

### The unique RMF Filter

The principle of the RMF System 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.

### Original elements

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 monitored quality control process excellent pressure drop curves, filter efficiency and dirt holding capacity are ensured.



### 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.

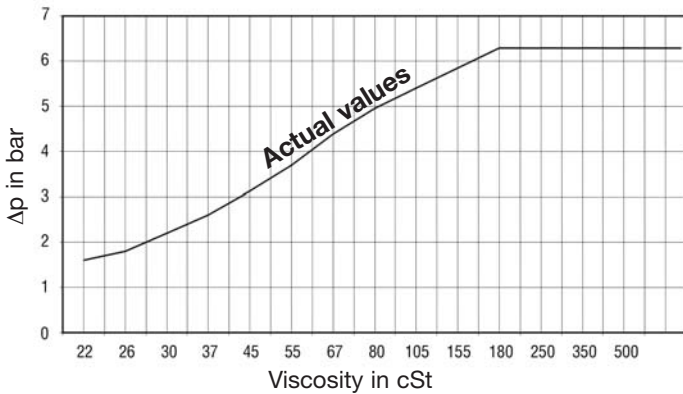
### Characteristics

- Continuous quality with stable flow/ $\Delta p$  performance
- Extremely fine filters (0.5 micron!)
- 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



SRM-30HB filter elements must be used on the above range of OFF-LINE and BY-PASS filters

**Filter element SRM-30HB  $\Delta p$  / viscosity - graph**  
(at a flow of 2.1 l/min (0.6 US GPM) per element)



**Ordering Code for SRM-30HB Elements**

1 pcs.: SRM-30HB - 1  
 box of 15 pcs.: SRM-30HB - 15

Elements suitable for Stauff RMF Filter unit types BPS-, OLS- and OLSW-series.

1 micron and 3 micron elements are available for high viscosity fluids. Please consult factory for additional information.

FILTRATION

**Filter Element SRM-30HB Technical Data**

Element Specifications		Element Construction	
Application	By-pass and off-line filtration	Filter material	Cellulose
Flow (average measured value)	2,1 l/min (0,6 US GPM)	Thickness filter material	19 mm
Max. viscosity (average measured value)	160 cSt	Filtration efficiency	$\beta_{0,5} > 200$
Temperature range	-40°C...+80 °C (-40°...+176 °F)	Pressure drop	2.8 bar at 2.1 l/min at 40cSt
Collapse pressure	14 bar (203 PSI)	Dirt holding capacity (average measured value)	18 gram ACFTD
Oil compatibility	Mineral oils H, HL, HLP/HEPG/HEES/HETG	Water absorption capacity	85 - 150 ml
For other fluids please contact Stauff		By-pass valve	Integrated in the filterhead, not in the element
		End cap material	Silicon (one side)
		Seal material	Standard Buna-N, O-ring included