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I Compressed Air Coalescent Filters I

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16 Bar Compressed Air Coalescent Filters

The unique plastic mouldings provide consistent and reliable operation through all operating conditions. It's highly resistant to temperature fluctuation, oil, water and various chemicals. The top locking ring guarantees a secure sealed connection in the filter housing

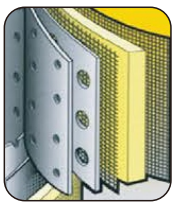
Stainless Steel mesh provides a high filtration surface area with low differential pressure drop

Multiple filtration layers
First layer provides protection between the stainless steel mesh core and the primary filtration layers

High quality filter media ensures maximum filtration area with minimal pressure drop which inturn provides longer service life

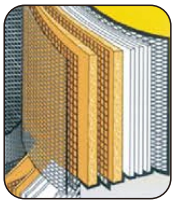
A centre connecting rod along with epoxy sealed end caps ensure superior durability and reliability.

Filter Element Types



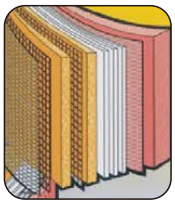
Stage 1 Separator Filter (G)
For bulk liquid removal plus 1 3 Micron coalescer (5ppm w/w maximum remaining oil content).

Two Stage Filtration
- Stage one; two differently sized stainless steel orifices provide 10 micron mechanical separation.
- Stage two, In-depth fibre media captures solid and liquid particles to 3 micron.



Stage 2 Separator Filter (L)
For removal of liquid water and oil, removes up to 99.3% of contaminates from compressed air

Corrosion resistant inner and outer cores. Two phase filtration
- Stage one; captures larger particles with alternate layers of fibre media and media screen.
- Stage two; coalesces aerosols and captures solid particles with multiple layers of epoxy bonded, blended fibre media.



High efficiency oil removal filter (M)
For removal of fine liquid water and aerosols, removes up to 99.92% of contaminates from compressed air.

Corrosion resistant inner and outer cores. Two phase filtration
- Stage one; multiple layers of bonded, blended fibre media for fine coalescence.
- Stage two; additional layers of bonded, blended fibre media, with an outer coated, needle fibre sleeve.

Oil vapor removal filter (X)
For removal of oil and hydrocarbon vapors normally absorbable by activated carbon: removes solid particles to 0.01 micron (0.003 ppm w/w maximum remaining oil content.

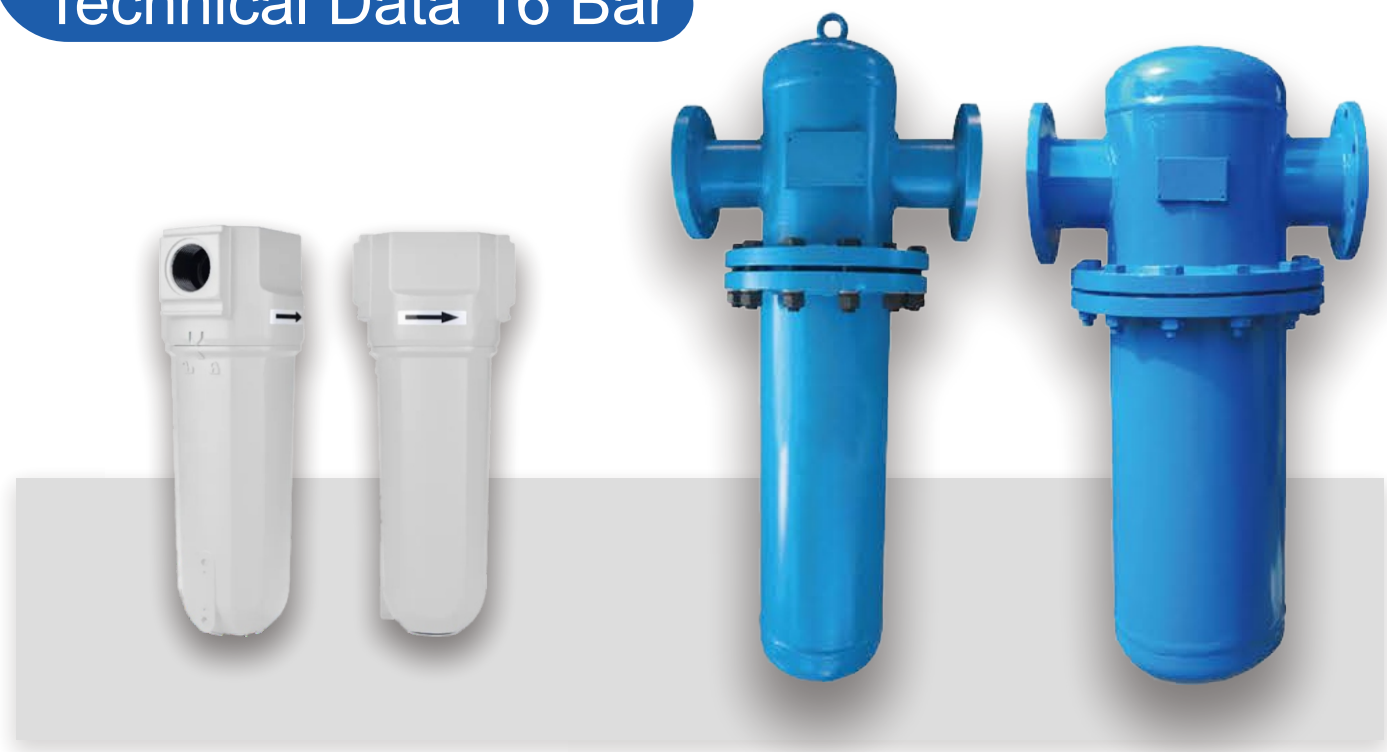
Corrosion resistant inner and outer cores. Two phase filtration
- Stage one; a stabilised bed of finely divided carbon particles removes the majority of the oil vapor.
- Stage two; multiple layers of fibre media with bonded micro fine carbon particles removes the remaining oil vapor.

