



AIR BREATHERS

VESCOR® Air Breathers and Air Breathers with Silencers are used at the point of air intake to provide 99+% efficient filtration at 10 microns (per SAE fine dust test)

VESCOR® Air Breathers stop airborne dirt from entering the reservoir as the oil is removed. They provide clean, filtered air to replace the oil.

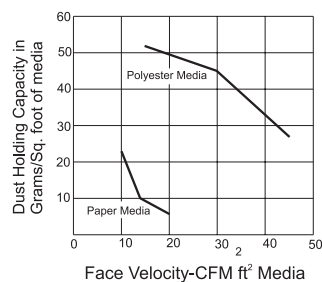
Tube silencers in housing decreases noise from 5 to 15 dB. Moisture-resistant polyester cloth element handles hot air and oil mist. Rugged, all steel weather hood.

Replacement Filters for the use with VESCOR® Air Breathers are specifically designed to withstand strong pulsations of air. Easy to replace. Model number with "P" include polyurethane prefilter to increase dust loading capacity 40 to 50%.



Replacement Elements

Influence of Face Velocity on Dust Holding Capacity



Dust Removal Efficiency

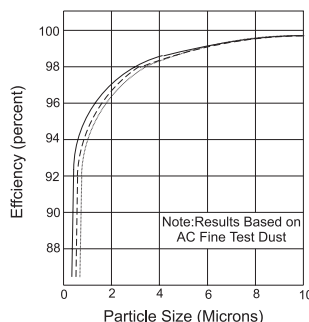
Dust removal efficiency of polyester media at face velocity of:

15CFM/FT² - Media _____
30CFM/FT² - Media _____
45CFM/FT² - Media _____

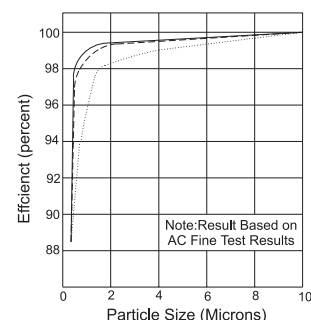
Dust removal efficiency of paper media at face velocity of:

15CFM/FT² - Media _____
30CFM/FT² - Media _____
45CFM/FT² - Media _____

POLYESTER



PAPER



- high temperature plastisol endcaps
 - reinforced with epoxy coated steel wire on both sides of polyester
 - nominally 99+% efficient at 10 microns
 - washable-lukewarm water and mild detergent
 - dust loading capacity is increased 40-50% with polyurethane prefilter
- ADVANTAGES
- less maintenance, longer life
 - more durable
 - moisture resistant
 - handles hot air and oil mist

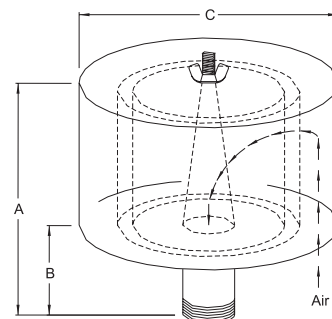
- plastisol endcaps
 - heavy duty industrial strength paper
 - nominally 99+% efficient at 10 microns
 - reinforced with heavy gauge zinc plated expanded metal
 - dust loading capacity is increased 40-50% with polyurethane prefilter
- ADVANTAGES
- less expensive
 - more surface area per given size
 - higher efficiency

Vescor Part Numbers				Effective Surface Area of Element in Square Feet		Dimensions		
Polyester Element	Paper Element	Wire Mesh Element	Flow CFM	Polyester	Paper	ID	OD	HT
E19P	E18P	E18S	100	1.5	3.0	3"	4 ³ / ₄ "	4 ³ / ₄ "
E31P	E30P	E30S	195	2.3	5.7	3 ³ / ₈ "	5 ³ / ₄ "	4 ³ / ₄ "
E231P	E230P	E230S	300	4.5	10.9	3 ³ / ₄ "	5 ³ / ₄ "	9 ¹ / ₂ "



Features:

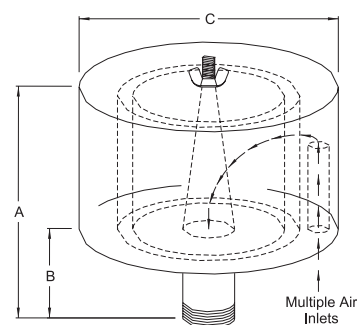
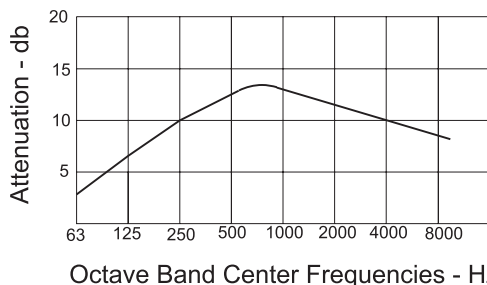
- ### Normal Flow Curve



Series AF (with Silencers)

Features:

- ### Typical Noise Attenuation - AF Series



ORDERING INFORMATION

Example:

FILTER SERIES AB - E19P - 150

ELEMENT PART NO.
ODD #'S = POLYESTER
EVEN #'S = PAPER
P = POLYURETHANE FOAM
PREFILTER INCLUDED

CONNECTION SIZE
 125 = 1¼" NPT
 150 = 1½" NPT
 200 = 2½" NPT
 250 = 2½" NPT
 300 = 3" NPT

NOTE: WITH VESCORS' POLICY OF CONSTANTLY IMPROVING ITS PRODUCTS, SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.