



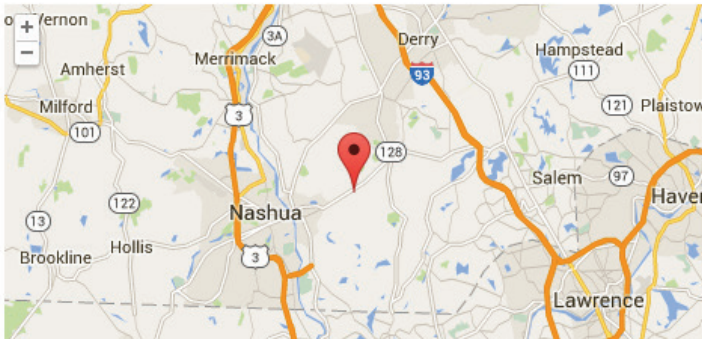
AIREX FILTER
CORPORATION



Airex Filter Corporation is a manufacturer and distributor of air filters, water filters, HEPA, HVAC, carbon and specialty filtration products for all residential, commercial and industrial applications.

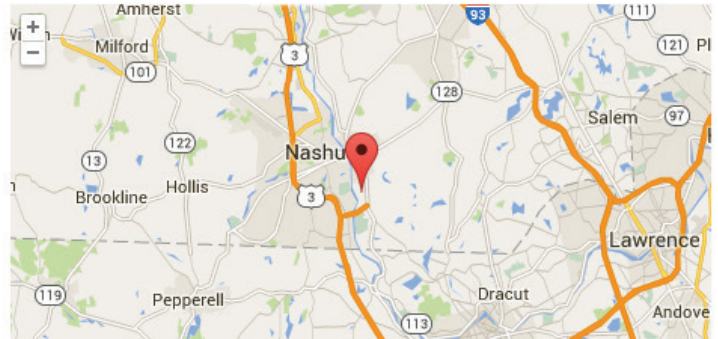
Located in Hudson, New Hampshire, Airex Filter Corporation, has been serving customers for over 40 years. As a manufacturer of air filters and air filtration products, we know the importance of providing quality products and technical support in local and global markets. We have always been committed to the environment and continue to seek alternative uses for recycled materials without compromise to the quality and performance of our products. We stand ready to meet all of your filtration needs. Our staff is ready to answer questions concerning your filtration needs and assist in exploring your options for cost-effective filtration management. Upon request, our representatives are available for on-site assessments and can provide information for your custom order. We are capable of delivery throughout New England when common carriers are not an option.

Administrative Office Manufacturing Plant #1



Our main manufacturing plant is located at 14 Clement Road in Hudson New Hampshire and is a 32000 square foot facility where we manufacture, produce and ship many different items including standard size pleated filters. We specialize in the manufacturing of custom size filters of all types and sizes. We also maintain a large inventory of higher efficiency rigid cells, bags and HEPA filters of all common sizes for quick turn around and delivery.

Production Office Manufacturing Plant #2



Our second plant, opened in early 2011, is located at 19 Executive Drive in Hudson New Hampshire and is a 24000 square foot facility. With the growing demand for a higher quality product we decided to move most of our pleated filter manufacturing to Executive Drive adding all new semi automated equipment lines. Here we manufacture all standard size pleated filters and stock well over 200,000 finished filters ready for shipping, delivery or pick-up. We are conveniently located just off Route 3 and only 10 minutes from our main plant.

Airex Filter Corporation

14 Clement Road, Hudson, NH 03051
800-660-2298 | www.airexfilter.com

Commercial Online Ordering: www.airexco.com



PMP-EC MERV 8
Extended Area
Pleated Filters



PM-SC MERV 8
Extended Area
Pleated Filters



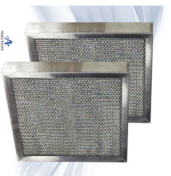
PMX-HC MERV 8
Extended Area
Pleated Filters



Polyester Media
Sleeves & Rolls



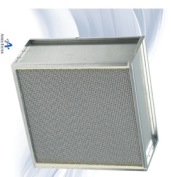
Polyester Media
Ring Panel Filters



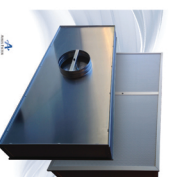
EZ Kleen
Metal Filters



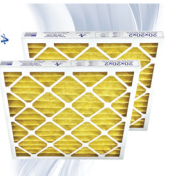
Carbon Roll
Filter Media



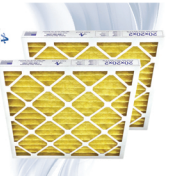
Micro Air
HEPA Filters



Terminal Filter
HEPA Modules



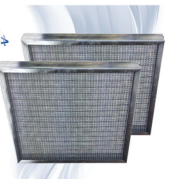
82-R MERV 11
Ultra High Efficiency
Pleated Filters



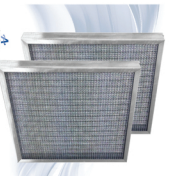
82-RX MERV 11
High Capacity
Pleated Filters



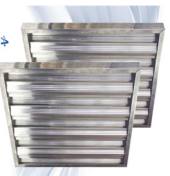
PM-SC MERV 8
1 Inch Odd Size
Pleated Filters



MDM Perm-A-Steel
Metal Filters



HDA Heavy Duty
Aluminum Filters



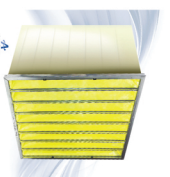
Grease & Fire
Baffle Filter



Econocell-II
Pleated Filter



420 & 440
Polyester Cubes



Enviro-Pak
Bag Filters



PM-SC MERV 8
2 Inch Odd Size
Pleated Filters



GP100 MERV 13
Super Capacity
Pleated Filters



Air Bear
Replacement
Filters



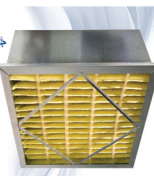
EAF Self-Charging
Electrostatic
Air Filters



Metal Foam
Filters



Metal Filter
Holding Frames



Air Pak
Filters



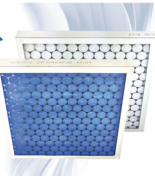
Econocell Rigid
Box Filters



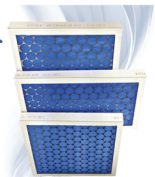
Superflow-Quad
Rigid Filter



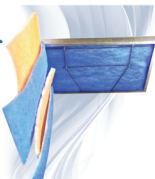
HV-PM MERV 8
High Velocity
Pleated Filters



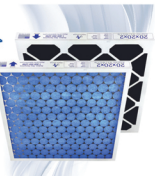
Standard Size
Polyester
Panel Filters



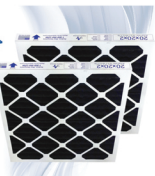
Odd Size
Polyester
Panel Filters



Metal Pad
Holding
Frames



DSC Dual Stage
Carbon Filters



100% Carbon
Pleated Filters



Superflow-V
Rigid Filter



Polyester Media
Pads & Rolls



Fiberglass Media
Pads & Rolls



Odd Size MERV 8
Anti-Microbial
Panel Filters



Standard Size
Fiberglass
Panel Filters



Odd Size
Fiberglass
Panel Filters



FCP-OG Carbon
Pleated Filters
(OdorGuard)



