



**AIR CARE MU “μ” SERIES**  
*High Efficiency Compressed Air Filters*



# Air Care MU “μ” - Series Compressed Air Filters

Air Care Technology has developed an innovative compressed air filters, MU “μ” series to reduce all types of contamination in any process. Air Care MU “μ” series filters are designed for maximum contamination removal with minimum pressure drop.

## **BENEFITS:**

- Minimum pressure loss to safe operation cost.
- Suitable for all air applications and any air compressor types.
- Tested to ensure air quality conforming to compressed air requirements.
- Compatible to all compressor oil.
- ISO 12500-1:2007 validated

## **Housing Features:**

### **INNOVATIVE DESIGN IMPROVES**

Air Care MU “μ” Series filters adopt a smooth curve for the inlet flow path. This unique engineering design will minimize the flow resistance as compare to the traditional 90 degree bend which create more turbulence flow..

### **EASY ELEMENT CHANGE**

Push-fit filter elements with double O-rings enable easy element replacement.

### **ANTI CORROSION ALUMINIUM FILTER HOUSING**

Air Care MU “μ” series filter housing are treated and powder coated to prevent corrosion even in harsh environment.

### **HIGH EFFICIENCY DRAINAGE LAYER**

Polyester needle felt sock suitable for high temperatures and resistance of synthetic oils.

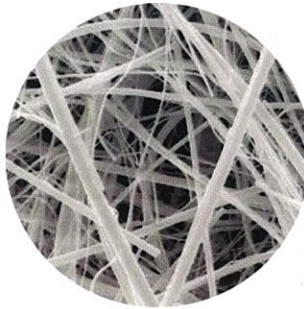




# Air Care MU “μ” - Series Compressed Air Filters

## Consistent And Accurate Selection Of Filtration Media

Coalescing and dust removal filters are constructed using high efficiency borosilicate micro-glass fibre result in effective filtration and high degree of dirt holding capacity. Its hydrophobic property also enable it to repel water droplets effectively.



## Element Features:

### DOUBLE O-RING FITTING

Double O-Ring Fitted to ensure no leakage and complete filtration of the incoming air.

### PERFORATED STAINLESS STEEL CYLINDER

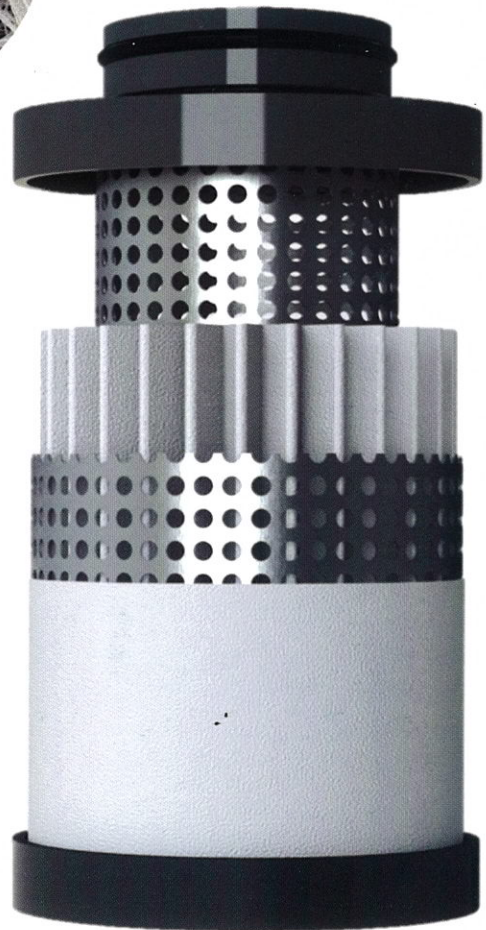
Provides strength, rigidity and corrosion resistance.

### LARGE FILTRATION AREA

Air Care filter elements are made using deep bed pleating filter media to overcome conventional wrapped construction which provides up to 400% more filtration area.

Deep bed pleating technology also reduces pressure loss due to lower air flow velocity within the filter media at the same time increases the filtration performance.

Coalescing and dust removal filters are constructed using high efficiency borosilicate micro-glass fibre which result in effective filtration and high dirt holding capacity.



## Alternative Filter Elements

Air Care Technology offers a complete range of alternative replacement elements. We have constructed a huge range of alternative filter elements of different models and brands in the market.

## Accessories & Parts

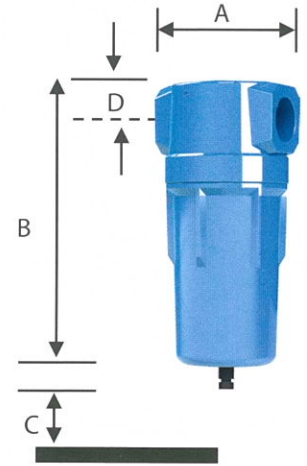


# Technical Specification

Technical information below refers to nominal operating condition of 7 barg at 20°C.

Maximum operating condition: Inlet air pressure at 16 barg, inlet air temperature at 120°C

Filter Model	Pipe Size	Flow Rate		Dimensions (mm)				Weight kg	Replacement Element
		m <sup>3</sup> /min	scfm	A	B	C	D		
F013*	1/2	1.3	46	87	212	60	21	1.10	E013*
F020*	3/4"	2.0	71	87	272	80	21	1.30	E020*
F035*	1"	3.5	124	126	288	100	34	2.80	E035*
F058*	1 1/2"	5.8	205	126	377	120	34	3.20	E058*
F088*	1 1/2"	8.8	311	126	480	140	34	3.90	E088*
F138*	2"	13.8	487	166	575	180	50	9.40	E138*
F178*	2"	17.8	629	166	710	200	50	11.30	E178*
F268*	2 1/2"	26.8	947	166	950	300	50	13.90	E268*
F520*	DN100	52	1,837	390	1100	550	210	72.00	2 X E260*
F780*	DN100	78	2,755	450	1150	550	240	96.00	3 X E260*
F1040*	DN150	104	3,673	580	1240	550	235	180.00	4 X E260*
F1300*	DN150	130	4,592	580	1240	550	300	185.00	5 X E260*
F1560*	DN200	156	5,510	640	1260	550	310	225.00	6 X E260*



\* = [Grade] M3 = [3 Micron] M1 = [1 Micron] MX = [0.01 Micron] AC = [Activated Carbon]

Grade	Description
M3 3 Micron	Pre filter capable of removing emulsion and contaminants down to 3 micron.
M1 1 Micron	High efficiency general purpose filters, particles removal down to 1 micron, maximum content of residual oil 0.1 mg/m <sup>3</sup> .
MX 0.01 Micron	High efficiency oil removal filters, particles removal down to 0.01 micron, maximum content of residual oil 0.01 mg/m <sup>3</sup> .
AC Activated Carbon	High efficiency activated carbon filters for removal of oil vapours and odours, maximum content of residual oil 0.003 mg/m <sup>3</sup> at 25°C.

## Correction Factor For Operating Pressure Changes

Inlet Air Pressure [bar g]	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Factor	0.25	0.38	0.5	0.65	0.75	0.88	1	1.13	1.25	1.38	1.5	1.63	1.75	1.88	2	2.13

## AIR CARE TECHNOLOGY (M) SDN BHD

No 7, Jalan Anggerik Mokara 31/52, Kota Kemuning, Seksyen 31, 40460 Shah Alam, Selangor Darul Ehsan, Malaysia.

Tel: +603 5121 0082 Fax: +603 5122 3830 [www.aircaretechnology.com.my](http://www.aircaretechnology.com.my)