



Compressed Air Filters

For Moisture, Oil & Dust removal

Replacement Elements



REPLACEMENT ELEMENTS

SEW 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. SEW 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 Glass fibre material. When used, these filters can give the air quality suitable for even sterile air application.

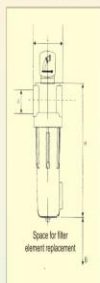
Under standard conditions these filters are designed for the working period of more than 7000 hrs. of continuous application.

SEW makes filter Housing with elements of High standard for new projects Installations and also replacement elements for the filters and other world known brands.

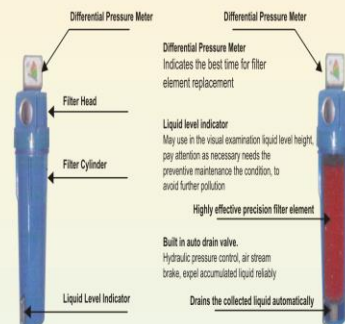
TECHNICAL DETAILS :

- Pre filter (Grade A) : 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 of 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.
- SCW 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 85° C



Model	Grade	Flow rate at 7 bar, m ³ /hr	Dimension mm				Filter element	
			Line Size (d) inch	L	H	B	Model	Qty.
		060	3/4"	89	231	126		1
	V	216	1"	120	269	170		1
		288	1 1/4"	120	369	210		1
	A	432	1 1/2"	120	369	270		1
		522	1 1/2"	120	369	270		1
	B	650	1 1/2"	138	624	490		1
		720	2"	160	463	320		1
	C	840	2"	148	695	590		1
		960	2"	148	695	590		1
	D	1200	2 1/2"	160	863	620		1
		1500	3"	336	1118	920		1
		2000	4"	500	1150	950		2



Industrial Filters

SEW is committed to cost effective innovative products manufactured equivalent to any "world class" filter. We make :

Compressed Air filters
Liquid filters
Gas filters
Pre/MicroVee/HVAC filters
Old size and Customer design
Filters for Earth moving Equipments (of any brand).

Air/Oil/Fuel filters
Hydraulic Filters
Water and Chemical Strainers
Sub Micron (1/0. 1/0.01 μ filters)
Import substitutes filters
R.O/D.G Filters

COALESCING FILTERS :

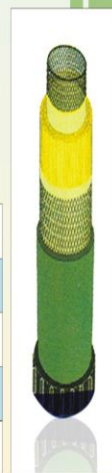
Our Coalescing filters are available from 25 to 0.01 microns. The Prefilters (1 Microns) along with high efficiency (0.01micron) filters and carbon filters shall completely remove oil down to 0.003 ppmW.

Filtration Grades

Element grade	Purpose	Particle removal down to	Efficiency %	Max. Oil content (PPM w/w)
AA	Extra coarse coalescing	25.0 μ	100 @25.0 μ	7.6
A	General purpose coalescing	5.0 μ	100 @5.0 μ	3.9
B	Coarse coalescing	1.0 μ	99.99 @1.0 μ	0.76
C	High efficiency coalescing	0.01 μ	99.999 @0.01 μ	0.008

Selection criteria :-

- * Flow rate: CFM
- * Working Pressure: KG/CM²
- * Efficiency: Microns
- * Filter required for: Air/Oil/Water/To Specify

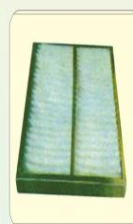


AIR INTAKE FILTER/AIR OIL SEPARATOR ELEMENTS :

We are equipped to supply Suction filters, Spin oil filter, Oil filter, Air Oil Separators of any brand compressor.



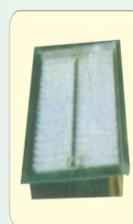
SINTERED BRONZE FILTER ELEMENTS : These filters are produced from spherical bronze powder of closely controlled particle size to give a rigid porous structure of uniform Pore dimensions.