CCPM MERV 8
Carbon Combo
Pleated Filters



SuperFlow VC
V-Bank
Carbon Filters



Auto Roll
Filters



4" Septic
Vent Filters



Liquid Cartridge
Filters

Airex Filter Corporation
Fiberglass
 Disposable Panel Air Filters



The **NEW Airex Polystrand Fiberglass Filters** are manufactured using a fiberglass media that has been totally encapsulated in Polyb and exclusive technology that results in an economical, high loft filtration media that is gentle, soft and safe. Polystrand fibers are safer than typical glass and nonrespirable, meaning that they cannot make their way into small airways of the lower respiratory tract. Polystrand is a continuous strand measuring more than 3.5 microns, making the fibers unrespirable. By encapsulating the fiber we have all but eliminated fiber dusting. The combination of the fiberglass and Polyb allow the filter to reach MERV 4-5 in efficiency. The fibers are loosely spun on the air entering side and progressively woven tighter on the air existing side creating a heavy laminated backing. This design increases dust holding capacity and eliminates the problem of surface loading while adding strength to the filter when the metal backing is eliminated. Our new gluing process eliminates the use of metal retainers on both the front and back side of the filter which can cause added resistance. The filter media is enclosed in a heavy duty moisture resistant white Kraft board frame. UL Approved as to flammability 217V Class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media (area square foot)	Dust Holding (Capacity/Grams)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.09	.16	.50	1.88	105 grams
	15x20x1	640	1080	.09	.16	.50	1.96	110 grams
	16x20x1	650	1100	.09	.16	.50	2.10	117 grams
	16x25x1	850	1350	.09	.16	.50	2.64	148 grams
	20x20x1	850	1350	.09	.16	.50	2.64	148 grams
	20x25x1	1050	1750	.09	.16	.50	3.32	186 grams
	24x24x1	1200	2000	.09	.16	.50	3.84	215 grams
2"	12x24x2	600	1000	.08	.14	.50	1.88	139 grams
	16x20x2	650	1100	.08	.14	.50	2.10	155 grams
	16x25x2	850	1350	.08	.14	.50	2.64	195 grams
	20x20x2	850	1350	.08	.14	.50	2.64	195 grams
	20x25x2	1050	1750	.08	.14	.50	3.32	246 grams
	24x24x2	1200	2000	.08	.14	.50	3.84	284 grams

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- featuring unique volume discounts
- quick re-order from history
- various shipping and payment options

Final maximum recommended resistance is .50" W.G. Maximum operating temperature 180 degrees fahrenheit continuous. 200 degrees fahrenheit intermittent.

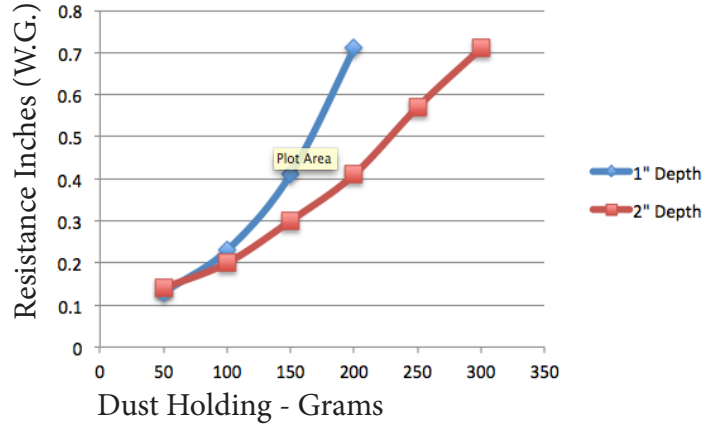
For more information, please visit our informational website

www.AirexFilter.com



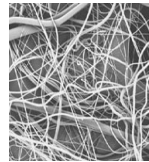
Airex Filter Corporation
Fiberglass
Disposable Panel Air Filters

example part # **FTA24242**
FTA-24-24-2



Fiberglass Media

Fiberglass media was considered a breakthrough in filtration technology when it was first introduced, because of its unique combination of high removal efficiencies and high permeability. Microglass fibers have very fine diameters, resulting in more void space, thus providing greater dirt-holding capacity and increased flow rates.



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.

- MERV 4-5 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1" and 2" depths
- Special sizes available upon request



Administrative Office
Manufacturing Plant I

14 Clement Road
Hudson, NH 03051
800-660-2298

Production Office
Manufacturing Plant II

19 Executive Drive
Hudson, NH 03051
800-660-2298



Airex Filter Corporation

Odd-Size Fiberglass

Disposable Panel Air Filters



The **NEW Airex Polystrand Fiberglass Filters** are manufactured using a fiberglass media that has been totally encapsulated in Polyb and exclusive technology that results in an economical, high loft filtration media that is gentle, soft and safe. Polystrand fibers are safer than typical glass and nonrespirable, meaning that they cannot make their way into small airways of the lower respiratory tract. Polystrand is a continuous strand measuring more than 3.5 microns, making the fibers unrespirable. By encapsulating the fiber we have all but eliminated fiber dusting. The combination of the fiberglass and Polyb allow the filter to reach MERV 4-5 in efficiency. The fibers are loosely spun on the air entering side and progressively woven tighter on the air existing side creating a heavy laminated backing. This design increases dust holding capacity and eliminates the problem of surface loading while adding strength to the filter when the metal backing is eliminated. Our new gluing process eliminates the use of metal retainers on both the front and back side of the filter which can cause added resistance. The filter media is enclosed in a heavy duty moisture resistant white Kraft board frame. UL Approved as to flammability 217V Class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media (area square foot)	Dust Holding (Capacity/Grams)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.09	.16	.50	1.88	105 grams
	15x20x1	640	1080	.09	.16	.50	1.96	110 grams
	16x20x1	650	1100	.09	.16	.50	2.10	117 grams
	16x25x1	850	1350	.09	.16	.50	2.64	148 grams
	20x20x1	850	1350	.09	.16	.50	2.64	148 grams
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2"	12x24x2	600	1000	.08	.14	.50	1.88	139 grams
	16x20x2	650	1100	.08	.14	.50	2.10	155 grams
	16x25x2	850	1350	.08	.14	.50	2.64	195 grams
	20x20x2	850	1350	.08	.14	.50	2.64	195 grams
	20x25x2	1050	1750	.08	.14	.50	3.32	246 grams
	24x24x2	1200	2000	.08	.14	.50	3.84	284 grams

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Final maximum recommended resistance is .50" W.G. Maximum operating temperature 180 degrees fahrenheit continuous. 200 degrees fahrenheit intermittent.

For more information, please visit our informational website

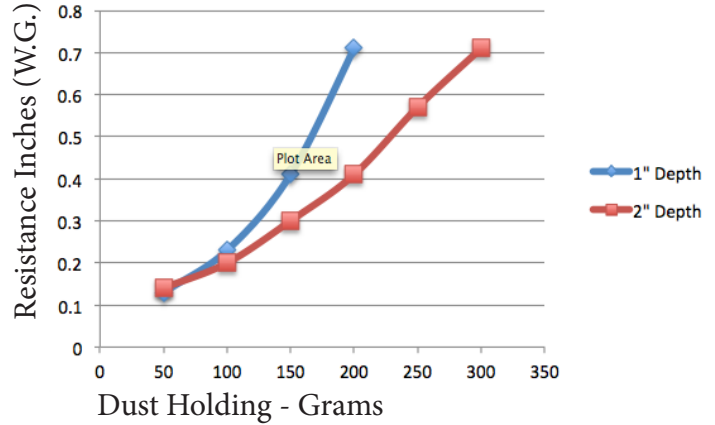
www.AirexFilter.com



Airex Filter Corporation

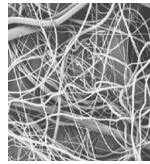
Odd-Size Fiberglass

Disposable Panel Air Filters



Fiberglass Media

Fiberglass media was considered a breakthrough in filtration technology when it was first introduced, because of its unique combination of high removal efficiencies and high permeability. Microglass fibers have very fine diameters, resulting in more void space, thus providing greater dirt-holding capacity and increased flow rates.



