



FILTER ELEMENTS

The principal of the RMF Systems filters is based on the unique original filter elements. With a choice of filter fineness down to 0,5 micron they have the capacity to remove even the smallest of dirt particles from the oil. RMF Systems offers a wide range of elements in micron sizes, filter media and fluid compatibility. Combi-elements (water and solid particle retention) complement the unique range.

Cellulose elements

The RMF Systems cellulose filter elements are unique in their design. They consist of several hundred layers of long fibre cellulose which are wound on a perforated center tube. The micro filter element works as a fine filter through which oil passes radially, from the outside to the inside, trapping solid particles throughout all the layers of cellulose. The long fibre cellulose is also capable of absorbing water, adding the benefit of water removal from the oil. RMF Systems cellulose elements are extremely efficient and have a large dirt holding capacity. The perforated centre tube has a removable steel support spring inserted, which can easily be removed after element replacement. Once the steel support spring is removed the element contains no metallic parts and can simply be incinerated.

Fibreglass elements

RMF Systems offers a range of fibreglass filter elements in a fineness of 1 micron and 3 micron. The micro filter element works as a fine filter through which oil passes radially, from the outside to the inside. RMF Systems fibreglass filter elements (conventional pleated construction) are extremely efficient and have a large dirt holding capacity. The fibreglass elements are suited for all RMF Systems filter housings (except the size 20 housing) and are compatible with most commonly used hydraulic and lubricating fluids, including biodegradable fluids. The fibreglass filter elements are also suited for water based fluids. The fibreglass filter elements are particularly suited for gearbox applications

where high viscosity fluids limit the use of the cellulose elements.

Water sorb filter inserts

RMF Systems offers a specially designed water sorb combination filter element: water absorbing and particle retention. This pleated filter element with a fineness of 5 micron has layers of polymers in between layers of fibreglass, creating a unique media to remove both water and solid particles. The Water sorb combi-elements are suited for all RMF Systems filter housings (except the size 20 housing) and are compatible with most used hydraulic and lubricating fluids, including biodegradable fluids. The water sorb combi-elements are not suited for water based fluids.

Water sorb spin-on elements

RMF Systems offers a specially designed spin-on filter, the H₂O Sorb for water absorbing and particle retention. This spin-on filter element with a fineness of 20 micron is constructed of a unique medium containing water absorbing polymer which chemically bonds water.

The spin-on element can be used as a pre filter in combination with most RMF Systems filter housings (except the size 20 housing). They are compatible with most commonly used hydraulic and lubricating fluids, including biodegradable fluids.