

# AIR CONDITIONERS

## RMF Systems

*The guarantee  
of  
problem free  
hydraulics*



### CONDENSATION IN OIL RESERVOIRS

Hydraulic and lubricating oils must be kept free from contamination and water. Most fluid reservoirs must be able to breathe, thus allowing water vapour and solid contaminants to enter. Temperature fluctuations in the reservoir will cause this water to condense which will not only cause oxidation of the oil, but can also lead to considerable mechanical damage.

### FILTRATION AND DRYING: A SINGLE PROCESS

Standard air conditioners remove some of the solid particles but allow water vapour in the air to pass freely.

The RMF 'Air conditioner' deals effectively with both so reservoirs can breath clean, dry air. The air is first dried by passage through a column packed with Z-R gel granules. The dried air is then passed through a pleated synthetic fibre filter element where solid particles are removed, so that the air reaching the reservoir is both clean and dry.



**ACTIVE**



**REPLACE**

### MONITORING

The uptake of moisture can be observed by the change in colour of the indicator granules in the Z-R gel. They turn from ruby-red (active) to a light orange (replace). The operation of the air filter can be monitored by an optional 'filter minder'.

### BENEFITS RMF 'AIR CONDITIONERS'

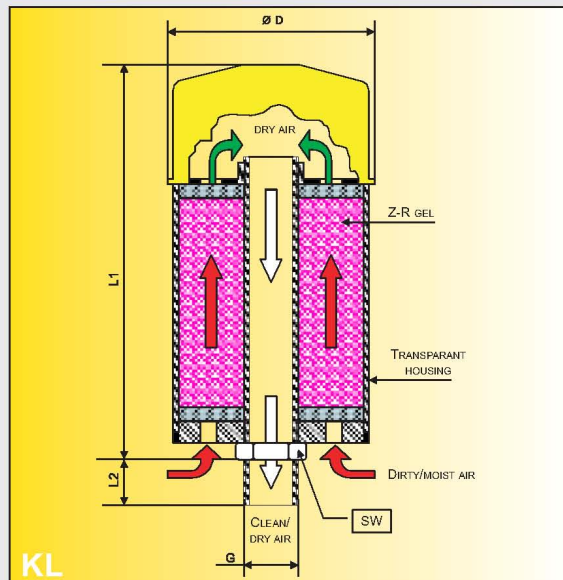
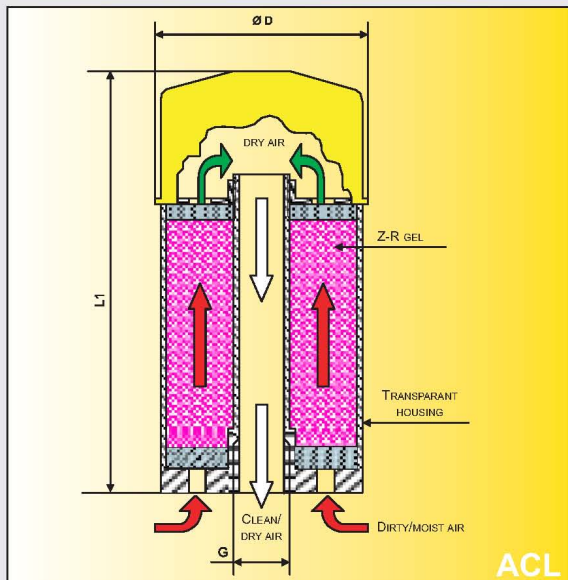
- Reducing water contamination level prolongs the life of the additive package and reduces oxidation of the oil and bearing surfaces.
- Eliminates rusting due to condensation.
- Reduces machine downtime.
- Extends the machine's useful life.
- CUTS COSTS!

### APPLICATIONS

RMF 'Air conditioners' can be used on hydraulic power units, lube and oil tanks, gear-boxes, diesel fuel storage tanks, storage tanks for bio-degradable fluids. Industries that are successfully applying 'Air conditioners' include:

- steel industry;
- aviation industry;
- forestry;
- paper industry;
- cement industry.

# 'AIR CONDITIONERS'



Light version series ACL...R		
Type	ACL93R	ACL96R
Total weight	0.9 kg	1.1 kg
Z-R gel volume	300 cc	600 cc
Water absorption	86 gram	172 gram
Max. air flow	700 l/min	
Absorbion material	Z-R gel 3-6 mm	
Z-R gel	Non toxic	
Dimensions		
Type	ACL93R	ACL96R
L1	150 mm	210 mm
D	Ø 96 mm	
G	3/4" BSP female	

Heavy duty series KL .. R				
Type	KL93R	KL96R	KL121R	KL122R
Total weight	1.2 kg	1.5 kg	2.7 kg	4.0 kg
Z-R gel volume	300 cc	600 cc	1,000 cc	2,000 cc
Waterabsorbtion	86 gram	172 gram	288 gram	576 gram
Max. air flow	700 l/min		1,500 l/min	
Absorbion material	Z-R gel 3-6 mm			
Z-R gel	Non toxic			
Dimensions				
Type	KL93R	KL96R	KL121R	KL122R
L1	160 mm	220 mm	256 mm	366 mm
L2	20 mm		30 mm	
D	Ø 96 mm		Ø 128 mm	
G	3/4" BSP male		1 1/4" BSP male	
Sw	32 mm		50 mm	

### Technical data

Mounting plate 1	Ordering code
KL (ACL) 93 / 96	KL 92
KL 121 / 122	KL 1202

Mounting plate 2	Ordering code
KL (ACL) 93 / 96	KL 95
KL 121 / 122	KL 1205

Mounting plate 3	Ordering code
KL (ACL) 93 / 96	KL 91
KL 121 / 122	KL 1201

All mounting plates are drilled according:  
DIN 24557/2

Filter minder	Ordering code
KL (ACL) 93 / 96	ORM 113
KL 121 / 122	

Your RMF Systems distributor

# SEH

SE HYDRAULICS  
FLUID POWER ENGINEERS

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