



Worry-free milling in the machine

Duplex filters from Filtration Group Industrial are particularly suitable for use in machines and motors that must operate continuously.

For one of the largest manufacturers of cutting and milling machine tools in Germany, Filtration Group Industrial supplies solutions for keeping the cooling lubricant clean. During the processing of aluminium, chips are produced which get into the high-pressure pumps and the cooling lubricant causing premature wear and damage.



FG Duplex Filter
Picture source: Filtration Group

Worry-free milling in the machine

No problem with the Pi 214

Filtration Group Industrial found an effective remedy with the Pi 214 duplex filter. The filter system removes chips and dirt from the cooling lubricant during continuous operation. This can be maintained even if the filter elements have to be replaced. As soon as the employee has turned the handle, the second filter manages the flow of the cooling fluids. The filter elements consists of wire mesh and can be cleaned after removal. Its efficient filtration increases the service life of the machines and ensures trouble-free operation over a long period.



Technical data

- Filter for inline installation (thread or SAE flange connection)
- Nominal pressure 100 bar (2 million load cycles)
- Filter head + filter housing: GGG or carbon steel
- Switching with comfortable one-hand operation
- Equipped with highly efficient PS (glass fibre) filter elements
- Guaranteed separation rates according to multi-pass test according to ISO 16889
- Available in two sizes: 300 l and 450 l

The Pi 214 duplex filter is characterized by its compact and streamlined design of the components. An ergonomic switching lever with lever lock and pressure compensation ensures user-friendly one-hand operation. The filters can be equipped with highly efficient filter elements with PulseShield technology and guarantee a defined separation rate according to IS 16889. The filter can be equipped with various maintenance indicators and bypass variants.

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