

FOR HIGH PRODUCT
AND PRODUCTION STANDARDS

FG systems and filter modules for metal working

Whether automotive industry, mechanical engineering, medical technology or other manufacturing and production areas in metalworking: machine tools are needed wherever workpieces are manufactured. In the metalworking industry, clean cutting emulsions, grinding oils and cooling lubricants ensure a smooth production process, they minimize the wear and tear of expensive precision machines and make a decisive contribution to the surface quality of the manufactured products. FG automatic backflushing filters are used for the fine filtration of cooling lubricants in machining processes with internal cooling supply and ensure high product and production standards.



FG Automatic backflushing filter
Picture source: Filtration Group

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In high-quality hydraulic and lubrication systems, duplex filters assume the role of a working filter with defined oil purities and ensure reliable operation without downtime. Very often FG duplex filters are used as safety filters (police filters) between high-pressure pump and the consumers. It has a safety function and offers highest safety for internally cooled tools, rotary pressure guides and fine machining bores.



FG Duplex filter
Picture source: Filtration Group

Efficient FG Duplex filter Pi 214 for modern processing machines

With the Pi 214 filter type, Filtration Group Industrial has designed a new series of high-performance filters for modern processing machines. The series was specially designed for use with cooling lubricants, but can also be used for all other applications with dynamic system pressures up to 160 bar. The Pi 214 duplex filter is characterized by a compact design and a flow-optimized component layout.

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