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- MERV 4-5 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1" and 2" depths
- Special sizes available upon request



Administrative Office Manufacturing Plant I

14 Clement Road
Hudson, NH 03051
800-660-2298

Production Office Manufacturing Plant II

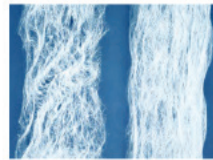
19 Executive Drive
Hudson, NH 03051
800-660-2298



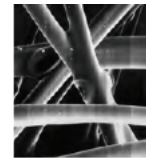
Airex Filter Corporation
Fiberglass Media
 Pads & Rolls - Dry & Tackified



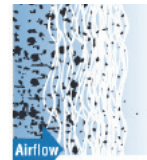
Airex fiberglass pads and rolls are manufactured using the highest quality materials available. The filter media consists of fine threads of glass which are loosely spun on the air entering side and progressively woven tighter on the air exiting side. This design increases dust holding capacity and eliminates the problem of surface loading. Each fiber is treated with a non-odorous, non-migrating adhesive which helps hold dust within the filter, and allows viscous impingement filtration to occur. Airex fiberglass is available in 1/2 inch, 1 inch, and 2 inch thickness in cut pads, rolls, or framed. Merv 4-5 performance rating



Higher fiber content provides more dirt catching media compared to our competitors



Resin applied to the fiberglass during spinning is cured in an oven to form a strong bond at each fiber intersection



Fibers on the air entering side are interlaced in an open pattern which becomes progressively tighter.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media Area (per square foot)	Dust Holding Capacity
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.09	.16	.50	1.88	105.09 Grams
	15x20x1	640	1080	.09	.16	.50	1.96	109.56 Grams
	16x20x1	650	1100	.09	.16	.50	2.10	117.39 Grams
	16x25x1	850	1350	.09	.16	.50	2.64	147.57 Grams
	20x20x1	850	1350	.09	.16	.50	2.64	147.57 Grams
	20x25x1	1050	1750	.09	.16	.50	3.32	185.58 Grams
	24x24x1	1200	2000	.09	.16	.50	3.84	214.65 Grams
2"	12x24x2	600	1000	.08	.14	.50	1.88	139.12 Grams
	16x20x2	650	1100	.08	.14	.50	2.10	155.40 Grams
	16x25x2	850	1350	.08	.14	.50	2.64	195.36 Grams
	20x20x2	850	1350	.08	.14	.50	2.64	195.36 Grams
	20x25x2	1050	1750	.08	.14	.50	3.32	245.68 Grams
	24x24x2	1200	2000	.08	.14	.50	3.84	284.16 Grams

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Final maximum recommended resistance is .50" w.g.

*Maximum operating temperature is 180 degrees fahrenheit continuous, 200 degrees fahrenheit intermittent.

For more information, please visit our informational website

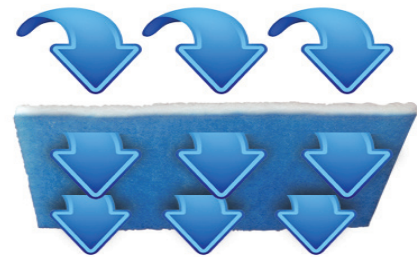
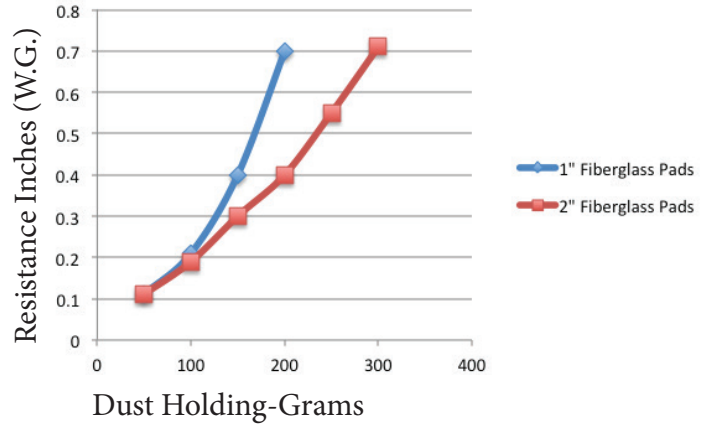
www.AirexFilter.com



Airex Filter Corporation

Fiberglass Media

Pads & Rolls - Dry & Tackified



- MERV 4-5 Performance Rating
- Consistently Highest Quality Available
- Durability - Unaffected by Moisture
- Available in .5", 1" and 2" - Dry or Tackified
- Flame Retarded - U.L. Class 2
- Precise Fiber Blended Media
- Air-laid Web Formation
- Heat Cured for Durability



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**Administrative Office
Manufacturing Plant I**

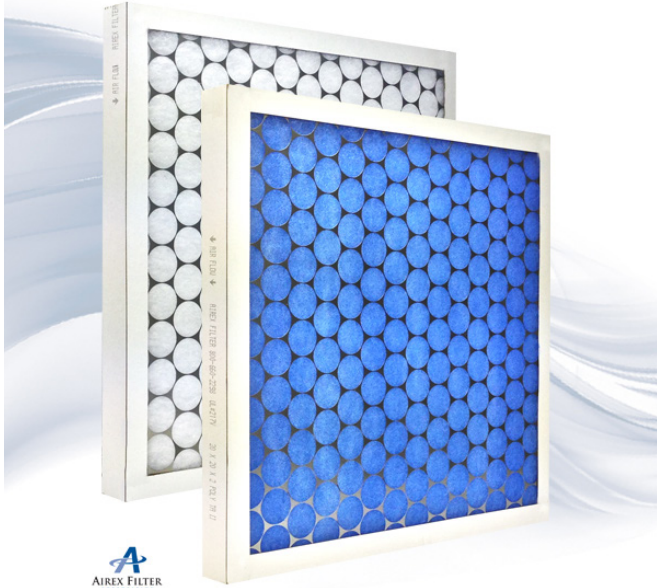
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Hudson, NH 03051
800-660-2298

**Production Office
Manufacturing Plant II**

19 Executive Drive
Hudson, NH 03051
800-660-2298



Airex Filter Corporation
Polyester
 Disposable Panel Air Filters



The Airex Polyester Filters are manufactured using the highest quality materials available. The filter media consists of Polyester Synthetic Fibers (PSF) dry or tacky produced from 100% high bulk polyester fibers that are thermo bonded with a fire retardant resin. PSF makes an excellent pre-filter for expensive high efficiency and absolute filters. It is extremely resilient and will withstand direct moisture. PSF is an ideal alternative in areas where spun glass is not recommended. The filter media can be treated with an anti-microbial agent when required then enclosed in a heavy duty moisture resistant Kraft board frame, and is available with or without front and back #28 Gage metal retainers securely fastened to the frame to increase overall rigidity of the filter. Beaded hot melt adhesive bonds the entire perimeter of each frame securing the media in the frame when metal is not used. The outer frame indicates size, airflow direction, and the filter's UL Class 2 rating. UL Approved as to flammability 217V Class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media (area square foot)	Dust Holding (Capacity/Grams)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.10	.18	.50	1.88	84 grams
	15x20x1	640	1080	.10	.18	.50	1.96	87 grams
	16x20x1	650	1100	.10	.18	.50	2.10	93 grams
	16x25x1	850	1350	.10	.18	.50	2.64	117 grams
	20x20x1	850	1350	.10	.18	.50	2.64	117 grams
	20x25x1	1050	1750	.10	.18	.50	3.32	146 grams
	24x24x1	1200	2000	.10	.18	.50	3.84	168 grams
2"	12x24x2	600	1000	.09	.16	.50	1.88	120 grams
	16x20x2	650	1100	.09	.16	.50	2.10	133 grams
	16x25x2	850	1350	.09	.16	.50	2.64	167 grams
	20x20x2	850	1350	.09	.16	.50	2.64	167 grams
	20x25x2	1050	1750	.09	.16	.50	3.32	208 grams
	24x24x2	1200	2000	.09	.16	.50	3.84	240 grams

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Technical data based on one and two inch dry polyester. Final maximum recommended resistance is .50" W.G. Maximum operating temperature of 180 degrees fahrenheit continuous, 200 degrees fahrenheit intermittent.

