

The advantages of RMF Systems

Less malfunctions

The tolerances between moving parts in servo valves and proportional valves are constantly reducing. The result is that even the smallest amounts of silt can cause damage to the system. RMF filters remove this silt.

Protection of expensive main stream filters

RMF Systems filters are applied in By-pass or Off-line configurations and constantly clean oil from the reservoir. The oil which reaches the main stream filter is therefore cleaner, and allows longer usage life of this expensive filter. The main stream filter then acts primarily as an emergency filter.

Less frequent oil changes

Increasingly strict environmental laws in the area of oil changes, oil storage and the disposal of used oil leads to corresponding cost increases.

RMF filters lengthen fluid life, therefore cutting fluid costs.

Extended usable life of the oil

Frequent oil changes are generally the result of chemical deterioration of the oil caused by the oil oxidation process. This process is brought into action by the presence of silt. If water is also present, this acts as a catalyst and the oxidation process is accelerated. RMF filters remove silt AND water from the oil.

Less machine down time

Reduction of defects caused by worn components and less frequent oil changes mean an increase in production time.

RMF Characteristics in short

The oil filters have:

- a filter fineness of 0.5 micron ($\beta_{0.5} \geq 200$, $\beta_2 \geq 2,330$)
- large particle collection capacity
- high filtration capacity due to depth effect
- large water adsorption capacity

RMF Systems filters:

- do not adversely affect viscosity or additives
- do not remove additives
- reduce the oxidation process
- reduce the forming of acids
- SAVE COSTS

Measuring points

To facilitate quality control of the oil, every RMF Systems oil filter is equipped with two quick connect measuring points to which a particle counter can be attached. This offers a convenient point in the circuit to measure the oil cleanliness level on-site and under working conditions.

The measuring points also allow oil samples to be drawn for external analysis.

The solution

RMF Systems offer the most complete and efficient filter series available today.

RMF Systems is THE solution to your contamination problems: simple to fit, equipped with extremely efficient filters and offering the opportunity for simple control of oil cleanliness.

Stauff RMF has a wide range of applications on which we have a substantial database with case studies and application knowledge. Please contact your nearest Stauff RMF distributor for specific information on your desired application.

Stauff RMF offers solutions for installations/equipment in the following segments:

Mobile Equipment:

- Mining
- Harvesting
- Forestry
- Agricultural
- Off-road
- Fishing
- Road construction
- Cranes
- Airport equipment

Industrial Equipment:

- Flight simulators
- Pulp and paper
- Food processing
- Presses
- Automotive industry
- Timber plants
- Plastic & rubber
- Metal industry
- Cement & concrete
- Material handling
- Bridges/Hydraulic locks/Water works
- Petrochemical industry
- Power stations