

RMF Systems

RMF Systems radial micro filter units are characterized by their extremely efficient filter elements which are rated to 0.5 micron.

Specially designed for industrial hydraulic installations the RMF Off-line filters are available in single or multiple housing configurations. The Off-line filter units can easily be mounted to new and existing hydraulic installations.

By means of an integrated motor/pump unit and an Off-line filter, the oil is pumped from the reservoir through the filter unit and after filtering the oil is then returned to the tank.



Economical

The hydraulic market accepts that 80% of mechanical failures are caused by contamination in the system. The RMF Water Absorbing Off-line filters attack this contamination at source and in addition to solid particles, these filters are also capable of removing large quantities of water from the oil. This prevents the catalytic reaction of water and solid particle contamination, resulting in extended useable oil life.

The application of RMF filters results in lower component failure rates, less down time and less system maintenance.

Water Absorbing

RMF Water absorbing filters are Off-line units that use special water absorbing spin-on filter elements as a pre-filter. The fluid is pumped through the pre-filter which removes most water and larger solid contamination, in the second stage the fluid passes through the RMF micro filter where final water removal takes place as well as solid removal down to 0.5 micron.

In recent years RMF Systems have developed a great deal of experience in cleaning and drying hydraulic and lubrication systems in the following markets:

- steel industry
- maritime industry
- petrochemical industry
- paper industry

Advantages

- Extremely clean oil due to the high filtration efficiency $\beta_{2} \geq 2,330$
- Prevention of channel forming by radial filtration direction
- Increased flow capacity
- Increased dirt holding capacity
- Large water holding capacity
- Compact and easy-maintenance design
- Longer usage life for oil and components