MANN-FILTER Unbeatable in everyday use

High-performance filters made in Germany

» Matching OE quality



Modern heavy-duty engines require mature filter technology in matching OE quality. For MANN-FILTER, OE quality is not just a buzz word, but tried and tested filter know-how.

Leading manufacturers of agricultural machinery put their trust in the top-quality products of MANN+HUMMEL.

» Innovation leader



MANN+HUMMEL have been active in the development and manufacturing of filters for agricultural machinery for more than 60 years. Every year, around 4 percent of the total revenue flows back into research and development.

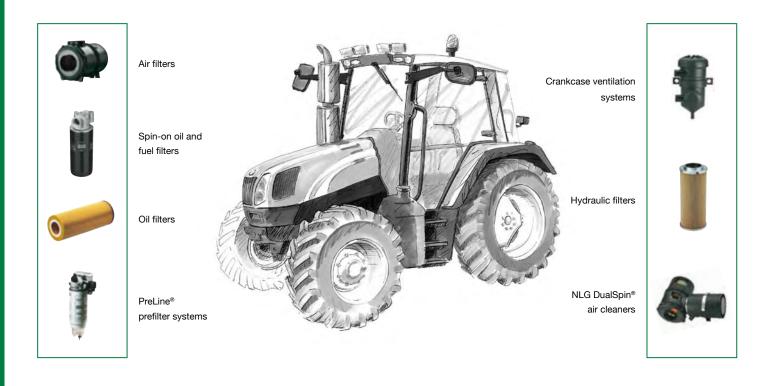
700 employees worldwide work in this sector, designing innovative, economic and individual product concepts.

» Comprehensive product range



Nowadays, fast delivery and a wide market coverage count more than ever before. This is why MANN-FILTER offers its partners a comprehensive product range and high availability.

Our customers value the excellent support on everything that has to do with filters and also the well designed MANN-FILTER product catalogues. See for yourself.



Filtration in construction machines: Quality filters are a must for reliable and cost-effective filtration

MANN-FILTERs in matching OE quality are designed for the recommended service intervals of your machine manufacturer.

Air filters: Prevent dirt from being sucked in with the intake air, thus minimising wear on the engine.

Oil filters: Well filtered oil and a well functioning filter guarantee long engine life.

Fuel prefilter systems: Perfect water separation enhances and extends the durability of the fuel-injection system.

Main fuel filters: Precise particle separation prevents wear on the high-pressure pump and the injection nozzles.

Hydraulic filters: Protect your hydraulic system against unnecessary wear.

Cabin air filters: Protect the driver against pollen, unwanted particles and harmful gases.

Crankcase ventilation systems: Oil separation for the crankcase ventilation and regulation of crankcase pressure.

Cheap filters are more expensive and add no value:

Filters which do not match OE quality rarely attain the specified service intervals of the machine manufacturers.

Their performance with regard to dust capacity, filter fineness or filter surface generally does not match that of original filters. Due to their inferior performance, cheap filters need to be serviced more often. In addition, with cheap filters there is the risk of greater wear which could culminate in the total failure of the engine and hydraulic system.