For more information, please visit our informational website

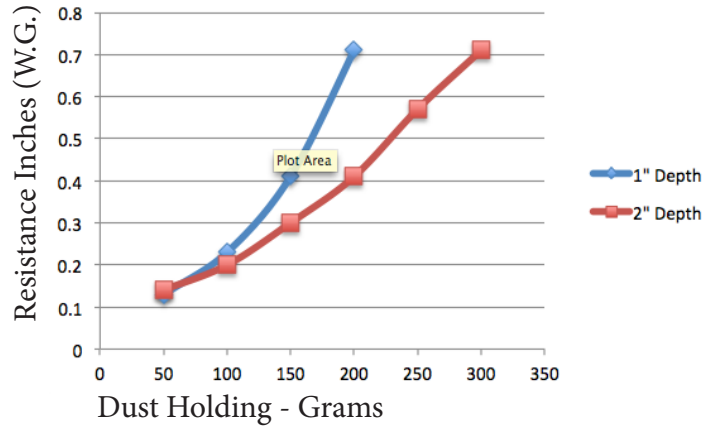
www.AirexFilter.com



Airex Filter Corporation
Polyester
Disposable Panel Air Filters

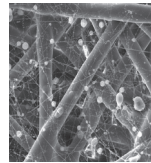
example part # **PTA24242**

PTA-24-24-2



Polyester Media

Quality polyester media is manufactured using specially produced developer polyester. The fibers are bonded together to form an interlocking pattern of tiny lint and dust traps. Polyester eliminates the possibility of fibers breaking off and getting into the air stream. A heavy chipboard frame surrounds the polyester media as well as bottlecap on both the air leaving side and air entering side giving extra strength. These filters can withstand temperatures up to 200 degrees F.



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UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.

- MERV 4-5 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1" and 2" depths
- Special sizes available upon request



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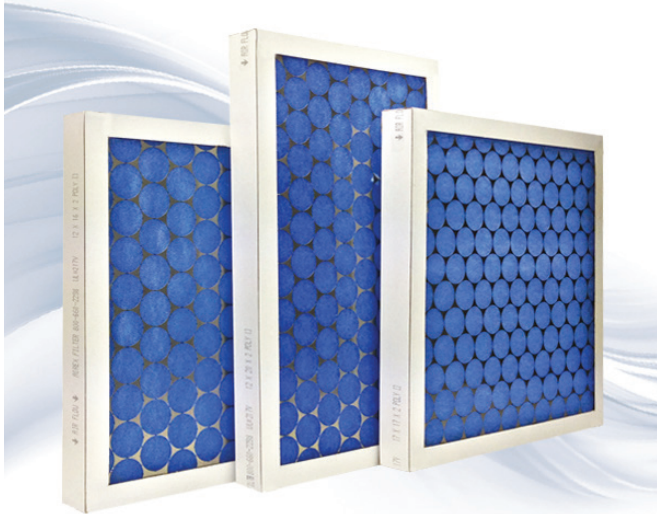
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Airex Filter Corporation

Odd-Size Polyester

Disposable Panel Air Filters



The Airex Polyester Odd Size Filters are manufactured using the highest quality materials available. The filter media consists of Polyester Synthetic Fibers (PSF) dry or tacky produced from 100% high bulk polyester fibers that are thermo bonded with a fire retardant resin. PSF makes an excellent pre-filter for expensive high efficiency and absolute filters. It is extremely resilient and will withstand direct moisture. PSF is an ideal alternative in areas where spun glass is not recommended. The filter media can be treated with an anti-microbial agent when required then enclosed in a heavy duty moisture resistant Kraft board frame, and is available with or without front and back #28 Gage metal retainers securely fastened to the frame to increase overall rigidity of the filter. Beaded hot melt adhesive bonds the entire perimeter of each frame securing the media in the frame when metal is not used. The outer frame indicates size, airflow direction, and the filter's UL Class 2 rating. UL Approved as to flammability 217V Class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media (area square foot)	Dust Holding (Capacity/Grams)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.10	.18	.50	1.88	84 grams
	15x20x1	640	1080	.10	.18	.50	1.96	87 grams
	16x20x1	650	1100	.10	.18	.50	2.10	93 grams
	16x25x1	850	1350	.10	.18	.50	2.64	117 grams
	20x20x1	850	1350	.10	.18	.50	2.64	117 grams
	20x25x1	1050	1750	.10	.18	.50	3.32	146 grams
	24x24x1	1200	2000	.10	.18	.50	3.84	168 grams
2"	12x24x2	600	1000	.09	.16	.50	1.88	120 grams
	16x20x2	650	1100	.09	.16	.50	2.10	133 grams
	16x25x2	850	1350	.09	.16	.50	2.64	167 grams
	20x20x2	850	1350	.09	.16	.50	2.64	167 grams
	20x25x2	1050	1750	.09	.16	.50	3.32	208 grams
	24x24x2	1200	2000	.09	.16	.50	3.84	240 grams

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Technical data based on one and two inch dry polyester. Final maximum recommended resistance is .50" W.G. Maximum operating temperature of 180 degrees fahrenheit continuous, 200 degrees fahrenheit intermittent.

For more information, please visit our informational website

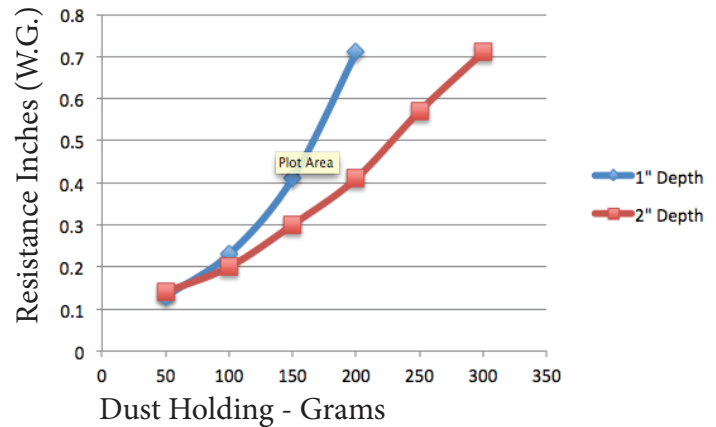
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Airex Filter Corporation

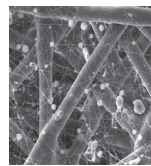
Odd-Size Polyester

Disposable Panel Air Filters



Polyester Media

Quality polyester media is manufactured using specially produced developer polyester. The fibers are bonded together to form an interlocking pattern of tiny lint and dust traps. Polyester eliminates the possibility of fibers breaking off and getting into the air stream. A heavy chipboard frame surrounds the polyester media as well as bottlecap on both the air leaving side and air entering side giving extra strength. These filters can withstand temperatures up to 200 degrees F.



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.

- MERV 4-5 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1" and 2" depths
- Special sizes available upon request



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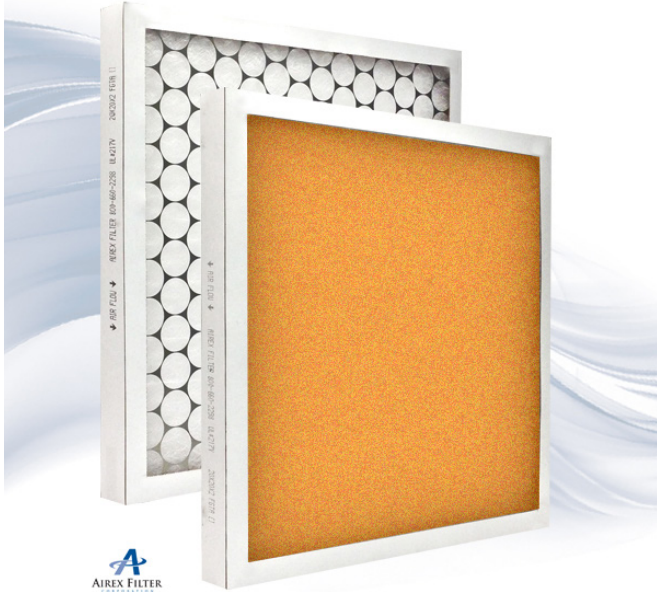
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Airex Filter Corporation
OR-1 MERV 8
 Anti Microbial Disposable Filter



