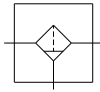


# HIGH EFFICIENCY COALESCING FILTERS

**Model : PVI / PVA SERIES**  
**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

This PVI / PVA High efficiency coalescing filters are available in different flow ratings from 127 up to 307 scfm and in pipe sizes (G1) to (G2). 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>. 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, Inertial 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. Material of construction being in S.S. 304, it does not require painting or powder coating.

### Features

- ★ Ideal for Pharma Industry, Chemical Industries.
- ★ Low Pressure Drop.
- ★ Initial low cost.
- ★ No tools required for servicing.

### Standard Features

**Drain** : Manual Drain (Specify EDV-02 for timed drain valve).  
 A PVI/PVA Series Filters must be preceded by PreFilter of 5 Micron for long service life.

### Material of Construction

**Body** : S.S. 304  
**Bowl** : S.S. 304  
**Element** : Borosilicate Glass Fibre Media

# Airmatic



### Sizes / Model

SIZES	MODELS	FLOW RATE
G1	PVI-011-BBE-XO-0127	127 SCFM
	PVI-011-BBE-XA-0127	(216 NM <sup>3</sup> /hr)
G1	PVI-011-BBE-XO-0307	170 SCFM
	PVI-011-BBE-XA-0307	(290 NM <sup>3</sup> /hr)
G2	PVI-011-CBE-XO-0307	307 SCFM
	PVI-011-CBE-XA-0307	(522 NM <sup>3</sup> /hr)

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

### Condition Of use

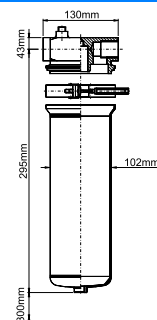
Max. Working Pressure	7 Kg/cm <sup>2</sup>
Max. Op. Temp.	65°C
Initial Pressure Drop	1PSI / 1.5PSI (XO/XA)

### Model Ordering Code Instruction

<b>PVI - 01 - 1 - B - B - E - XO127 - D2 - *</b>				
<b>Filter Type</b>	<b>Element Length</b>	<b>Connection Style</b>	<b>O' Ring</b>	<b>Drain</b>
PVI - Industrial Style	1 - 10 Inches	B - BSP	E - EPDM	D2-Ball Valve
PVA - Sanitary Style	2 - 20 Inches	T - Triclamp	S - Silicon	G1/4
	3 - 30 Inches	W - Weld		
		F150 - Flange ASA150		
<b>No of Element</b>	<b>Connection Size</b>	<b>Element Model</b>	<b>Accessories</b>	
01 - One	B - 1"	XF25 - 25 Micron		
	C - 2"	XO - 1.0 Micron		
		XA - 0.01 Micron		

### Dimensions / Weight

Weight PVI / PVA = 4.535 Kgs. @ (PVI-011-BBE)



ALL DIMENSIONS ARE IN MM.

## Shah Pneumatics

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