

CADILLAC MINI-PLEATE FILTER

Cadillac minipleated filters are manufactured by spacer made up of thermoplastic hot melt adhesive provide a uniform spacing of the pleates. This minipleate filters are of two types – a) "V" types b) Box type

Minipleat "V" types

This filters are manufacture in Cellulose and Glass fiber paper. Standard size is 610 X 610 X 300mm, Maximum flow 4000 m3 per hour. Advantage – High flow, Low pressure drop, Longer service life. Efficiency – 95% down to 5 (micron) to 99-97 down to 0.3.(Micron)

Application

Air Separation plant, Centrifugal Compressor, Thermal Power Station, Pharmaceutical, Hospital, etc

Mini-pleated Hepa Filter (Box type)

Feature :

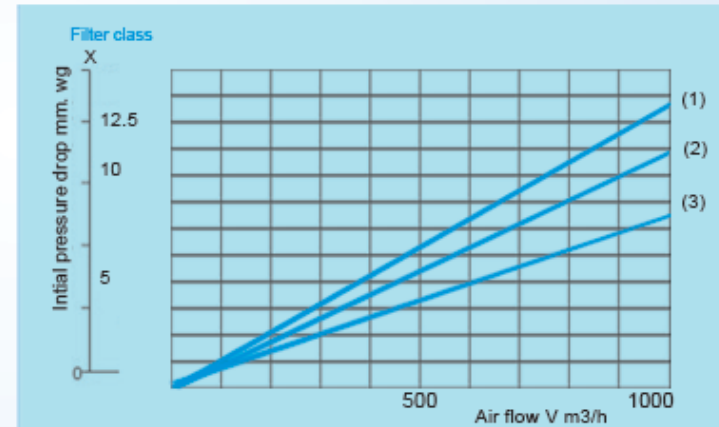
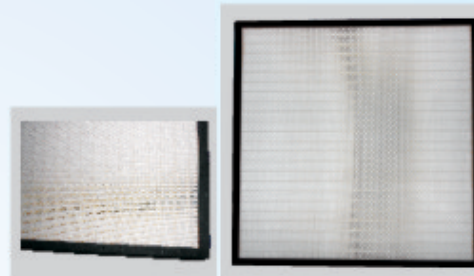
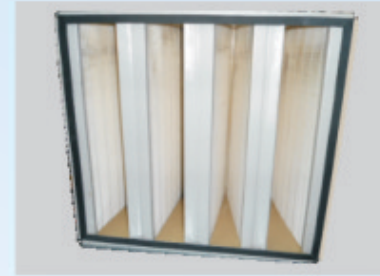
a) Low Pressure Drop. b) Thin Thickness. Light weight 69 mm. 90 mm. 110 mm are available. c) High Efficiency. d) Low Operating Cost. e) Tested precisely one by one 0.1-0.5 MPPS Efficiency 99.99%. f) Technology in patent to assure the high dust arrestance and low resistance, regular & stable air flow durability.

Application:

It is widely used in the terminal filtration of the civil or industrial cleaner places requiring a higher degree of cleanliness such as electronics machinery. Pharmaceuticals, Hospital, food etc.

Material

Filter Class : H10-H14,
Frame : aluminum alloy, surface anodized
Media : superfine fiberglass filter paper
Separator : hot melt adhesive:
Face net : Coated mesh white
Gasket : EVA
Sealant : Polyurethane
Temp : 80
Humidity : 100%



TECHNICAL DATA :

Model	Size (MM) W*H*D*	Rated Air Velocity m3/h	Holding Capacity	Air flow m/s	Initial Pressure resistance/Pa	Final Pressure resistance/Pa	Efficiency for 0.3um
CEW	610*610*50	600	= 450	0.45	<180	400	>99.99%
	915*610*50	900	= 700	0.45			
	610*610*69	800	= 650	0.6			
	915*610*69	1700	= 950	0.6			
	610*610*90	1000	= 800	0.75			
	1220*610*100	2000	= 1600	0.75			

