

# OIL SEP

## air oil separator for compressors

OIL SEP separators remove lubricant oil from the compressed air stream generated by rotary compressors.

- Filter materials with controlled porosity
- Manufacturing subjected to high quality standards
- High oil removal performances
- Lower lubricant consumption in compressors



Oil separators are used in rotary compressor when mineral, synthetic or partial synthetic lubricants are used.

OIL SEP are manufactured using multiple layers of borosilicate and polyester microfibers and separate lubricants particles from compressed air; the lubricant recovered is re-injected into the lubricant system of the compressor.

The process is based on the coalescing principle: the first layer catches the lubricant micro drops from compressed air while the second layer agglomerate the oil in larger drops that will be sucked in the lubricant circuit of the compressor. The quality of the materials involved together with the best expertise of our manufacturing are able to serve the market with a very reliable product. OIL SEP can be manufactured different in shape, flow direction and performance, including the use of a different filter media to satisfy our customer needs; in this case the engineering is developed with the support of the OEM to include all the necessary devices to have a reliable performing product in any working conditions.

### Characteristics

Description	series K10 - K20 - K30	series K11- K51	series W11
Flow Direction	External / Internal	Internal / External	
Filter media conf.	Wrapped		Pleated
Residual lubricant	1 - 3 ppm		
Max. Temp.	120 °C		
Operating Temperature	1°C / 80° C		
Pressure drop (new)	80 mbar		
Pressure drop (saturated)	200 mbar		
Max. differential pressure	4 bar		
Filter media	Borosilicate and Polyester Microfiber		

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### Selection

Size	Dimensions ( mm )							Fig. N°
	D <sub>1</sub>	D <sub>2</sub>	D <sub>3</sub>	D <sub>4</sub>	L <sub>1</sub>	L <sub>2</sub>	N° holesx Ø	
<b>K20L-140.200.0-04</b>	93	170	140	-	200	12	-	1
<b>K20L-170.232.0-04</b>	125	200	170	-	232	12	-	
<b>K20L-170.305.0-04</b>	125	200	170	-	303	12	-	
<b>K20L-170.388.0-00</b>	125	200	170	-	388	12	-	
<b>K20L-170.437.0-04</b>	125	200	170	-	437	12	-	
<b>K20L-220.435.0-04</b>	165	274	220	-	435	12	-	
<b>K20L-275.305.0-04</b>	220	328	275	-	305	12	-	
<b>K20L-275.750.0-04</b>	220	328	275	-	750	12	-	
<b>K20L-300.502.0-04</b>	245	355	300	-	502	12	-	
<b>K20L-300.600.0-04</b>	245	355	300	-	600	12	-	
<b>K30L-135.175.1-07</b>	76	240	135	216	175	-	6 x 14	2
<b>K30L-135.248.6-04</b>	93	220	135	192	248	12	6 x 15	
<b>K30L-170.230.0-07</b>	106	300	170	270	230	-	8 x 14	
<b>K30L-170.303.6-04</b>	128	300	170	265	303	12	12 x 15	
<b>K30L-170.303.9-04</b>	123	300	170	272	303	12	12 x 14,2	
<b>K30L-170.482.6-04</b>	128	300	170	265	482	12	12 x 15	
<b>K30L-220.353.9-04</b>	165	300	214	272	353	12	16 x 14,2	
<b>K51L-70.175.0-00</b>	40	70	-	-	175	-	-	3
<b>K51L-70.200.0-00</b>	40	70	-	-	200	-	-	
<b>K51L-70.255.0-00</b>	40	70	-	-	255	-	-	
<b>K51L-70.400.0-00</b>	40	70	-	-	400	-	-	
<b>K10L-114.165.0-04</b>	66	114	-	-	165	-	-	4
<b>K10L-114.258.0-04</b>	66	114	-	-	258	-	-	
<b>K10L-114.340.0-04</b>	66	114	-	-	340	-	-	
<b>K10L-114.505.0-04</b>	66	114	-	-	505	-	-	
<b>K10L-170.230.0-00</b>	123	170	-	-	230	-	-	
<b>K10L-220.420.0-04</b>	165	220	-	-	420	-	-	
<b>K10L-220.435.0-00</b>	165	220	-	-	435	-	-	
<b>K10L-300.600.0-00</b>	245	300	-	-	600	-	-	
<b>K10L-300.1000.0-01</b>	245	300	-	-	1000	-	-	
<b>K11L-92.412.0-06</b>	53	92	-	-	412	-	-	
<b>K11L-100.250.0-00</b>	70	100	-	-	250	-	-	
<b>W11-158.490.0-RIS-P1</b>	110	158	-	-	490	-	-	
<b>W11-92.490.0-RIS-P1</b>	53	92	-	-	490	-	-	

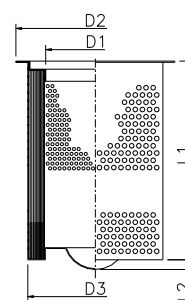


Fig. 1

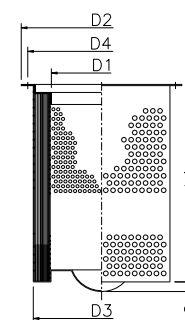


Fig. 2

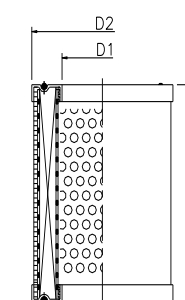


Fig. 3

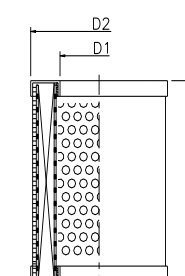


Fig. 4

Please contact our Technical Dept for size different from the one above reported

The data are informative and subject to change without notice. User is responsible for determining whether the product is fit for particular purpose and suitable for User's method of application.

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