Outer coated, fibre needle sleeve, along with multiple layers of fine media prevent particle migration. Designed for 1000 hour life at rated conditions. for oil free applications rate life span may differ

Ultra high efficiency particulate removal filter (Lp Mp)
For removal of ultra fine particles, removes (Lp) 99.2% and (Mp) 99.98% of contaminates from compressed air

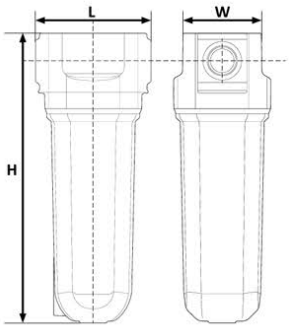
Corrosion resistant inner and outer cores. Two phase filtration
- Stage one; coated, fibre needle sleeve acts as a pre-filter and flow disperser.
- Stage two; multiple layers of matrix blended needle fibre media for ultra fine coalescence.

Technical Data 16 Bar



Max W.P. :
- Threaded connection: 16 Bar
- Welded body / Flanged Connection: 10 Bar

Differential Pressure: 0.07 Bar
Volumetric Flow Rate: 1 - 400 Nm³/min
Operating Temp. Range: 1.5-80°C
Service Life of element (based on ideal conditions): 6,000 hours.



Model AF (L,M,X,Lp,Mp)	Capacity Nm³/min	Air Connections	Dimensions L	W	H	Weight KG
20-15	1.4	G1/2"	102	76	260	1.5
20-20	1.4	G3/4"	102	76	260	1.5
20-25	1.4	G1"	102	76	260	1.5
40-25	2.4	G1"	102	76	260	1.7
65-40	3.8	G1 1/2"	134	85	330	3
110-40	6.5	G1 1/2"	134	85	428	4
140-40	8.5	G1 1/2"	134	85	428	4.5
180-50	10.7	G2"	160	108	555	5.5
225-50	13.5	G2"	160	108	555	7.5
300-63	18	G2 1/2"	170	115	590	12
300-65F	18	DN65	310	133	910	25
420-63	25	G2 1/2"	205	180	620	15
420-80F	25	DN80	370	159	1006	44
470-80	28	G3"	205	180	620	15
470-80F	28	DN80	370	159	1360	52
580-80	35	G3"	205	180	810	17
580-80F	35	DN100	449	219	1164	65
750-100F	45	DN100	449	219	1164	68
920-125F	55	DN125	513	273	1218	96
1080-125F	65	DN125	513	273	1218	98

40 Bar Compressed Air Coalescent Filters

CNC machined Stainless steel filter housings
Filter elements and housings are designed to withstand operating temperatures up to 100°C
Can be used in some specialised gas applications.

Differential Pressure: 0.07 Bar
Max Working Pressure: 40 Bar
Volumetric Flow Rate: 1 - 400 Nm³/min
Operating Temp. Range: 1.5-100°C
Service Life of element (based on ideal conditions): 6,000 hours.

Model AFH (L,M,X,Lp,Mp)	Capacity Nm³/min	Air Connections	Dimensions L	W	H	Weight KG
20-20	1.4	G3/4"	88	80	274	4
20-25	1.4	G1"	88	80	274	4
40-25	2.4	G1"	88	80	274	4.5
60-25	3.8	G1"	88	80	274	7
110-40	6.5	G1 1/2"	118	106	520	12
140-40	8.5	G1 1/2"	118	106	520	12.5
180-40	10.5	G1 1/2"	118	106	600	15
225-40	13.5	G1 1/2"	118	106	600	15.5
300-50F	18	DN50	310	133	860	38
420-65F	25	DN65	379	133	1040	65
470-65F	28	DN65	370	159	1215	78
580-80F	35	DN80	451	219	1129	97
750-80F	45	DN80	451	219	129	102
920-100F	55	DN100	513	273	1207	144
1080-100F	65	DN100	513	273	1207	145
1420-125F	85	DN125	560	325	1187	210