

Fabric-free systems
for fine filtration

Liqui Disc - O - Filter®

- Perfect purification $< 5 \mu\text{m}$.
- Compatible with all types of machine tools.
- Available as a compact system for liquid-quantities up to 1500 l/min.
- Systems of a more complex design can filter up to 10,000 l/min continuously.
- Standard design in steel with optional stainless steel casing.



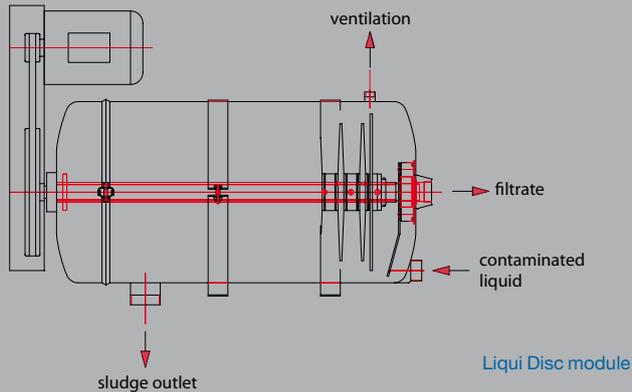
Liqui
FILTER

pure. clean.

Operation

The pre-cleaned liquid is forced by the filter pump into the filter casing. The design of the filter casing is co-ordinated precisely with the disc and the inlet orifices.

A relatively even filter cake is built up on the disc surfaces immediately upon start-up of the filtration process. The liquid already cleaned by the filter cake and the filter fabric arrives in the disc interior and proceeds from there through orifices in the hollow shaft, which carries the disc, into the clean tank. The filter regenerates automatically upon reaching the filter pressure. During cleansing, the centrifugal force affecting the disc ensures that the sludge is completely projected from the disc.



The filter surface of a Liqui Disc-O-Filter can be up to 25 m² with minimal space requirements. A filter fineness of 30 to 5 µm can be achieved in continuous operation.

The systems are designed so that the machine tool can be continuously supplied with cooling lubricant. An overflow into the sludge tank enables loop operation of the system. The contamination/sludge discharged from the Liqui Disc filter insert is retained by built-in cascades/baffles or conveyors and can drip dry during the dwell time. The cascades or baffles can be removed en bloc. The purification or discharge process is possible without great expenditure and can be automated if necessary.



Disc-O-Filter © for fine filtration in a combined system



Disc-O-Filter® Type 250-500



Disc-O-Filter® Type 100-150



Disc-O-Filter® Type 250

Liqui FILTER

Liqui Filter GmbH

Richard-Stocker-Strasse 19 78234 Engen Germany
Phone +49 7733 9402-0 Fax +49 7733 9402-40
E-Mail info@liqui-filter.de Internet www.liqui-filter.de