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.

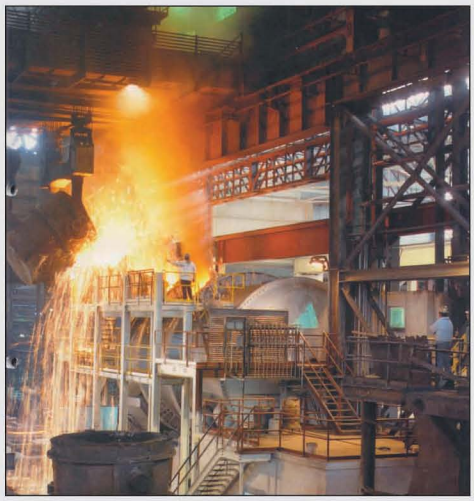
By means of an integrated pump-motor unit in the Off-line filter, the oil is pumped from the reservoir through the filter unit and after filtering the oil is then returned to tank.

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.

www.rmffilter.com

RMF SYSTEMS®

www.seh-ltd.co.uk

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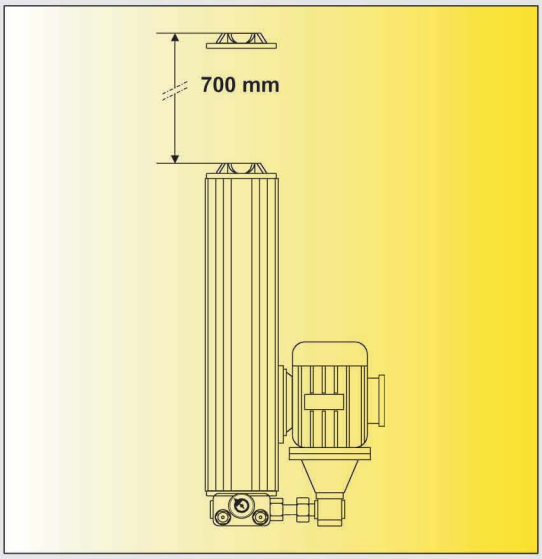

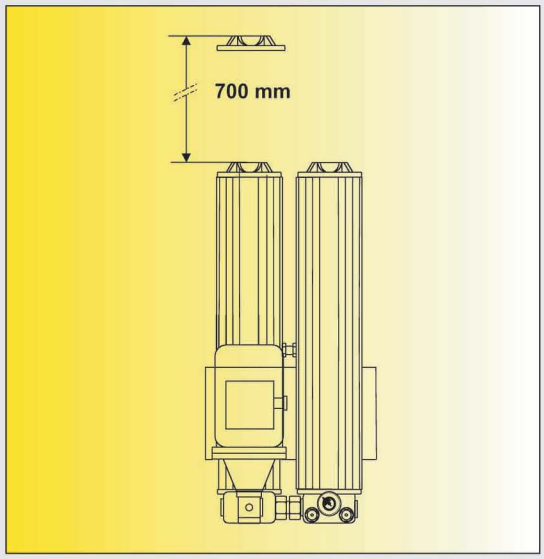

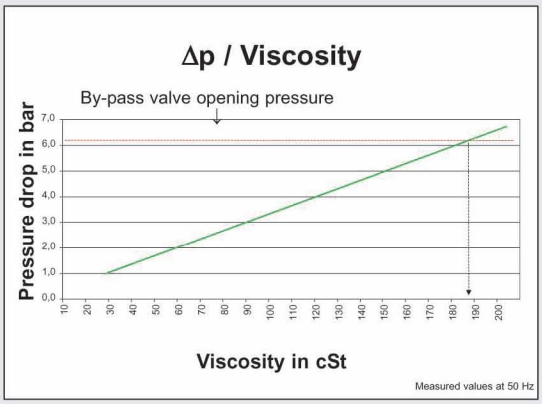

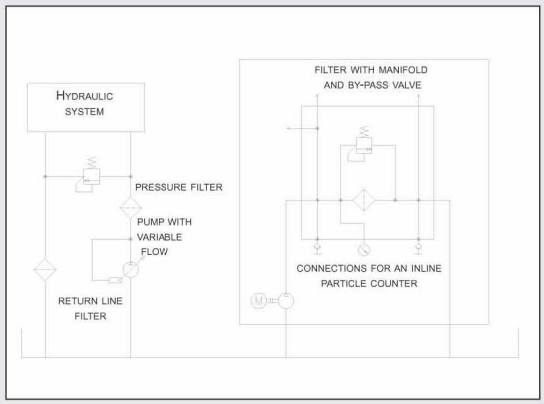

Technical data

Type filter	OLU1B30	OLU2B30
No. of filter housings	1	2
Material filter housing	Anodised aluminium	
Seal material	Buna-N standard	
Nominal flow	±4.5 l/min	±9 l/min
By-pass opening pressure at 0 bar backpressure	±6 bar	
No. of filter elements	2	4
Length filter elements	300 mm (std)	
Max. pressure filter housing	20 bar	
Max. oil temperature	80 °C	
Max. viscosity	180 cSt	
Indicator type	Gauge glycerine filled	
Connection pump suction	1/2" BSP female	1/2" BSP female
Diameter hose suction side	1/2"	
Filter return connection	1/2" BSP female	
Diameter hose return side	1/2"	
Dimensions hxwxd (mm)	710 x 300 x 175	710 x 290 x 325
Pump type	Gear pump	
Power supply E-motor	Various electrical power supplies possible	
Max. tank volume (litre)	±2,700	±5,400
Standard units for larger tank volumes are also available		
Connection oil-analysis: P1 filter inlet side P2 filter outlet side	 Test connector (M16x2) Red... Test connector (M16x2) Yellow	

R.01-04/1GB

KOPPEN & LETHEM

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