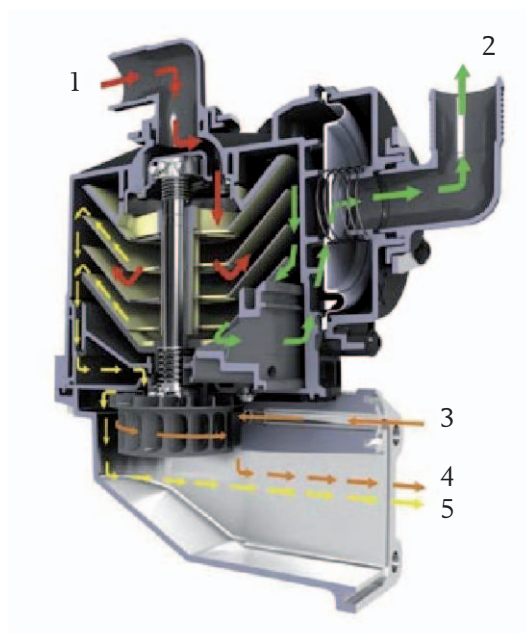


Closed crankcase ventilation promotes a sealed and clean engine

CCV-C (CrankCase Ventilation - Closed) is an entirely sealed crankcase ventilation system that prevents harmful crankcase gases from leaking out into the surrounding air. With CCV-C, crankcase gases are returned via an oil separator and centrifuge to the turbocharger. In the centrifuge, oil residues are filtered out from the gases. The centrifuge is entirely maintenance-free, which means the system requires no service. From the turbocharger, the exhaust gases are led into the engine's combustion chamber and incinerated before flowing out through the exhaust pipe. This creates a clean and sealed engine with low particle emissions.

OBD monitors emission levels

Closed crankcase ventilation promotes effective particle filtration with an efficiency rating of 98%. The system's function and efficiency are ensured with the OBD (OnBoard Diagnostic) facility which monitors emission-influencing factors and alerts the driver via warning lamps and fault codes if anything needs to be rectified.



1. Unfiltered crankcase gases. 2. Filtered crankcase gases. 3. Separator, oil under pressure. 4. Separator, oil to the sump. 5. Separated oil to the sump.