

ORIGINAL FILTER ELEMENTS

RMF Systems

*The guarantee
of
problem free
hydraulics*



30HB



30HB

THE UNIQUE RMF FILTER

The principal of the RMF Systems filters is based on the unique original filter elements. With a filter fineness of 0.5 micron they have the capacity to remove even the smallest of dirt particles from the oil.

The micro filter works as a fine filter through which oil passes radially, from the outside to the inside. The filter elements are made entirely of cellulose and are specially designed for hydraulic and lubrication systems.

The use of cellulose as the filtration material has the added benefit that water can be absorbed. Water in oil creates a chemical reaction, which seriously deteriorates the oil.

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The use of original RMF Systems filter elements will result in extreme fluid cleanliness and low water contamination levels in the fluid.

Through a carefully controlled quality control process excellent Δp curves, filter efficiency and dirt holding capacity are secured.

APPLICATIONS

The original filter elements are used in combination with RMF Systems filter housings in an endless range of industries.

Some examples are:

- plastic industry;
- steel industry;
- concrete and cement industry;
- petrochemical industry;
- maritime industry;
- paper industry;
- forestry industry.

CHARACTERISTICS

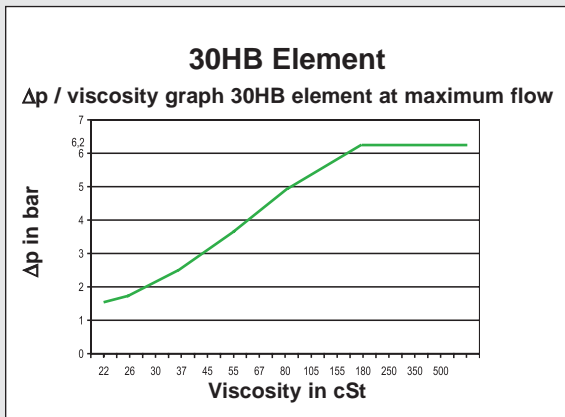
- Continuous quality with stable flow/ Δp performance.
- Extremely fine filters.
- Large filtration surface.
- High water absorption capacity.
- Additives are not removed.
- Large dirt collection capacity.
- Extends oil usage life.
- Extends life cycle main stream filters.



www.bsf-filtertechnik.com



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Ordering code for 30HB elements

1 pcs : OMA...100
 box 15 pcs : OMA...105

Elements suitable for RMF filter units types
 BPU...30 series and OLU...30 series.

Technical data 30HB

Element specifications	
Application	By-pass and Off-line filtration
Flow (average measured value)	2.1 l/min
Max. viscosity (average measured value)	180 cSt
Temperature range	-40 °C - +120 °C
Collapse pressure	14 bar
Oil compatibility	Mineral oils H, HL, HLP/HEPG/HEES/HETG.
For other oils please contact RMF	
Element construction	
Filter material	Cellulose
Thickness filter material	19 mm
Filtration efficiency	$\beta_{0.5} > 200$
Pressure drop	± 2.8 bar at 2.1 l/min at 40 cSt
Dirt holding capacity (average measured value)	44 gram MTD
Water absorption capacity	Max. 150 ml
Integrated by-pass valve	Not mounted in element
End cap material	Silicon (one side)
Seal material	Standard Buna-N, O-ring included



KOPPEN & LETHEM

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