

Genuine Volvo Penta Parts

# DIESEL PARTICULATE FILTER

## Volvo Penta DPF; Power and emission control

Volvo Penta Diesel Particulate Filters (DPF) enhance engine power while significantly reducing emissions, meeting stringent Stage 5 regulations. Experience improved performance and fuel efficiency with our advanced filtration technology.

### Cleaner engines, healthier environment

Diesel engines are known for their power and efficiency, but they also emit particulate matter (PM) that poses health and environmental risks.

Genuine Volvo Penta Diesel Particulate Filters (DPF) capture over 95% of these harmful particles, ensuring cleaner air and compliance with emission standards.

Featuring a ceramic matrix and noble metal coating, these filters enhance durability and reliability. Integrating Volvo Penta DPFs contributes to a healthier environment while maintaining high engine performance and fuel efficiency.

Tailored for industrial applications, our DPFs offer a seamless fit and optimal performance.





## Features and benefits of Volvo Penta Diesel Particulate Filter (DPF)

Features	Benefits
High efficiency	· Captures over 95% of particulate matter, reducing hydrocarbons.
Low backpressure	· Designed to minimize fuel consumption and optimize engine performance.
Adaptability	· Each DPF is tailored to specific engine requirements, including regeneration strategies to minimize failure risks.
Service interval compliance	· Regular replacement ensures correct backpressure and fuel efficiency, preventing frequent regenerations that increase fuel consumption.
Circular Parts Program	· Refurbished DPFs are available to minimize downtime, ensuring compliance with emission standards and optimal engine performance. · Optimized fuel efficiency.

### Volvo Penta Circular Parts concept

Volvo Penta Circular Concept includes both Reman and Refurb parts, offering sustainable, high-quality solutions that support a circular economy. It provides customers with flexible options with warranty coverage, promoting environmental responsibility.

#### Why choose Volvo Penta Circular Parts?

Opting for Volvo Penta Refurb DPFs ensures that you receive components refurbished to meet original specifications, guaranteeing emission compliance and engine reliability.

The refurbishment process includes thorough inspections and cleaning, reducing environmental impact and enhancing fuel efficiency. With new gaskets and clamps included, you can be confident in the safety and integrity of your exhaust system.

#### How to purchase

To acquire Volvo Penta Refurb DPFs, contact your authorized Volvo Penta dealer. They will guide you through the selection process, ensuring you receive the right filter for your engine and application needs.

## Technical information

Diesel Particulate Filters (DPFs) are essential for maintaining engine performance and reducing environmental impact. Volvo Penta Genuine DPFs use a wall-flow ceramic matrix with a noble metal catalyst that enhances soot regeneration and overall filter efficiency. The ceramic core is protected by a metal sleeve, and integrated handles allow for easier handling during service.

During engine operation, passive regeneration continuously burns off soot. When additional heat is needed, active regeneration is triggered. Over time, ash accumulates and must be removed through cleaning.

Diesel engines emit Particulate Matter (PM), which contributes to smog and can impact respiratory health. By trapping and oxidizing PM, the DPF plays a critical role in reducing harmful emissions.

To reduce downtime and support sustainability, the Volvo Penta Circular Parts program also offers refurbished DPFs with the same high performance as new units.

### The difference

DPFs are sensitive and require careful handling. Volvo Penta DPFs meet strict specifications, ensuring correct emission levels. Non-approved methods can damage DPFs, increasing fuel consumption and engine strain.

Safe processes and equipment protect mechanics from hazardous exposure during DPF replacement and cleaning.



### Extensive testing

Genuine Volvo Penta DPFs undergo rigorous testing for functionality and durability, ensuring reliable emission compliance throughout the vehicle's life.

### Maintenance and service

DPFs should be replaced per the according to the service program, with frequency based on engine and operating conditions. Clamps and gaskets are included to ensure system sealing, preventing exhaust leaks and associated risks.



**V O L V O P E N T A**