 psid Efficiency time weighted average at 10 microns.

* Cummins Engine Standard 10765 minimum efficiency = 60.0%

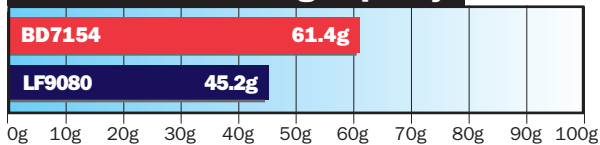
Contaminant Removal Efficiency



ISO 4548-12 Test: Flow Rate 28 gpm, 100°F, Termination at 10 psid Efficiency time weighted average at 10 microns.

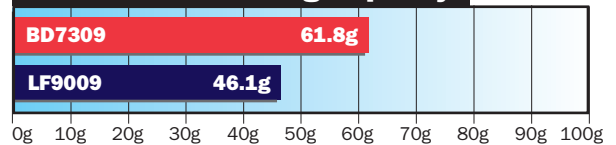
* Cummins Engine Standard 10765 minimum efficiency = 60.0%

Contaminant Holding Capacity



ISO 4548-12 Test

Contaminant Holding Capacity



ISO 4548-12 Test

High Velocity Dual-Flow® is a trademark of Baldwin Filters®.
Venturi™ is a trademark of Fleetguard®.

BALDWIN FILTERS® **BALDWIN**

a CLARCOR company

4400 East Highway 30 • P.O. Box 6010
Kearney, Nebraska 68848-6010
Phone: (308) 234-1951 • Toll Free: (800) 822-5394
Fax: (800) 828-4453 • Int'l Fax: (308) 237-9769
Internet: www.baldwinfilter.com

TS 16949
ISO 9001



Africa
Baldwin Filters, Pty. Ltd.
Ph: 27-21-534-0029
E-mail: africa@baldwinfilter.com

China
CLARCOR Filtration (China) Co., Ltd.
Ph: 86-536-2606308
E-mail: china@baldwinfilter.com

Middle East
Baldwin Filters
Ph: (308) 237-9782
E-mail: middleeast@baldwinfilter.com

Southeast Asia & Pacific Rim
Baldwin Filters
Ph: (308) 233-9226
E-mail: southeastasia@baldwinfilter.com

Australia & New Zealand
Baldwin Filters Aust., Pty. Ltd.
Ph: 61-3-9353-7300
E-mail: australia-newzealand@baldwinfilter.com

Europe
Baldwin Filters N.V.
Ph: 32 3 328 18 88
E-mail: europe@baldwinfilter.com

Morocco
Baldwin Filters Morocco
Ph: (212) 522 70 00 25
E-mail: morocco@baldwinfilter.com

UK & Ireland
Baldwin Filters Ltd.
Ph: 44-1268-888170
E-mail: uk-ireland@baldwinfilter.com

Central & South America
Baldwin Filters
Ph: (308) 233-9220
E-mail: latinamerica@baldwinfilter.com

Mexico
Baldwin Filters, S. de R. L. de C. V.
Ph: 52-442-227-3400
E-mail: mexico@baldwinfilter.com

Russia
Baldwin Filters
Ph: (308) 237-9749
E-mail: russia@baldwinfilter.com