Leak Test : Filter that pass the overall efficiency test may still have minute pin hole leaks. Cadillac filters can be factory scanned to assure there are no pin hole leaks



CADILLAC ENGINEERING WORKS

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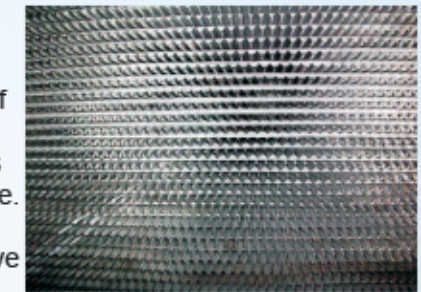
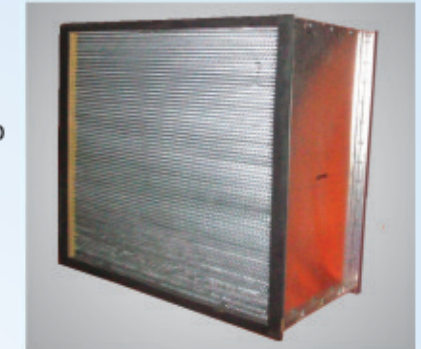
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Due to our policy of continuous product improvement all data are subject to change

CADILLAC CONVENTIONAL HEPA FILTER

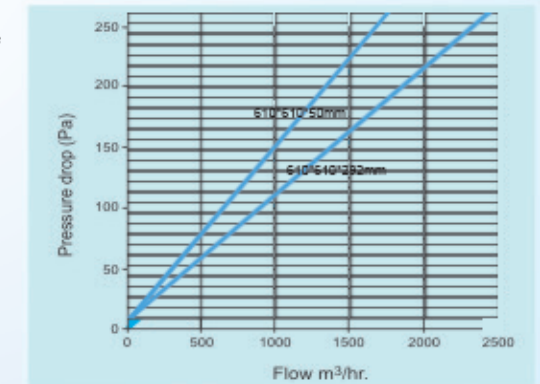
Description : Cadillac conventional HEPA Filter are manufactured by Automatic machine within a clean room for its maximum utilization. Cadillac utilizes an ultra-fine glass fiber media, formed into robust, deep pleated and separated by paper/aluminum separators. This deep pleated design not only provides a long service life, but it is also applied in the harshest and most heavy-duty operating conditions.

Application : Semiconductor manufacturing, Electronics, Pharmaceutical processing, Nuclear Power Station, Department of Energy installation, Photo film manufacture Processing, Hospital, Laboratories, Food Processing.



CONSTRUCTION

- Frame:** Aluminum, GI, SS Paper Board & Plastic
- Media:** 100% micro glass fiber paper with water proof fire retardant property.
- Separator:** Pleat spacing is precisely maintained by corrugated aluminum Separator that permit maximum usage of the media at minimum resistance. For corrosive Environment Vinyl coated Separators are available, Rolled edge Separators are used to minimize the risk of media damage. Shallow Crimp Separator permits more media. Increased air flow capacity is the result of shallow crimp separator that have a lower profile (shorter height). Compared to standard Hepa filter this permit more pleats and as result more media.
- Bond:** The media pack is thoroughly sealed to the inside of the cell sides with a variety of Adhesives (Polyeuthere) that prevent by pass leakage
- Sealing:** Neoprene Rubber, Silicon



TECHNICAL DATA :

Model	Size (MM) W*H*D	Air flow m/s	Rated Air Velocity m3/h	Initial Pressure resistance/Pa	Final Pressure resistance/Pa	Efficiency for 0.3um
CEW	610*610*150	0.5 - 15	650 - 2000	100 - 250	400	>99.97%
	915*610*150	0.5 - 15	1000 - 3000	100 - 250		
	610*610*300	0.5 - 15	650 - 2000	80 - 220		
	915*610*300	0.5 - 15	1000 - 3000	80 - 220		



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