The Airex OR1 AM MERV 8 Polyester Filters are manufactured using the highest quality materials available. The orange filter media consists of a 100% tackified polyester fiber that has been thermo bonded with fire retardant resin. The tackifier is added to enhance the overall efficiency of the media allowing it to reach a MERV 8 rating. An anti microbial agent has been added to prevent the growth of mold and bacteria. The design of the filter increases dust holding capacity and eliminates the problem of smaller particles working there way through the back side of the material. Our new gluing process eliminates the use of metal retainers on the front and back side of the filter which can cause added resistance. The use of metal retainers has been known to cause injury to service personal handling the product. Each fiber is treated with a non-odorous, non-migrating adhesive which helps hold dust within the filter, and allows viscous impingement filtration to occur. The filter media is enclosed in a heavy duty moisture resistant Kraft board frame. The outer frame indicates size, airflow direction, and the filter's UL Class 2 rating. UL Approved as to flammability 217V Class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media (area square foot)	Dust Holding (Capacity/Grams)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.12	.20	.50	1.88	93 grams
	15x20x1	640	1080	.12	.20	.50	1.96	98 grams
	16x20x1	650	1100	.12	.20	.50	2.10	102 grams
	16x25x1	850	1350	.12	.20	.50	2.64	127 grams
	20x20x1	850	1350	.12	.20	.50	2.64	127 grams
	20x25x1	1050	1750	.12	.20	.50	3.32	156 grams
	24x24x1	1200	2000	.12	.20	.50	3.84	178 grams
2"	12x24x2	600	1000	.11	.18	.50	1.88	131 grams
	16x20x2	650	1100	.11	.18	.50	2.10	144 grams
	16x25x2	850	1350	.11	.18	.50	2.64	175 grams
	20x20x2	850	1350	.11	.18	.50	2.64	175 grams
	20x25x2	1050	1750	.11	.18	.50	3.32	215 grams
	24x24x2	1200	2000	.11	.18	.50	3.84	250 grams

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Technical data based on one and two inch OR-1 Tac polyester. Final maximum recommended resistance is .50" w.g. Maximum operating temperature is 180 degrees fahrenheit continuous, 200 degrees fahrenheit intermittent.

For more information, please visit our informational website

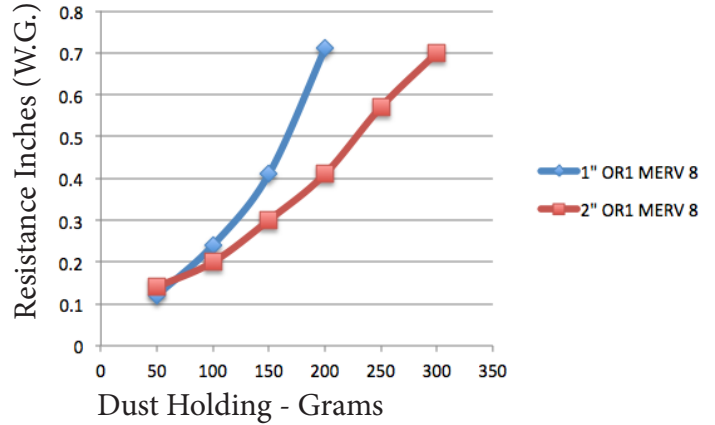
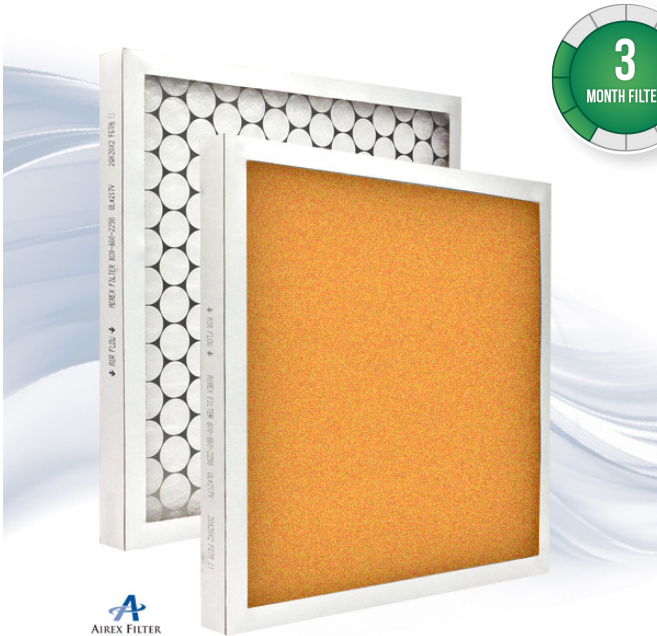
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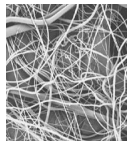
Airex Filter Corporation

OR-1 MERV 8

Anti Microbial Disposable Filter



Airex OR1 antimicrobial filters are manufactured with an antimicrobial media that inhibits the growth of micro-organisms such as bacteria, fungi, mold spores and other airborne contaminants.



Dual-Ply tackifying agent provides progressive density depth loading. An adhesive throughout the entire final layer absorbs and locks-in dust particles.



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- MERV 8 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1" and 2" depths
- Special sizes available upon request



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Airex Filter Corporation
Polyester Media
 Pads & Rolls - Dry & Tackified



Airex polyester pads and rolls are manufactured using the highest quality materials available. The filter media consists of Polyester Synthetic Fibers (PSF) produced from 100% high bulk polyester fibers that are thermo bonded with a fire-retardant resin. PSF makes an excellent pre-filter for expensive high efficiency and absolute filters; It is extremely resilient and will withstand direct moisture. PSF is an ideal alternative in areas where spun glass is not recommended. PSF is available in rolls, cut pads, or framed in 1/2 inch, 1 inch, and 2 inch thickness' with or without tackifier. Also available is a dustlock media which is 1 1/2 inch thick and super tackified for extra efficiency. All PSF media is available with an optional antimicrobial agent applied to prevent the growth of bacteria. The polyester media rolls & pads are color coded on the air leaving side of the filter media to indicate the correct direction of air flow. When tackifier is added to the media, it is added to the colored side of the media.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media Area (per square foot)	Dust Holding Capacity
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.14	.18	.50	1.88	84 Grams
	15x20x1	640	1080	.14	.18	.50	1.96	87 Grams
	16x20x1	650	1100	.14	.18	.50	2.10	93 Grams
	16x25x1	850	1350	.14	.18	.50	2.64	117 Grams
	20x20x1	850	1350	.14	.18	.50	2.64	117 Grams
	20x25x1	1050	1750	.14	.18	.50	3.32	146 Grams
	24x24x1	1200	2000	.15	.19	.50	3.84	168 Grams
2"	12x24x2	600	1000	.15	.19	.50	1.88	120 Grams
	16x20x2	650	1100	.15	.19	.50	2.10	133 Grams
	16x25x2	850	1350	.15	.19	.50	2.64	167 Grams
	20x20x2	850	1350	.15	.19	.50	2.64	167 Grams
	20x25x2	1050	1750	.15	.19	.50	3.32	208 Grams
	24x24x2	1050	2000	.15	.19	.50	3.84	240 Grams

Technical data based on 1" & 2" dry polyester media. Tackifier adds approximately .04 to W.G. information above 1" & 2" material. Final maximum recommended resistance is .50" W.G. *Maximum operating temperature 180 degrees fahrenheit continuous, 200 degrees fahrenheit intermittent.

