

# Tips and Technology

## Cabin filters



Functionality	FILTER <sup>+</sup>	Activated-carbon cabin filter	Standard cabin filter
	Bosch FILTER+ – a healthy plus with an antiallergenic and antibacterial effect. For especially high air quality inside the vehicle.	Bosch activated-carbon cabin filter – for a noticeably cleaner and more pleasant air quality inside the vehicle.	Bosch cabin filter – for clean air inside the vehicle
Neutralises allergens and bacteria	X		
Filters out particulate matter (PM2.5µm up to 99 %)	X		
Filters out foul-smelling and harmful gases (ozone, smog, exhaust gas)	X	X	
Filters out pollen, particulate matter (PM10µm up to 100 %)	X	X	X
Protects the air-conditioning system	X	X	X
Reduces glare	X	X	X
Applications	CAR	CAR, TRUCK	CAR, TRUCK

### WORKSHOP TIP

Bosch recommends that you change the cabin filter once a year or every 15,000 km.

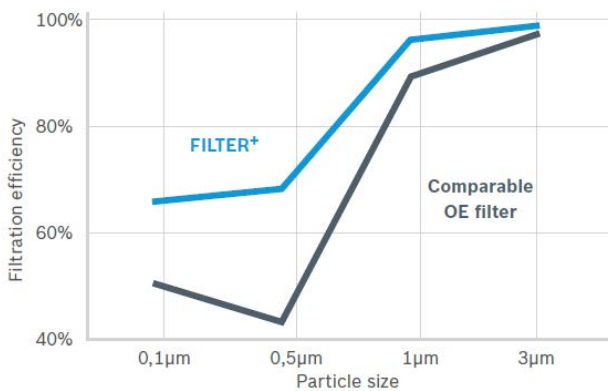
### Consequences of a clogged filter:

- ▶ Reduced vision from fogged windows, resulting in reduced safety
- ▶ Increased pollutant concentration inside the vehicle
- ▶ Allergic reactions, e.g. sneezing
- ▶ Reduced cooling capacity of the air-conditioning system resulting from deposits on the evaporator

# FILTER+ cabin filter



Fine dust test

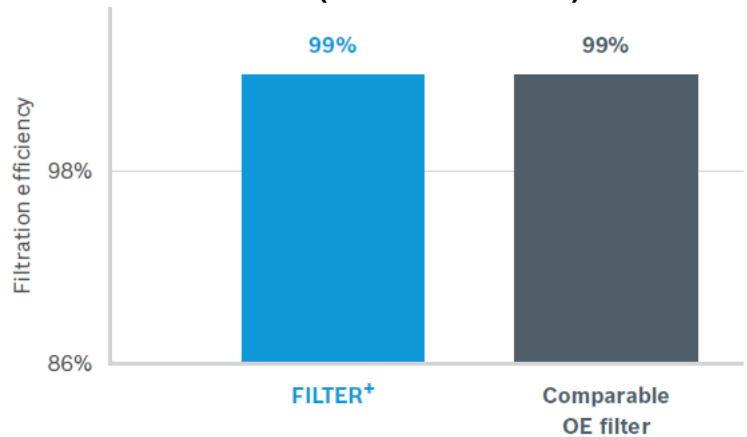


## Quality testing

### Filtration efficiency

An important quality criterion for a cabin filter's performance is its filtration efficiency or its capacity to filter out particles. Bosch had its FILTER+ and a similar OE filter tested by the independent institute Flatech GmbH, Germany. Measurements were made in accordance with ISO 11155-1.

Pollen test (ambrosia and birch)



### Test result

Bosch's FILTER+ offers highly efficient protection against respirable particulate matter (particle size < 2.5 µm), surpassing even a similar OE filter.

### Test result

Bosch's FILTER+ provides the same high degree of efficient protection against allergens as a similar OE filter.

### Did you know?

Size comparison between a human hair (0.06 mm) and a fine dust particle (PM<sub>2,5</sub>µm = 0.0025 mm).

