

Mounting instructions

1. The OLU4B30 filter is designed for foot mounting.
2. Install the filter upright in a vertical position. Ensure a free distance of 700 mm over the filter top for element change.
3. Mount the filter on a shock or vibration free surface. In case this is not possible please utilise shock absorbers.
4. Make sure the pressure gauge is visible at all times.
5. Enable free access to the minimess sample points.
6. Protect the filter housing against corrosion or aggressive environments.

Hydraulic installation

1. The inlet to the filter is connected direct to the pump. The pump's suction inlet is 1/2"BSP. Other connections are plugged and should not be used without the agreement of RMF personnel.
2. Use the genuine "T" connection (EW 18L 3/4") for the connection direct to tank. The other "T" ports should be closed by means of the provided plugs.
3. Connect the inlet side of the pump direct to tank. Make sure the suction pressure for the filter unit never exceeds a value of -0,5 bar to avoid cavitation of the pump.
4. Connect the "T" port to tank utilising a separate hydraulic line without back pressure. In case the tank is pre-pressurised a maximum back pressure in the filter return line of 1 bar is allowed.
5. The connections to and from the filter should be as short as possible. Always use flexible hoses to connect the filter to the hydraulic system.
Do NOT use Teflon tape or liquid sealant for fitting.
6. Do not use ball valves or other obstructions in the return line of the filter.

Element replacement

1. Ensure the pressure to the filter = 0 bar.
2. Unscrew the top-cover and remove the used filter elements. Make sure these elements are disposed of according to the environmental regulations.
3. Open the element packing and re-place the new elements in the filter housing with the **green bottom part to go in first.**
4. Replace the O-ring in the lid and screw the cover clockwise on the filter housing. Tighten the cover by hand.
5. Start up the hydraulic system.
6. **Element change should take place every 6 months or earlier when the Δp reaches 6,2 bar at operating temperature. At 5,5 bar the indicator signals that element change is coming up.**

Sampling the system oil with a particle counter.

1. Remove the protecting covers and clean both the sample point connectors.
2. Place the return line (when present) of the particle counter on the YELLOW (P2) sample point connector (right side).
3. Place at the same time the inlet line of the particle counter on the RED (P1) sample point connector (left side).
4. Run the necessary particle counts.
5. Disconnect the red (P1) connector after the cleanliness check operation followed by disconnecting the yellow (P2) connector.
6. Re-place the protecting minimess covers.

Electrical installation.

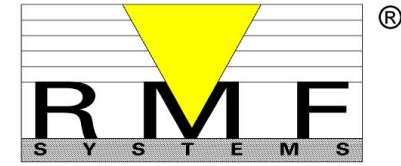
1. Make sure the filter unit is fitted by **qualified personnel.**
2. Check before installation if the electrical data of the E-motor corresponds with the data of the local power supply.
3. Always utilise an ON/OFF switch with an integrated thermal safety.
4. Ensure the E-motor rotates in accordance with the rotation sticker.

Type filter	OLU 4B30
No. of filter housings	4 (double length)
Material filter housing	Anodized aluminium
Seal material	Buna-N standard
Nominal flow	$\pm 16,5$ l/min (Std)
By-pass opening pressure at 0 bar backpressure	$\pm 6,2$ bar
No. of filter elements	8
Length filter elements	300 mm (std)
Max. pressure filter housing	20 bar
Max. oiltemp.	80 °C
Max. viscosity	180 cSt
Indicator type	Gauge glycerine filled
Connection pump suction	3/4" BSP female
Diameter hose suction side	3/4" or larger
Filter return connection	EW 18L / 3/4"
Diameter hose return side	3/4" ; (1" with long hoses)
Dimensions hwxwd in mm	815 x 295 x 495
Pump type	Gear pump
Power supply E-motor	Various electr. Power supplies possible
Max. oil volume (litre)	ca. 10800
Std units for larger volumes are also available	
Connection Oil analysis	
P1 filter inlet side	Test conn. (M16x2) Red
P2 filter outlet side	Test conn. (M16x2) Yellow