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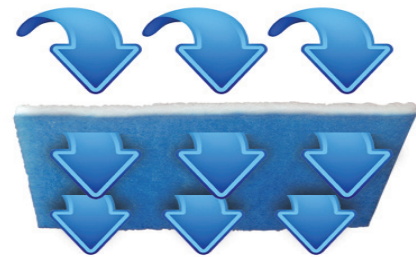
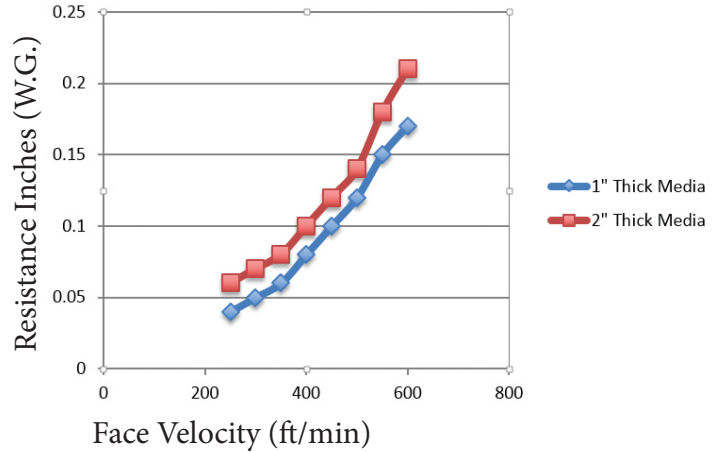
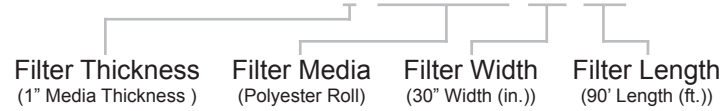
For more information, please visit our informational website

www.AirexFilter.com



Airex Filter Corporation
Polyester Media
Pads & Rolls - Dry & Tackified

example part # **1PROLL30-90**
1-PROLL-30-90



- Consistently Highest Quality Available
- Durability - Unaffected by Moisture
- Available in .5", 1" and 2" - Dry or Tackified
- Easy to Handle and Work With
- Flame Retarded - U.L. Class 2
- Precise Fiber Blended Media
- Air-laid Web Formation
- Heat Cured for Durability



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

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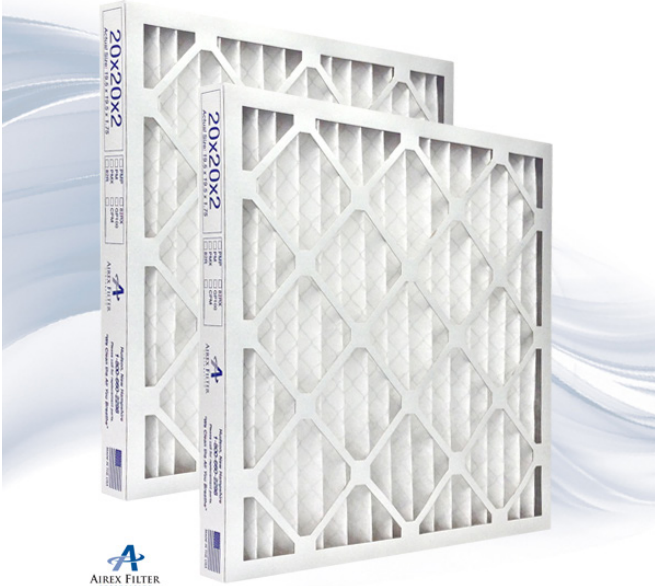
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Airex Filter Corporation
PM-SC MERV 8
 Standard Capacity Pleated Filter



The Airex PM-SC MERV 8 pleated filters are available in a wide range of sizes for all commercial, industrial and residential applications. The filter media is a 100% synthetic, electrostatically charged, designed to attract and hold airborne contaminants. The result is a higher efficient filter, 65-70% @ 5-10 micron. Initial resistance of a 2 inch deep filter is .26 W.G. @ 500 FPM. The enclosing frame of the PM-SC is constructed of a rigid, heavy duty moisture resistant beverage board. The support members are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. The media support grid is available in a heavy expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. UL Approved 217V as to flammability class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.18	.36	1.0	14	4.7
	16x20x1	650	1100	.18	.36	1.0	14	5.3
	16x25x1	850	1350	.18	.36	1.0	14	6.6
	20x20x1	850	1350	.18	.36	1.0	14	6.7
	20x25x1	1050	1750	.18	.36	1.0	14	8.3
	24x24x1	1200	2000	.18	.36	1.0	14	9.3
2"	12x24x2	600	1000	.14	.26	1.0	10	6.7
	16x20x2	650	1100	.14	.26	1.0	10	7.8
	16x25x2	850	1350	.14	.26	1.0	10	9.7
	20x20x2	850	1350	.14	.26	1.0	10	9.4
	20x25x2	1050	1750	.14	.26	1.0	10	11.8
	24x24x2	1200	2000	.14	.26	1.0	10	13.3
4"	12x24x4	600	1000	.12	.22	1.0	11	14.7
	16x20x4	650	1100	.12	.22	1.0	11	16.7
	16x25x4	850	1350	.12	.22	1.0	11	20.8
	20x20x4	850	1350	.12	.22	1.0	11	21.1
	20x25x4	1050	1750	.12	.22	1.0	11	26.4
	24x24x4	1200	2000	.12	.22	1.0	11	29.3
	25x29x4	1500	2500	.12	.22	1.0	11	37.1

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Final maximum recommended resistance is 1.0" W.G. High Capacity MERV 8 range. Maximum operating temperature 180 degrees Fahrenheit continuous.

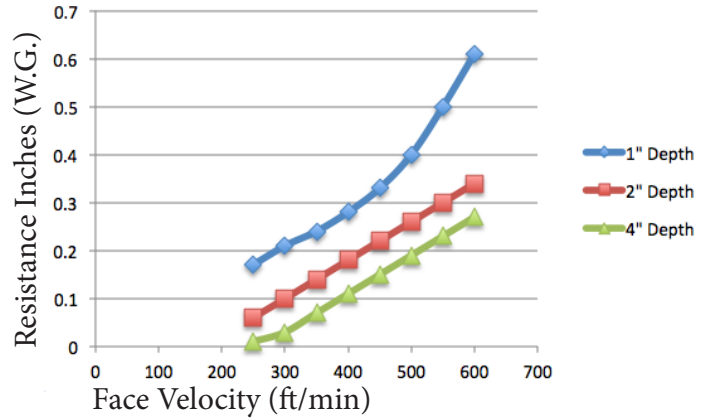
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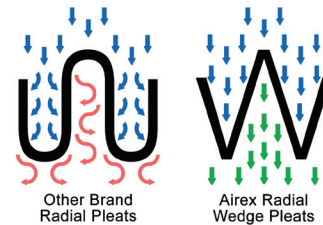


Airex Filter Corporation
PM-SC MERV 8
 Standard Capacity Pleated Filter

example part # **PM25252**
PM-25-25-2



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 8 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2", and 4" depths
- Special sizes available upon request



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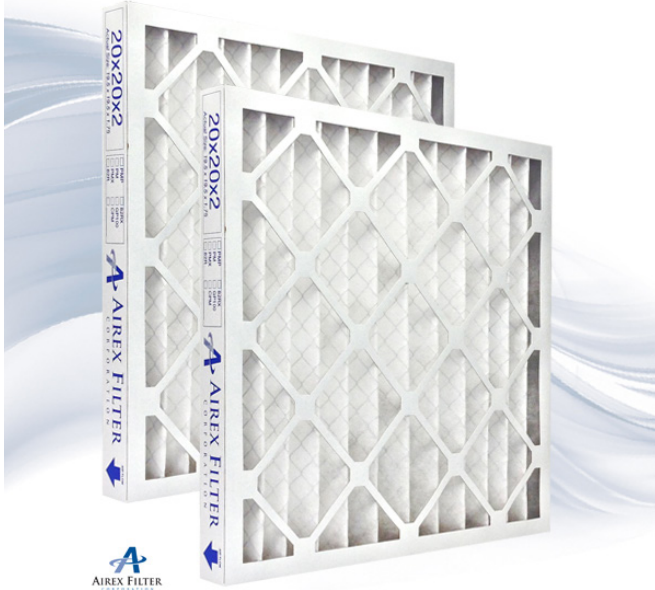
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Airex Filter Corporation
PMP-EC MERV 8
 Extended Area Pleated Filter