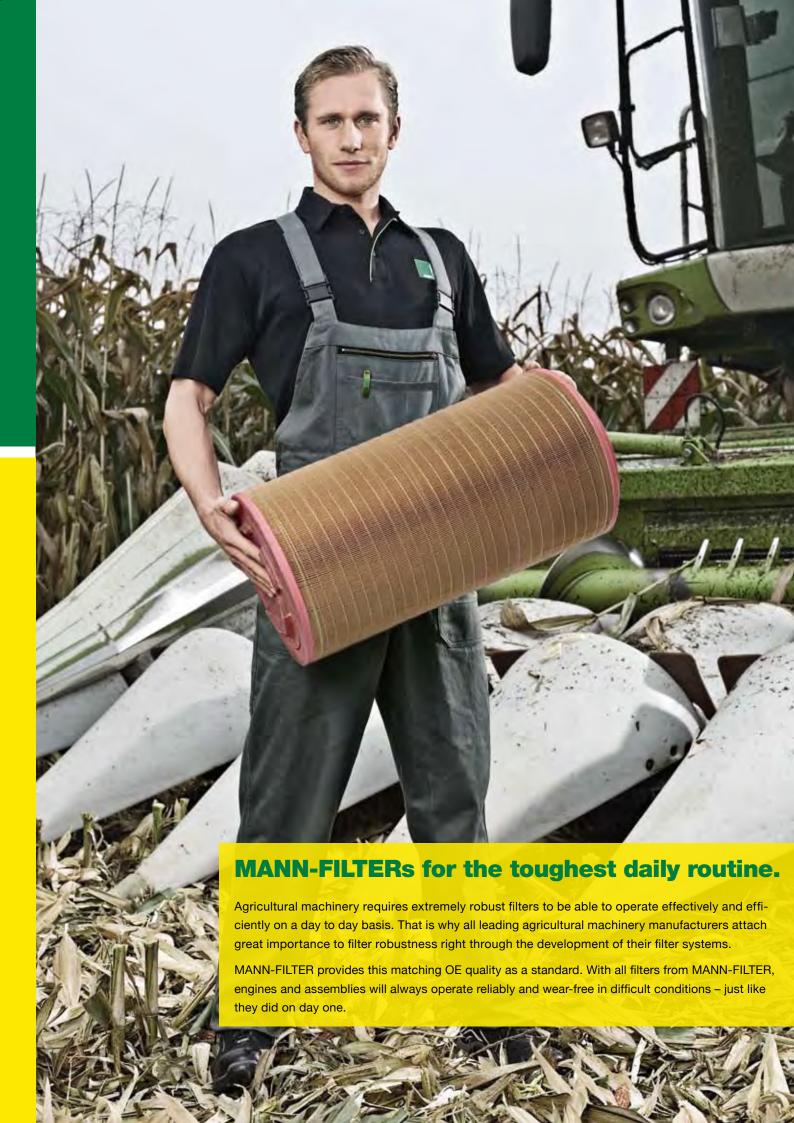


Green and Yellow is Robust

Filters for agricultural machinery







The added value for maintenance: Matching OE quality from MANN-FI

The durability and economic efficiency of agricultural machinery primarily depends on the quality and reliability of the filters. With MANN-FILTER, you opt for matching OE quality, dependability, for active protection of your investment and stress-free maintenance on the spot.







NLG DualSpin® air cleaners

top performance

• Service life

Extreme dust conditions and long filter service life are not a contradiction in terms.

• Clean

Pre-separation efficiency of 90%.

• Economic

Zero machine downtime as a result of frequent filter maintenance.

Air filters

wide range

• Effective

For average to heavy dust conditions.

• Easy to maintain

No tools needed for exchange.

• Economic

Top performance off the shelf.

PreLine® fuel prefilters

- ideal

• Protection

For all injection system components.

Reliable

Virtually 100% water extraction prevents corrosion in the susceptible injection system.

• Economic

Long operating times even with biodiesel fuels.

LTER - maximum performance at all







Oil filters

- convincing

• Environmentally friendly Metal-free filter element is easy to exchange.

• Resilient

Continuous working temperature from -40° C to +90° C with peaks of up to 120° C.

• Robust

Stable in the presence of aggressive oils; hence long service intervals.

Spin-on oil and fuel filters

- tried and tested

Versatile

Available with a variety of filter media.

Efficient

High dust capacity.

• Robust

Robust housing with corrosion protection.

Hydraulic filters

- powerful

Robust

Can be used with operating pressures of up to 210 bar.

• Comprehensive

Protects against dust particles, corrosion and abrasion.

Service life

The high dust capacity of the medium guarantees long filter service life.

times



Crankcase ventilation systems

- reliable

Protects

Prevents oil deposits in the intake tract and on the turbocharger.

• Environmentally friendly

Reduces oleaginous emissions from the crankcase.

• Economic

Reduces the engine's oil consumption.



Perfect maintenance is what counts.

Good, regular maintenance can be planned:

In accordance with the machine manufacturer's instructions, OE quality filters should be used every time the machinery is serviced. Not only does this save time, it also ensures optimum performance of the machinery up until the next service.

Typical consequences of delayed maintenance:

Air filters

- Engine power loss
- Increased fuel consumption
- Higher emissions

Oil filters

The filter clogs and a safety valve opens in order to ensure the continued lubrication of the engine. The result: the oil is not adequately filtered, causing wear on the valves, bearings and engine components.

Hydraulic filters

• Inadequately filtered oil causes wear in the hydraulic system.

Main fuel filters and prefilters

 Increased wear in the injection system – such as in pump, nozzles, pressure valves – due to inadequate particle and water separation.

Cabin air filters

• The air in the cabin is not adequately filtered; this allows e.g. odorous substances, particles and pollen to enter the driver's cabin.

Crankcase ventilation systems

- Potential damage to the turbocharger and charge air cooler due to oil on the clean side of the filter.
- Reduced engine performance and higher fuel consumption due to reduced turbocharger/charge air cooler performance.