



Crankcase Ventilation Manager CVM200

Crankcase Ventilation Management for
Emissions Compliance and a Cleaner Environment

CRANKCASE



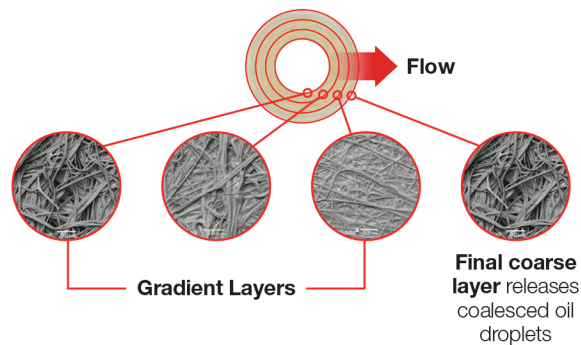
Genuine Crankcase Ventilation Solutions You Can Depend On

For optimal engine performance and to support emissions regulations compliance, your diesel engine blow-by should contain minimal oil aerosol before routing to the engine intake air system (closed) or direct to the atmosphere (open). Cummins Filtration's new Fleetguard **CVM series** of crankcase ventilation (CV) solutions ensure crankcase ventilation systems for your emissions-certified engines do not compromise performance or the environment with oil mist and drips. The CV product line offers the industry's highest blow-by oil mist separation efficiency in a cost effective and versatile package.

Anatomy of Fleetguard Crankcase Ventilation Management

Advanced oil separation through proprietary multi density media

Designed and manufactured by Cummins Filtration, the unique polymer webs of the media are tailored for optimal oil droplet removal from the blow-by gases. The varied fiber sizes are arranged in an effective gradient structure. This creates optimal particle capture and coalescence to protect the environment and/or the intake air system



Integral mounting bracket

121 mm x 70 mm (4.76" x 2.75")
bolt pattern with compression limiters

Threaded end caps

for quick and easy removal of the end caps at the time of service enabling top and bottom access for service

Integrated by-pass relief valve

protects the crankcase from excess pressure

Oil drain port (10 mm hose barb)

Routes separated oil back to oil sump



Blow-by gas inlet (25.4 mm hose barb)

blow-by inlet from engine

Glass reinforced nylon material

for lightweight, heat resistance and containment of the oil coalescing element




Clean blow-by gas outlet (25.4 mm hose barb)

returns clean blow-by to the atmosphere, or engine air intake (2 possible configurations: left & right)

CVM200

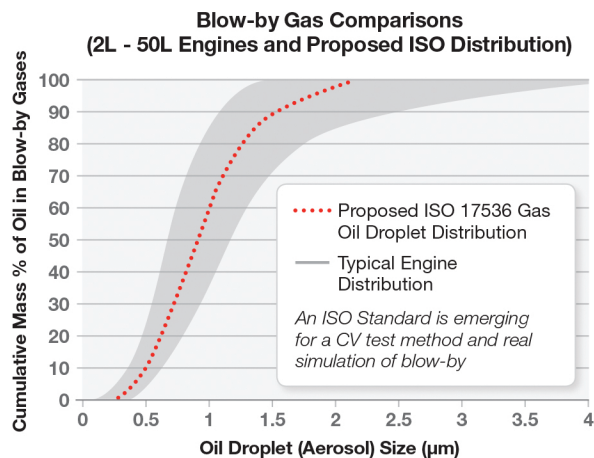
High Performance in a Versatile Package

CVM200 – Up to 200 L/min

CVM200	Part Number	Blow-by Outlet Orientation
	CV52035	
	CV52036	

Service all CVM200 units with CV52055 coalescer elements.


- High efficiency oil coalescing via a serviceable element
- Suitable for blow-by airflow rate up to 200 L/min
- Compact size for better engine packaging: 111 mm (D) × 145mm (W) × 267mm (H)



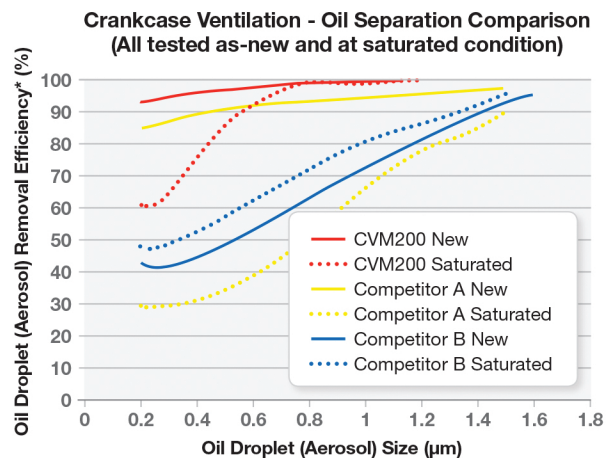
Science Yields Dependable Solutions

- Cummins Filtration "fingerprinted" blow-by gas distributions for engines from 2L to 50L displacement
- Proposed ISO 17536 blow-by distribution correlates to real-world engines
- Over 50% of the real-world blow-by gas mass is less than 0.90 µm droplet/particle size
- Crankcase blow-by gas management at small droplet/particle sizes is critical to engine compliance, performance and reliability

Custom Horizontal Configurations

 CV50648	Upon specific request, Cummins Filtration is able to provide horizontal applications of the CVM200 series. Please contact your local Cummins Filtration Account Representative to learn more.
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- Easy Serviceability – top and bottom service access, threaded end caps
- Top oriented blow-by inlet, two available outlet configurations
- Nonmetallic service coalescer service element



* Tested using new proposed ISO 17536 aerosol distribution

Superior Crankcase Ventilation

- The CVM series offers the highest oil & particle removal efficiency
- High saturated efficiency is key to emissions regulation compliance, long service intervals and reliability of the engine air handling components
- The Fleetguard CVM series maintains superior saturated oil removal efficiency for the droplet (aerosol) sizes that comprise blow-by gases
- The saturated condition of the crankcase ventilation system accounts for up to 95% of the total service life

Expertise in Crankcase Ventilation

Cummins Filtration meets the demands of crankcase ventilation management through the use of multiple patented technologies. The technologies related to the proprietary multi density media achieve service life that is up to 3X the life of competitive coalescing products. Cummins Filtration expertise provides a crankcase ventilation solution that helps to reduce your equipment operating costs. The coalescing technology reflected in the new CVM series has been installed on more than **3/4-million engines** with more being built each day.

Other Products featured in CVM Product Line

CVM280 – Up to 280 L/min

CVM280T	Base Unit with Pressure Sensor	Blow-by Outlet Orientation
	CV52023	
	CV52021	
	CV52019	

CVM280B	Base Unit with Pressure Sensor	Blow-by Outlet Orientation
	CV52015	
	CV52034	
	CV52008	

Service all CVM280 units with CV52053 coalescer element.

CVM424 – Up to 424 L/min

CVM424T	Base Unit with Pressure Sensor	Blow-by Outlet Orientation
	CV52028	
	CV52017	
	CV52007	

CVM424B	Base Unit with Pressure Sensor	Blow-by Outlet Orientation
	CV52009	
	CV52006	
	CV52016	

Service all CVM424 units with CV52052 coalescer element.

Custom Crankcase Ventilation Management Applications

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.



For more detailed information on Fleetguard crankcase ventilation, please refer to the **Fleetguard Technical Information Catalog – LT32599** or visit **Fleetschool** at cumminsfiltration.com.



For more information, visit cumminsfiltration.com

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