The Airex PMP-EC MERV 8 pleated filters are available in a wide range of sizes for all commercial, industrial and residential applications. The filter media is a 100% synthetic, electrostatically charged, designed to attract and hold airborne contaminants. The result is a higher efficient filter, 65-70% @ 5-10 micron without sacrificing airflow. Initial resistance of a 2 inch deep filter is just .28" W.G @ 500 FPM. The enclosing frame of the PMP-EC is constructed of a rigid, heavy duty moisture resistant beverage board. The support members are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. The media support grid is a expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. UL Approved 217V as to flammability class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.18	.36	1.0	14	4.7
	16x20x1	650	1100	.18	.36	1.0	14	5.3
	16x25x1	850	1350	.18	.36	1.0	14	6.6
	20x20x1	850	1350	.18	.36	1.0	14	6.7
	20x25x1	1050	1750	.18	.36	1.0	14	8.3
	24x24x1	1200	2000	.18	.36	1.0	14	9.3
2"	12x24x2	600	1000	.16	.28	1.0	8	5.3
	16x20x2	650	1100	.16	.28	1.0	8	6.1
	16x25x2	850	1350	.16	.28	1.0	8	7.6
	20x20x2	850	1350	.16	.28	1.0	8	7.8
	20x25x2	1050	1750	.16	.28	1.0	8	9.7
	24x24x2	1200	2000	.16	.28	1.0	8	10.7
4"	12x24x4	600	1000	.14	.24	1.0	8	10.7
	16x20x4	650	1100	.14	.24	1.0	8	12.2
	16x25x4	850	1350	.14	.24	1.0	8	15.3
	20x20x4	850	1350	.14	.24	1.0	8	15.6
	20x25x4	1050	1750	.14	.24	1.0	8	19.4
	24x24x4	1200	2000	.14	.24	1.0	8	21.3
	25x29x4	1500	2500	.14	.24	1.0	8	27.4

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Final maximum recommended resistance is 1.0" W.G. High Capacity MERV 8 range. Maximum operating temperature 180 degrees Fahrenheit continuous.

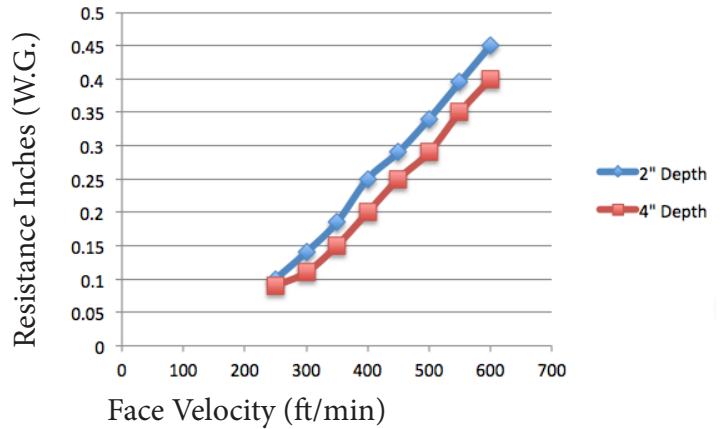
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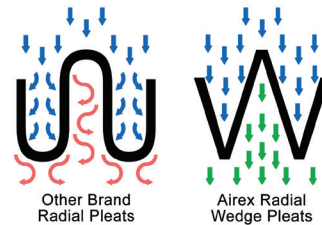


Airex Filter Corporation
PMP-EC MERV 8
Extended Area Pleated Filter

example part # **PMP25252**
PMP-25-25-2



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 8 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2", and 4" depths
- Special sizes available upon request



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Airex Filter Corporation
PMX-HC MERV 8
 Extended Area Pleated Filter



The Airex PMX-HC MERV 8 are available in a wide range of sizes for all commercial, industrial and residential applications. The filter media is a 100% synthetic, electrostatically charged, designed to attract and hold airborne contaminants. This results in a higher efficient filter, 65-70% @ 5-10 micron without sacrificing airflow. Initial resistance of a 2 inch deep filter is just .24" W.G. @ 500 FPM. The enclosing frame of the PMX-HC is constructed of a rigid, heavy duty moisture resistant beverage board. The support members are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. The media support grid is available in expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. UL Approved 217V as to flammability class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.18	.36	1.0	14	4.7
	16x20x1	650	1100	.18	.36	1.0	14	5.3
	16x25x1	850	1350	.18	.36	1.0	14	6.6
	20x20x1	850	1350	.18	.36	1.0	14	6.7
	20x25x1	1050	1750	.18	.36	1.0	14	8.3
	24x24x1	1200	2000	.18	.36	1.0	14	9.3
2"	12x24x2	600	1000	.12	.24	1.0	15	10.0
	16x20x2	650	1100	.12	.24	1.0	15	11.1
	16x25x2	850	1350	.12	.24	1.0	15	13.9
	20x20x2	850	1350	.12	.24	1.0	15	13.9
	20x25x2	1050	1750	.12	.24	1.0	15	17.4
	24x24x2	1200	2000	.12	.24	1.0	15	20.0
4"	12x24x4	600	1000	.12	.22	1.0	11	14.7
	16x20x4	650	1100	.12	.22	1.0	11	16.7
	16x25x4	850	1350	.12	.22	1.0	11	20.8
	20x20x4	850	1350	.12	.22	1.0	11	21.1
	20x25x4	1050	1750	.12	.22	1.0	11	26.4
	24x24x4	1200	2000	.12	.22	1.0	11	29.3
	25x29x4	1500	2500	.12	.22	1.0	11	37.1

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Final maximum recommended resistance is 1.0" W.G. High Capacity MERV 8 range. Maximum operating temperature 180 degrees Fahrenheit continuous.

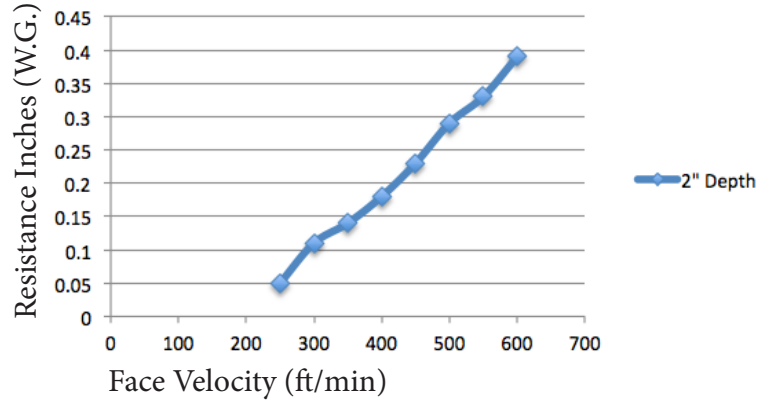
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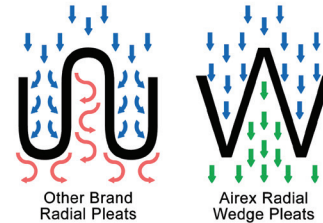


Airex Filter Corporation
PMX-HC MERV 8
Extended Area Pleated Filter

example part # **PMX25252**
PMX-25-25-2



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 8 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2", and 4" depths
- Special sizes available upon request



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.



