

ORIGINAL FILTER ELEMENTS

RMF Systems

*The guarantee
of
problem free
hydraulics*



STANDARD FILTER RANGE

The standard range of RMF cellulose filter elements (with a filter fineness of 0.5 micron) is suitable for the use in approximately 90% of all industrial applications. For all other applications, RMF Systems also offers a fitting solution from the supplementary range of filters.

SUPPLEMENTARY FILTERS

At this moment the RMF supplementary filter range consists of: the H₂O Sorb water absorbing spin-on elements, ideal for water contamination problems; the 30G*B elements, the solution for high viscosity fluids and the 30W*B elements, specifically designed for water glycol fluids.

H₂O SORB ELEMENTS

H₂O Sorb spin-on elements are constructed of a unique medium containing water absorbing polymer, which chemically bonds water. These elements are specially designed to remove water from hydraulic fluids. In addition to water removal, they are also capable of solid particle removal.

30G*B ELEMENTS

When a high viscosity fluid such as gearbox oil limits the use of the cellulose elements, RMF Systems offers 30G*B elements in a fineness of 1 micron and 3 micron as the fitting solution.

The elements (conventional pleated construction) have excellent dirt holding capacity and flow characteristics. They can be used in all RMF By-pass and Off-line filter housings.

30W*B ELEMENTS

Cellulose as filter material cannot be used in combination with water glycol fluids.

For these applications RMF Systems offers the 30W*B elements in a fineness of 1 micron and 3 micron.

The elements (conventional pleated construction) have end caps, netting and support tube compatible with water glycol.

ADVANTAGES

- The complete filter range (standard and supplementary) offered by RMF Systems ensures that whatever the fluid type or contamination problem, RMF has the answer.
- The use of RMF Systems filter elements will result in extreme fluid cleanliness and low watercontamination levels (when required) in the fluid.
- Through a carefully controlled quality process excellent Δp curves, filter efficiency and dirt holding capacity are secured.

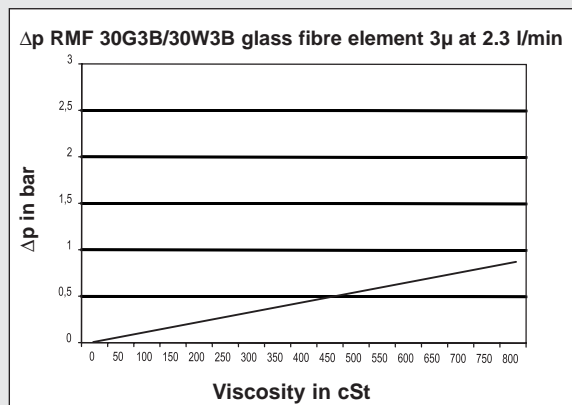
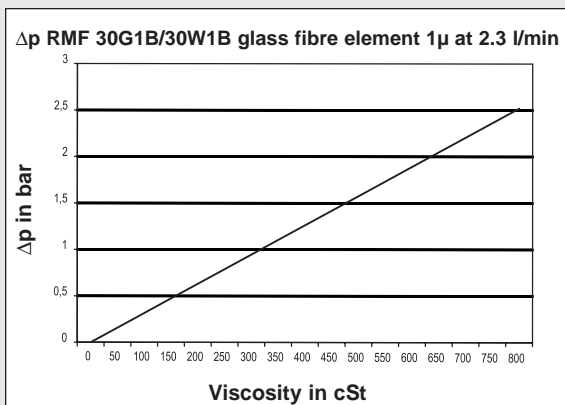


www.bsf-filtertechnik.com

ORIGINAL FILTER ELEMENTS

Technical data 30G*B, 30W*B elements

| Major dimensions | | | |
|----------------------------|--|--------------------------|-------------------------------|
| Element length | : ± 300 mm | | |
| Element diameter | : outer ± 100 mm; inner ± 65 mm | | |
| Element seal material | : Buna-N | | |
| Element support materials: | 30G1B/30G3B : Zinc plated steel (end caps + Innercore) 30W1B/30W3B: Tin plated steel (end caps + Innercore) | | |
| Mechanical data | | | |
| Used for filter type | : By-pass / Off-line filter | | |
| Maximum viscosity | : 800 cSt | | |
| Temperature range | : -20 °C - +80 °C | | |
| Collapse pressure | : ± 10 bar | | |
| Oil compatibility | 30G1B/30G3B : Standard mineral + synthetic oil: OK 30W1B/30W3B: Water Glycol : OK Other oils : Contact RMF | | |
| Specific element data | | | |
| Filter material | : Glass fibre | | |
| | 30G1B/30W1B | 30G3B/30W3B | |
| Filtration fineness | : 1.0 micron absolute | 3.0 micron absolute | |
| Filtration efficiency | : $\beta 1 = 200$ | $\beta 3 = 200$ | |
| Water absorption capacity: | na. | | Quality assurance |
| Dirt holding capacity | : 44 gram MTD | 67 gram MTD | ISO 2941: Burst pressure test |
| Dirt holding capacity | : 132 gram steel particles | 201 gram steel particles | ISO 2942: Bubble point test |
| | | | ISO 3968: Δp test |
| | | | ISO 4572: Multi Pass Test |



Technical data H₂O Sorb element

| Major dimensions | |
|---------------------------|---|
| Element length | : ± 270 mm (10.63") |
| Element outer diameter | : ± 128 mm (5.06") |
| Element threading | : 1½-16 UNF |
| Element seal material | : Buna-N (Viton on request) |
| Mechanical data | |
| Used for filter type | : Spin-on filter |
| Filtration area | : ± 4,440 cm ² |
| Temperature range | : -20 °C - +80 °C |
| Collapse pressure | : ± 14 bar |
| Oil compatibility | Standard hydraulic mineral + synthetic oil: OK Other oils: Contact RMF |
| By-pass valve | : na. |
| End plate and centre core | : na. |
| Specific element data | |
| Water absorbing material | : Polymer's |
| Filtration fineness | : 10 micron nominal |
| Filtration efficiency | : na. |
| Water absorption capacity | : 500 ml max. |
| Dirt holding capacity | : na. |

Your RMF Systems distributor

BSFbov
FILTERTECHNIEK



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