

## When the engine doesn't get enough air – air filters from febi Bilstein

To ensure a smooth combustion process, the engine primarily requires two things: Fuel and air. The quantity of intake air that the engine needs depends greatly on the load and its cylinder capacity.

The job of the air filter is to clean the air that is sucked in from the outside of dust particles and impurities. In addition, it dampens the suction noises and ensures better engine acoustics, which have a positive effect in the interior of the vehicle in the form of less noise.

How quickly the air filter gets dirty depends greatly on the quality of the road and its environment. The air on unmetalled roads and construction sites often contains 40% more dust and as a result, stresses the air filter much more.

The quantity of dust that is sucked in with the air is absorbed in a lubricating oil film in the interior of the filter. As the quantity of dust absorbed by the film increases, the flow resistance to the engine also increases. The result of this is that the fuel consumption increases, the output drops and the engine soots up.

Low-quality air filters with less filtration capacity reach their maximum dust absorption capacity after a shorter distance has been travelled, and before the replacement intervals that have been prescribed by the manufacturer. As a result, it can happen that unfiltered dust elements cause wear of mechanical components in the engine compartment and bring about high-cost consequential damage.

Air filters from febi bilstein provide the same performance as the original filters. With a comprehensive range of filters with uses up to the latest generation, febi bilstein gives you the solution for the after-market.

febi no. 49561



to fit:  
Mercedes-Benz Actros IV, Antos, Arocs  
Repl. no. 004 094 68 04

febi no. 49563



to fit:  
Scania Serie 4, Serie P,- G,- R,- T  
Repl. no. 1 869 994

**With a comprehensive range of filters with vehicle uses up to the latest generation, febi bilstein gives you the solution for the after-market.**