



**MOTORSERVICE**  
RHEINMETALL AUTOMOTIVE

**Large variety within  
the range of  
Kolbenschmidt filters**



**KOLBENSCHMIDT**

Our wide range of filters in the certified Kolbenschmidt quality



## Oil centrifuge filters

These filters are used as bypass flow filters in combination with full flow filters. Fine particulates that have passed by the full flow filter are filtered out by the bypass flow filters. With this combination, highly effective filtration is obtained.

## Transmission for automatic

The transmission oil filter is used to filter the oil entering the transmission. A clean oil filter prevents wear on the machinery, such as gears, and ensures optimal transmission performance and longevity.

## Air filters

The optimised particulate separation efficiency of the air filter minimises the wear on pistons, piston rings and the running surface of cylinder liners. The air filters, adapted to the engine characteristics and installation space, effectively cancel disruptive intake noises.



## Oil filters

Oil filters filter and retain metal swarf, dirt, engine or foreign bodies which get into the oil from fuel or intake air.

## Urea filters

In modern exhaust treatment systems with SCR converters (Selective Catalytic Reduction), urea filters filter the urea solution and thereby prevent wear on the system components.



## Coolant filter

Coolant filters protect the cooling system against impurities. Furthermore, they prevent rust from being released into the cooling system.



## Oil filters Transmission units



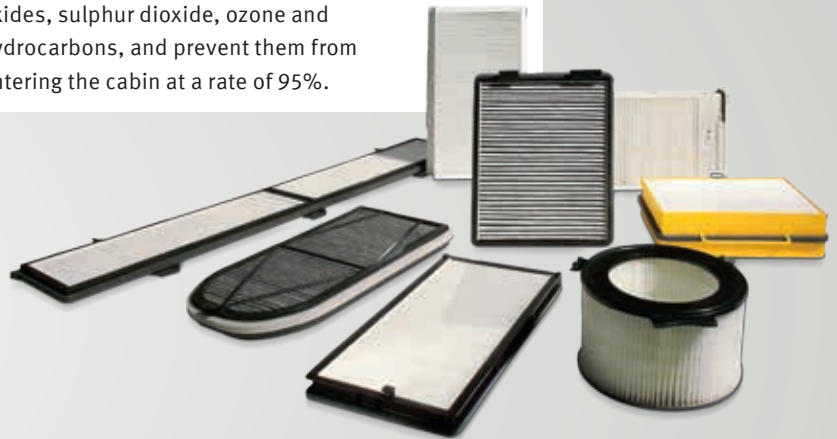
responsible for preventing foreign bodies from  
an optimal filtration of substances which encourage  
as metal swarf caused by abrasion, maintains good  
and prolongs the transmission's service life.

from inside the  
to the engine via the



## Cabin filters

Cabin filters prevent foreign particles such as dust, pollen, spores and soot in the ambient air from entering the car interior over the ventilation system. Cabin filters with activated carbon are not only fine filters for solid particles, they also absorb unpleasant odours, harmful gases such as nitrogen oxides, sulphur dioxide, ozone and hydrocarbons, and prevent them from entering the cabin at a rate of 95%.



## Special filters

Due to our many years of know-how in the filter branch and the continual improvement of our production processes, we are able to develop and produce customised filters. Kolbenschmidt special filters can be designed for all filter types and applications.

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engine cooling system by filtering  
ore, the additives in the filter are  
system at a controlled rate.



## Fuel filters

Even minor impurities in the fuel system can lead to severe malfunctions. Modern injection systems, in particular, require an extremely clean, pulsation-free and homogenous fuel supply.



**So many benefits –  
see for yourself!**

## Our wide range of Kolbenschmidt filters

### Standard product range

- Air filters
- Coolant filters
- Fuel filters
- Cabin filters  
(particulate and combi filters)
- Oil filters
- Transmission oil filters
- Hydraulic filters
- Oil centrifuge filters

- Oil vapour separators
- Urea filters

### Special production for the following branches

- Construction machinery
- Buses
- Work machines
- Individual customer requirements

Find further information on the  
subject of filters at  
[www.ms-motorservice.com](http://www.ms-motorservice.com) as well as  
in our catalogue Ref.-No. 50 003 929  
or in our Motorservice OnlineShop at  
[onlineshop.ms-motorservice.com](http://onlineshop.ms-motorservice.com)

## All the advantages of Kolbenschmidt at a glance

- **Highest quality** – the manufacturing processes comply with the standards of the quality management system ISO 9001 and ISO / TS 16949
- High **availability** and flexibility
- Attractive **cost-benefit ratio**
- **A large assortment** of almost 1,500 filter types. Extensive cross reference lists

- High **coverage** of current European passenger car and truck models
- Short development times:  
**Expansion of product range** by an average of 100 new references per year
- Special designs **on customer request**
- Many years of **know-how**
- **Product and quality management** under one umbrella

- **Environmentally friendly**  
(e.g. metal-free filter cartridges)
- Individual **consulting**  
(pre-sales and after-sales)
- Reliable **service**



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