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.

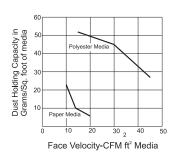
Tube silencers in housing decreases noise from 5 to 15 dB. Moisture-resistant polyester cloth element handles hot air and oil mist. Rugged, all steel weather hood.

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:

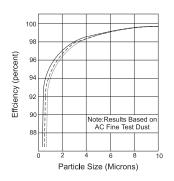
15CFM/FT² - Media

30CFM/FT² - Media

45CFM/FT² - Media

45CFM/FT² - Media

POLYESTER

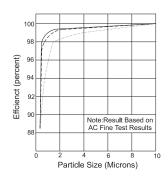


- high temperature plastisol endcaps
- reinforced with epoxy coated steel wire on both sides of polyester
- nominally 99+% efficient at 10 microns
- · washable-lukewarm water and mild detergent
- dust loading capacity is increased 40-50% with polyurethane prefilter

ADVANTAGES

- less maintenance, longer life
- more durable
- moisture resistant
- · handles hot air and oil mist

PAPER



- · 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

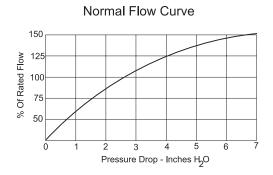
		Effective Surface Area of Element in Square Feet		Dimensions				
Polyester Element	Paper Element	Wire Mesh Element	Flow CFM	Polyester	Paper	ID	OD	HT
E19P	E18P	E18S	100	1.5	3.0	3"	43/4"	43/4"
E31P	E30P	E30S	195	2.3	5.7	33/8"	53/4"	43/4"
E231P	E230P	E230S	300	4.5	10.9	33/4"	53/4"	91/2"

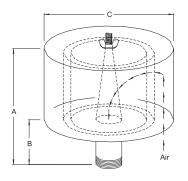
AIR BREATHERS

Series AB

Features:

- Fully drawn weatherhood no welds to rust or vibrate apart
- Low entrance velocity between base and cover minimizes pressure drop.
- Center yoke bracket located for minimal flow restriction
- Durable heavy gauge steel base with low pressure drop pipe design
- Durable carbon steel construction with baked enamel finish





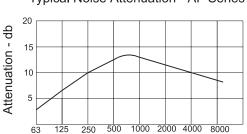
Vescor Model Numbers AB Series			Effective Surface Area of Element		Application CFM			Dimensions		
Polyester Element	Paper Element	Wire Mesh Element	in Squa Polyester		Pulsating Flow	Continuous Flow	NPT Connection	A	В	C
AB-E19P-125	AB-E18P-125	AB-E18S-125	1.5	3.0	60	80	11/4"	6½"	1½"	6"
AB-E19P-150	AB-E18P-150	AB-E18S-150	1.5	3.0	60	80	1½"	6½"	1½"	6"
AB-E31P-200	AB-E30P-200	AB-E30S-200	2.3	5.7	60	135	2"	71/4"	21/4"	7¾"
AB-E31P-250	AB-E30P-250	AB-E30S-250	2.3	5.7	80	195	2½"	7½"	21/2"	73/4"
AB-E231P-300	AB-E230P-300	AB-E230S-300	4.5	10.9	300	300	3"	13"	3"	10"

Series AF (with Silencers)

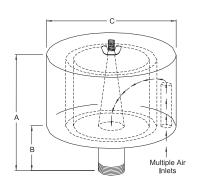
Features:

- Fully drawn weatherhood no welds to rust or vibrate apart
- Tubular silencing design tubes positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with baked enamel finish
- · Low pressure drop center bracket and pipe design
- · Interchangeable elements

Typical Noise Attenuation - AF Series







Vescor Model Numbers AF Series			Effective Surface Area of Element		Application CFM			Di	Dimensions		
With Polyester Element	With Paper Element	With Wire Mesh Element	in Squa Polyester		Pulsating Flow	Continuous Flow	NPT Connection	A	В	C	
AF-E19P-125	AF-E18P-125	AF-E18S-125	1.5	3.0	60	60	11/4"	6½"	1½"	6"	
AF-E19P-150	AF-E18P-150	AF-E18S-150	1.5	3.0	60	80	1½"	6½"	1½"	6"	
AF-E31P-200	AF-E30P-200	AF-E30S-200	2.3	5.7	60	135	2"	71/4"	21/4"	10"	
AF-E19P-250-97	AF-E18P-250-9T	AF-E18S-250-9T	1.5	3.0	60	100	21/2"	81/4"	31/4"	6"	
AF-E231P-300	AF-E230P-300	AF-E230S-300	4.5	10.9	200	300	3"	12½"	2½"	10"	

