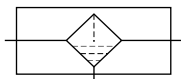


# HIGH EFFICIENCY COALESCING FILTERS

**Model : MF 10/ MF 11 SERIES (MINI)**  
**SERVICE :- COMPRESSED AIR & GASES**

## Technical Data



### Filter Element

The disposable filter element is made of Borosilicate glass fibre media. It is capable of withstanding high operational pressure without distortion or loss of dimensional integrity.

**GRADE XO** : HIGH EFFICIENCY GENERAL PROTECTION FILTER.

**REMOVAL** : DUST / SOLID CONTAMINATION / WATER / OIL.

**RATING** : 1.0 Micron

**EFFICIENCY** : 0.5 mg/m<sup>3</sup> at 20°C  
(Preceed With Grade XF Element)

**GRADE XA** : HIGH EFFICIENCY OIL REMOVAL FILTER.

**REMOVAL** : DUST / SOLID CONTAMINATION / WATER /  
OIL AEROSOLS.

**RATING** : 0.01 Micron

**EFFICIENCY** : 0.01 mg/m<sup>3</sup> at 20°C  
(Preceed With Grade XO Element)

### Application

The MF High efficiency coalescing filters are available in pipe size from 3mm (G 1/8) and 6mm (G 1/4). It is designed for applications where all solid particles of upto 1.0 / 0.01 micron size or larger are to be removed from the air supply alongwith oil and water aerosols upto 0.5 / 0.01mg/m<sup>3</sup>. The reason is that, these filters are so efficient that as the air is directed through the wrapped filtering media, solid contamination of 1.0 / 0.01 μ size are trapped by Interception, Inertia Impact and Diffusion at low velocities, aerosols are coalesced to form liquid droplets which are permanently removed from the air stream and captured into the sump. It finds applications where space is limited, such as small control panel, miniature circuits, dental chair & their pneumatic tools. It is having rugged aluminium body with polycarbonate plastic safe-view bowl or optional metal bowl.

### Features \* \* \* \* \*

- ★ Initial low cost
- ★ Ideal for spary painting / Powder Coating.
- ★ Dental chair & their very sensitive tools.
- ★ No tools required for servicing.

### Standard Features

**Drain** : Manual Drain, (for timed drain use MEDV-01)  
**Drain Capacity** : 30 ml.

MF Series filters must be preceded by pre. filter of 5 Micron for long service life.

### Size / Model

SIZES	MODELS		FLOW RATE
	PLASTIC BOWL	METAL BOWL	
G1/8	MF-10-06-01-XO	MF-11-06-01-XO	6 SCFM
	MF-10-06-01-XA	MF-11-06-01-XA	
	MF-10-06-01-XCS	MF-11-06-01-XCS	
G1/4	MF-10-06-02-XO	MF-11-06-02-XO	(10 NM <sup>3</sup> /hr)
	MF-10-06-02-XA	MF-11-06-02-XA	
	MF-10-06-02-XCS	MF-11-06-02-XCS	

Flow at 7 Kg/cm<sup>2</sup>, 7 psi drop @ 20° C.

# Airmatic



### Material Construction

**Body** : Aluminium  
**Bowl** : Transparent Polycarbonate or Aluminium  
**Element** : Borosilicate Glass Fibre Media

### Condition Of Use

	Poly Bowl	Metal Bowl
Max. Supply Pressure	12 Kg/cm <sup>2</sup>	18 Kg/cm <sup>2</sup>
Max. Op. Temp.	65°C	
Initial Pressure Drop	1PSI / 1.5PSI (XO/XA)	

### Service Kits

Element Kits	1.0 Micron	E 0006 XO
	0.01 Micron	E 0006 XA
Service Kit	MFO	

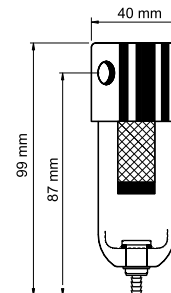
### Model Ordering Code Instruction

**MF - 10 - 06 - 01 - - - XO -**

Type Mini Filter	Pressure Blank - 12Kg	Sizes 01 - G1/8 02 - G1/4	Element Grade XO - 1.0 Micron XA - 0.01 Micron XCS - Activated Carbon	Drain Blank MEDV-01 PD PT	- Semi Auto - Electronic - Plastic Manual - Push Type
Bowl 10 - Polycarbonate 11 - Metal	Flow 6 - 6 SCFM	Connection N - NPT Blank - BSP			

### Dimensions / Weights

**Weight**  
Plastic Bowl = 0.125 Kg.  
Metal Bowl = 0.155 Kg.



ALL DIMENSIONS ARE IN MM.

## Shah Pneumatics

**Regd. Office : 28-30, Navketan Industrial Estate,  
Mahakali Caves Road, Andheri (East),  
Mumbai - 400 093, INDIA.**

**Phone : +91-22-6695 1090, 2687 5314 Fax: +91-22-2687 5317**

**E-mail : shahpneu@bom3.vsnl.net.in**

**Website : www.shah-pneumatics.com**

MINI HIGH EFFIC. COALESCING FILTER CAT.