



Compressed Air Filters

For Moisture, Oil & Dust removal



Compressed Air Filters

RAXOR compressed air pipeline filters are designed to remove moisture, oil and dust particles from the compressed air and make it suitable for instruments and process air application. RAXOR filters are designed for High Dust load and for continuous removal of moisture and oil content. These filters can remove dust particles down to 0.01 micron and can reduce the oil level down to <0.003 PPM. All filters are made with the die-cast aluminium body with powder coating and the elements are made of high quality Glassfibre material. When used, these filters can give the air quality suitable for even sterile air application.

Under standard conditions these filters are designed for the working period of more than 7000 hrs. of continuous application.

Raxor makes filter Housing with elements of High standard for new projects Installations and also replacement elements for the filters of Ultrafilter, Domnick Hunter, Parker, Atlas Copco, Zander and other world known brands.

Technical Details :

- **Pre filter (Grade V)** : For the removal of particles of 5 μ and above. To be used after the air receiver and before the air dryer.

- **Precision Filter (Grade A)** : For removal of dust particles upto 1 μ and residual oil content <0.1 ppm w/w. Can be used as main pipeline filter before the air dryer or can be used to protect pneumatic tools.

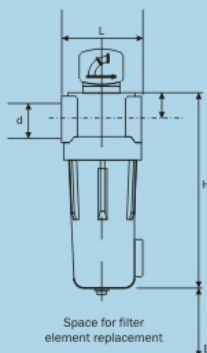
- **Micro Fine Filter (Grade B)** : For removal of dust particles upto 0.1 μ and residual oil content <0.05 ppm w/w when installed with suitable prefilter. This is suitable to be used before and after the air dryer and gives very high quality of air.

- **Ultrafine Filter (Grade C)** : Removal of dust particles upto 0.01 μ and residual oil content of <0.01 ppm w/w when installed with suitable prefilter suitable for high quality air requirements of Textile, Pharma etc and process industries.

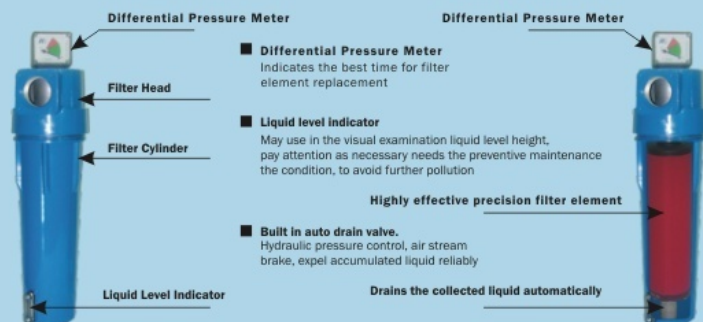
- **Activated Carbon Filter (Grade D)** : For the removal of oil vapour and hydrocarbons odour residual oil content <0.003 ppm w/w

- **Sterile Filter (Grade S)** : Used for removal of Bacteria present in compressed Air, Filter Element of PTFE, Membrane used with Stainless Steel Housing & the Element is Sterilizable upto 50 cycles.

Specifications :



Aluminum alloy shell filter
 Max. working pressure : 16 bar
 Working temperature : upto 65° C



■ **Differential Pressure Meter**
 Indicates the best time for filter element replacement

■ **Liquid level indicator**
 May use in the visual examination liquid level height, pay attention as necessary needs the preventive maintenance the condition, to avoid further pollution

■ **Built in auto drain valve.**
 Hydraulic pressure control, air stream brake, expel accumulated liquid reliably

Drains the collected liquid automatically

Model	Grade	Flow rate at 7 bar, m ³ /hr	Dimension mm			Filter element		
			Line Size (d) inch	L	H	B	Model No.	Qty.
RAF 0060	V	060	1/2"	89	231	126	RE 0060 - *	1
RAF 0216		216	1"	120	299	170	RE 0216 - *	1
RAF 0288	A	288	1 1/2"	120	399	210	RE 0288 - *	1
RAF 0432		432	1 1/2"	120	399	270	RE 0432 - *	1
RAF 0522	B	522	1 1/2"	120	399	270	RE 0522 - *	1
RAF 0650		650	1 1/2"	138	624	490	RE 0650 - *	1
RAF 0720	C	720	2"	160	463	320	RE 0720 - *	1
RAF 0840		840	2"	148	685	560	RE 0840 - *	1
RAF 0960	D	960	2"	148	685	580	RE 0960 - *	1
RAF 1200		1200	2 1/2"	160	863	620	RE 1200 - *	1
RAF 1500		1500	3"	336	1118	920	RE 1500 - *	1
RAF 2000		2000	4"	500	1150	950	RE 2000 - *	2

Notes : 1. Replace * with the desired Grade of Filter Element
2. Please contact for information of sterile Filters (Grade - S) and for Higher Sizes

Pressure correction co-efficient Table

Pressure (Bar)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Correction Coefficient	0.25	0.37	0.5	0.62	0.75	0.87	1	1.12	1.25	1.37	1.5	1.62	1.75	1.87	2	2.12

ISO 08573 -1 Quality Classifications for Compressed Air

Grade	Residual Solids		Residual Water	Residual Oil
	Max Particle Size mg/m ³	Max Concentration mg/m ³	Max Pressure Dew Point °C	Max. Concentration mg/m ³
1	0.1	0.1	-70	0.01
2	1	1	-40	0.1
3	5	5	-20	1
4	40	40	3	5
5	-	-	7	25
6	-	-	10	-

Oil content detector for micro-filtes in accordance with ISO 08573



- ① Air compressor
- ② Air receiver
- ③ Post condenser
- ④ Refrigeration Dryer
- ⑤ Water separator
- ⑥ Absorption Dryer