PRE/MICROVEE AND HEPA FILTERS : SEW is committed to manufacture complete range of Pre/MicroVee and HEPA filters suitable for all pharmaceutical applications.

Our HEPA filters are manufactured in accordance with EN-1822.

Media : Water proof glass fibre
Separators : Aluminium/Hot Melt
Frame : G.I./Anodized Aluminium
Bond : Cold cured Resin
Gasket : Poly urethane
Temp : 70°C (*Higher Temp on request)
Size : 610x610x300/610x610x150



PRE-FILTER, FINE FILTER CASSETTES FOR PAINTSHOPS AND VENTILATION

Cassettes made of G.I. Sheets/M.S. With Epoxy
Paint./FRP.
E.P.F.C. (PRE-FILTERS)



SIZE IN MM W X H X D	RATED AIR FLOW		FACE AIR VELOCITY (m/sec)	MEDIA AREA (Sq.mtr)	DUST HOLDING CAPACITY gm/ cassette
	CFM	CMH			
303X303X25	300	500	1.5	0.09	40
303X303X50					
400X400X25	500	850	1.5	0.16	75
400X400X50					
500X500X25	800	1350	1.5	0.25	115
500X500X50					
610X610X25	1200	2000	1.5	0.37	170
610X610X50					
610X610X125	2000	3400	2.5	0.63	290
610X610X152					
500X500X50	1060	1800	2.0	0.33	155
610X610X152	3530	6000	4.5	1.11	510
610X610X152	5000	8500	6.3	1.57	725

Media will be Syntasan U15, U25T, U29B, U35, U50
Etc from EMW-BETRIEBE

SIZE IN MM W X H X D	RATED AIR FLOW		FACE AIR VELOCITY	MEDIA AREA	DUST HOLDING CAPACITY
	CFM	CMH	(m/sec)	(Sq.mtr)	gm/ cassette
303X303X50	300	500	1.5	0.20	60
400X400X100	500	850	1.5	0.34	102
500X500X50	530	900	1.0	0.36	100
600X600X100	800	1350	1.5	0.54	162
610X610X100	1000	1700	1.3	0.69	207
610X610X152					
610X610X235	2000	3400	2.5	1.35	405
610X610X305					
610X610X50	545	925	1.0	0.37	118
610X610X305	2265	3850	2.9	1.53	490
500X500X305	2590	4400	3.3	1.75	560
610X610X305	3530	6000	4.5	2.38	762

Media will be Syntasan C3, C5, C5G, (Polypropylene
70% Polyester 70%) ETC FROM EMW-BETRIEBE

SS Cartridge



Melt Blown Cartridge



Bag-Filter



String Wound Cartridge



Filter Cartridge and Housings



Plastic Housing



Manufactured by :

SUMIT ENGINEERING WORKS

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New Delhi-110044

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Resi.: 011-26661354

Email : sumitenggworks@gmail.com
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Website : www.sumitengineering.com

Authorised Distributors :-



- Air Cleaners & Assembly • Oil Filters • Fuel Filters • Air Handling Filters
- Hydraulic Filters & Stainers • Air - Oil Separators • Polyurethane Filters

QUANTITY **A**FFORDABLE PRICE **E**X-STOCK DELIVERIES
PROMPT SERVICE

Few Users of SEW R.O & Industrial Filters

Out of 1000 Plus are...

LUMAX, AMIL LTD, Naimex, Aerostar Helmets Ltd. ISO-9001 Co.,

Bajaj Eco-tec Products Ltd. Thai Summit Neel Auto Pvt. Ltd., Iteron, Suzuki

ESCORTS Yakult, Pranav Vikas (India) Pvt. Ltd. ISO/TS 16949 : 2002 Co. JCB

Trelleborg Auto Motive Pvt. Ltd. ISO/TS 16949 Co., Mahrani Paints Pvt. Ltd.

Maruti Suzuki India Ltd. Anmol Baker Pvt. Ltd.

HONDA