

OFF-LINE FILTERS

RMF Systems

*The guarantee
of
problem free
hydraulic*



RMF SYSTEMS

RMF Systems radial micro filter units are characterised by their extremely efficient filter elements with a fineness of 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 pump-motor unit in the Off-line filter, the oil is pumped from the reservoir through the filter unit and after filtering the oil is then returned to tank.

ECONOMICAL

The hydraulic market accepts that 80% of mechanical failures are caused by contamination in the system.

The RMF Off-line filters attack this contamination at source and in addition to solid particles, these filters are also capable of removing water from the oil. This prevents the catalytic reaction of water and solid particle contamination, resulting in extended useable oil life.

The use of RMF filters means less defects, less maintenance and less wear of the hydraulic components.



APPLICATIONS

RMF Off-line filter units can be fitted to every imaginable industrial application where hydraulic and/or lubrication systems are present.

The standard range of Off-line filters can be utilised in reservoirs with a maximum volume of up to 11,000 litres.

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

- steel industry;
- plastics moulding industry;
- maritime industry;
- petrochemical industry;
- paper industry.

ADVANTAGES

- Extremely clean oil due to the high filtration efficiency $\beta_{0.5} \geq 200$, $\beta_2 \geq 2,330$.
- Prevention of channel forming by radial filtration direction.
- Increased flow capacity.
- Increased oil and water-absorption capacity.
- Compact and easy-maintenance design.
- Environmentally friendly elements.
- Longer usage life for oil and components.

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