

RMF Systems

RMF Systems radial micro filter units are characterized 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 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 the mechanical failures are caused by contamination in the system. The RMF Off-line filters attack this contamination at the source. 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 usable life.

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

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



Heated Off-line Filters

The electric pre-heating ensures that the cold and/or high viscosity fluid is brought to a temperature with a suitable filtration viscosity. Off-line filters with pre-heating can be applied to new or existing installations. The integrated pump-motor combination draws fluid from the reservoir, pumps it through a heating element, filters the fluid and returns it to the reservoir.

Advantages

- Extremely clean oil due to the high filtration efficiency $B_{0.5} \geq 200$, $B_2 \geq 2330$
- 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