



MTBF-V / MTBF-E Deep-bed filter

for continuous filtration of aqueous cooling lubricants, oils and other liquids.

with fabric or endless band filter output: 250-2000 l/min

Liqui
FILTER

pure. clean.



Capacity table MTBF

Type	Water capacity l/min	Oil capacity* l/min	L x B** x H mm Type MTBF-V	L x B** x H mm Type MTBF-E
MTBF 250	250	170	1300 x 800 x 917	1352 x 741 x 840
MTBF 500	500	350	1300 x 900 x 917	1352 x 841 x 840
MTBF 750	750	500	1300 x 1120 x 917	1352 x 1061 x 840
MTBF 1000	1000	700	1300 x 1414 x 917	1352 x 1355 x 840
MTBF 1250	1250	850	1300 x 1700 x 917	1352 x 1641 x 840
MTBF 1500	1500	1000	1300 x 1919 x 917	1352 x 1860 x 840
MTBF 2000	2000	1400	1650 x 1919 x 1077	1702 x 1860 x 1000

* up to 10 mm²/s, at 40° C

** width plus motor overhang

The benefits

- Longer tool service life due to comprehensive processing of cooling lubricant.
- Saving of waste disposal costs due to chip and sludge predrying.
- High throughput with minimal space requirements.
- Optimum utilisation of filter aid.
- High purification level due to filter aid selection and sludge cake build-up.
- Economical filtration of aqueous cooling lubricants, oils and other liquids
- Standard design with fabric winder.
- Separation of sludge and fabric.
- Scraper chain conveyor with carriers as discharge aids to ensure sludge and chip discharge.

System specification

The system comprises a steel casing with filter floor. A slotted sieve or a perforated metal sheet, which is also the filter band carrier, serves as the filter floor. The filter band is moved by a pulling device.

Function

The contaminated liquid for filtration is fed into the filter area provided. The liquid is pressed by static pressure through filter band and filter floor into the clean tank. Solids are removed from the liquid and deposited on the filter band.

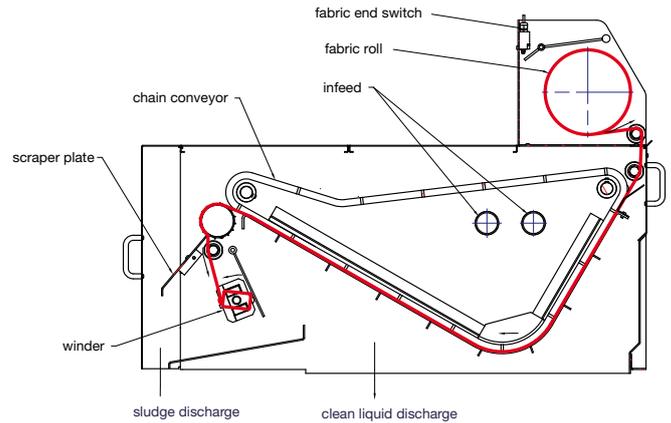
Increasing solid deposits reduce the permeability of the filter band with resultant level rise in the filter.

Actuated floating switches trigger the regeneration process. The filter band is moved forwards. Used filter band is wound up and separated solids are collected in a tank.

Filter efficiency

The filtration parameters are the viscosity of the filter medium and the quality of the filter band.

Purification levels of up to 99% with a grain size limit of 10 µm can be achieved.



Function diagram



Deep-bed filter MTBF-V with fabric / chain



Deep-bed filter with fabric on combined system

Liqui FILTER

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