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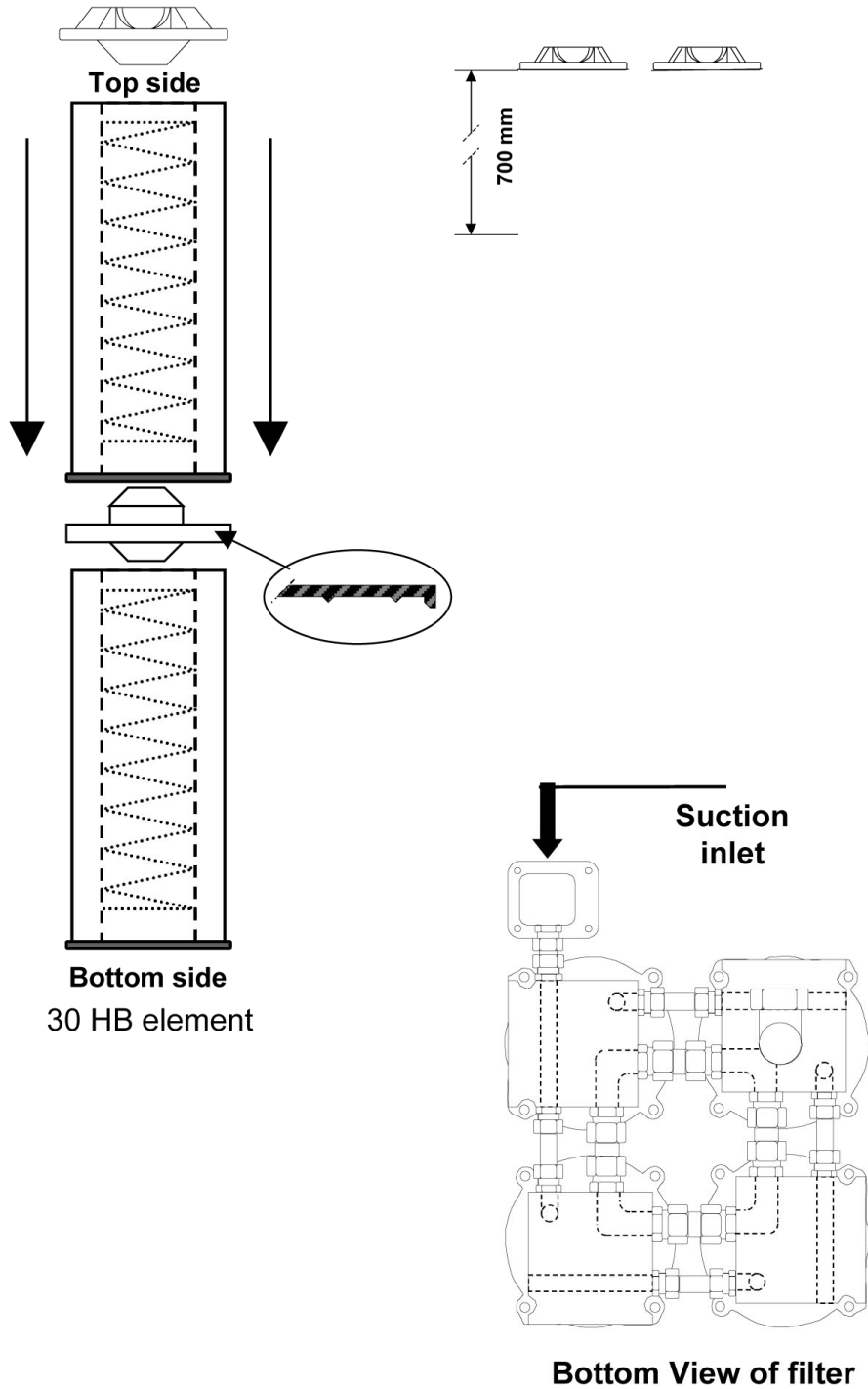
RMF cannot accept responsibility for incorrect installation, maintenance or repair carried out by unqualified personnel.

It is essential to comply with the generally applicable regulations governing accident prevention and safety

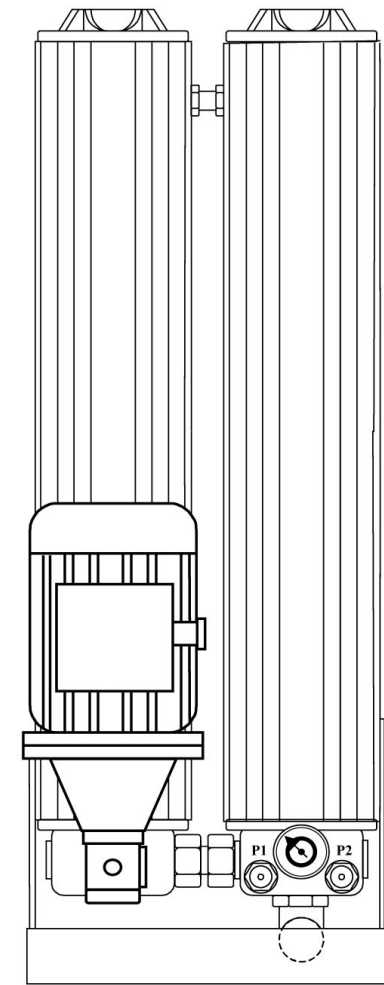


Web site: www.rmfi-filter.at

Technical information and mounting instructions



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