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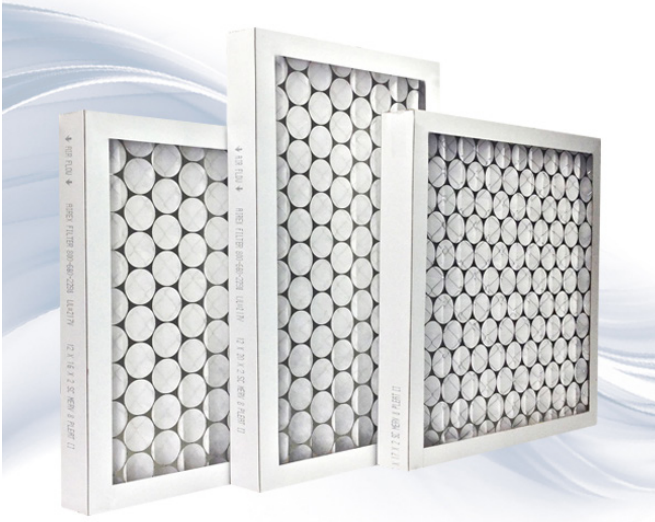
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Airex Filter Corporation
PM-SC MERV 8
 Odd Size Pleated Filter



The Airex PM-SC MERV 8 odd size filters are available in a wide range of sizes for all commercial, industrial and residential applications. The filter media (SF40) is a mechanical media polyester blend with an average efficiency MERV rating of 8 based on the test standard 52.2. The MERV rating is a 60-65 @ 5-10 micron without sacrificing airflow. Initial resistance of a 1" deep filter is just .28" W.G. @ 500 FPM. The enclosing frame is constructed of a rigid, heavy duty moisture resistant beverage board. Odd size filters are manufactured with or without metal retainers and support straps. The filter pack is bonded to the inside periphery of the frame using a hot melt adhesive, thus eliminating the possibility of air bypass. The media support grid is available in expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. Each filter is printed with size, UL mark and airflow. Private labeling is available on custom filters. UL Approved as to flammability 217V Class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.18	.36	1.0	14	4.7
	16x20x1	650	1100	.18	.36	1.0	14	5.3
	16x25x1	850	1350	.18	.36	1.0	14	6.6
	20x20x1	850	1350	.18	.36	1.0	14	6.7
	20x25x1	1050	1750	.18	.36	1.0	14	8.3
	24x24x1	1200	2000	.18	.36	1.0	14	9.3
2"	12x24x2	600	1000	.14	.26	1.0	10	6.7
	16x20x2	650	1100	.14	.26	1.0	10	7.8
	16x25x2	850	1350	.14	.26	1.0	10	9.7
	20x20x2	850	1350	.14	.26	1.0	10	9.4
	20x25x2	1050	1750	.14	.26	1.0	10	11.8
	24x24x2	1200	2000	.14	.26	1.0	10	13.3
4"	12x24x4	600	1000	.12	.22	1.0	11	14.7
	16x20x4	650	1100	.12	.22	1.0	11	16.7
	16x25x4	850	1350	.12	.22	1.0	11	20.8
	20x20x4	850	1350	.12	.22	1.0	11	21.1
	20x25x4	1050	1750	.12	.22	1.0	11	26.4
	24x24x4	1200	2000	.12	.22	1.0	11	29.3
	25x29x4	1500	2500	.12	.22	1.0	11	37.1

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Final maximum recommended resistance is 1.0" W.G. High Capacity MERV 8 range. Maximum operating temperature 180 degrees Fahrenheit continuous.

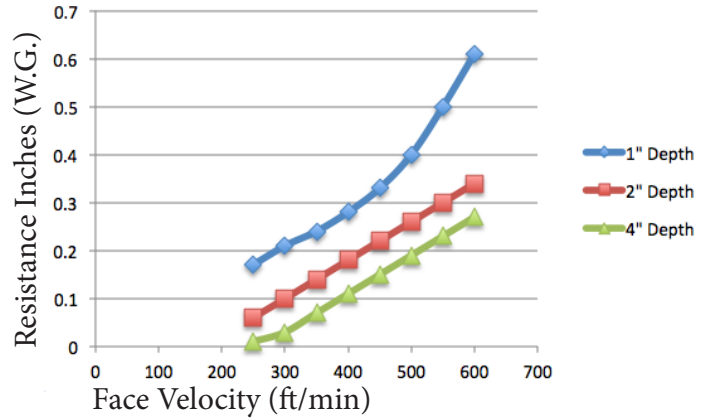
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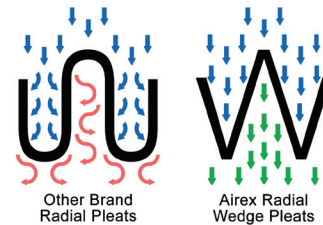


Airex Filter Corporation
PM-SC MERV 8
Odd Size Pleated Filter

example part # **2ODDPM149**
2-ODD-PM-149



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 8 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2", and 4" depths
- Special sizes available upon request



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

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Airex Filter Corporation
HV-PM MERV 8
 Standard Capacity Pleated Filter



The Airex HVPM MERV 8 standard capacity pleated filters are available in a wide range of sizes for all commercial and industrial applications. The difference between our regular pleated filter and a high velocity pleated filter is the thicker gauge wire backing used to support the HVPM. The expanded wire used to support our HVPM is 8 times heavier than the wire that is used on our regular standard pleated filters. The HVPM is designed to operate in higher velocity systems when turbulent air and moisture may also be a factor. The filter media is a 100% synthetic, electrostatically charged, thermally bonded, hydrophobic (moisture repelling), designed to attract and hold airborne contaminants. This results in a higher efficient filter, 70% @ 3-10 micron, without sacrificing airflow. Initial resistance of a 2" deep filter is just .28" w.g. @ 500 FPM. The enclosing frame of the HVPM is constructed of a rigid, heavy duty moisture resistant beverage board. The support members are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. The media support grid is an expanded wire .665 thick with an effective open area of not less than 90%. UL Approved 217V as to flammability class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.20	.38	1.0	14	4.7
	16x20x1	650	1100	.20	.38	1.0	14	5.3
	16x25x1	850	1350	.20	.38	1.0	14	6.6
	20x20x1	850	1350	.20	.38	1.0	14	6.7
	20x25x1	1050	1750	.20	.38	1.0	14	8.3
	24x24x1	1200	2000	.20	.38	1.0	14	9.3
2"	12x24x2	600	1000	.16	.28	1.0	10	6.7
	16x20x2	650	1100	.16	.28	1.0	10	7.8
	16x25x2	850	1350	.16	.28	1.0	10	9.7
	20x20x2	850	1350	.16	.28	1.0	10	9.4
	20x25x2	1050	1750	.16	.28	1.0	10	11.8
	24x24x2	1200	2000	.16	.28	1.0	10	13.3
4"	12x24x4	600	1000	.15	.25	1.0	10	13.3
	16x20x4	650	1100	.15	.25	1.0	10	14.8
	16x25x4	850	1350	.15	.25	1.0	10	18.5
	20x20x4	850	1350	.15	.25	1.0	10	18.5
	20x25x4	1050	1750	.15	.25	1.0	10	23.1
	24x24x4	1200	2000	.15	.25	1.0	10	26.7
	25x29x4	1500	2500	.15	.25	1.0	10	33.6

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Final maximum recommended resistance is 1.0" W.G. MERV 8 70% efficient @ 3-5 micron. Maximum operating temperature 180 degrees fahrenheit continuous, 200 degrees fahrenheit intermittent.

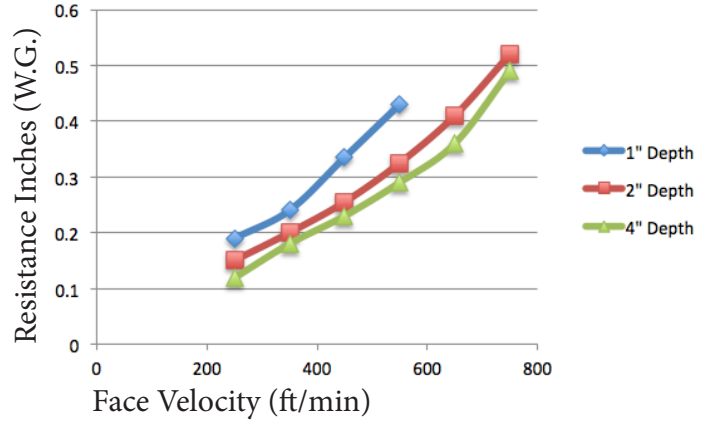
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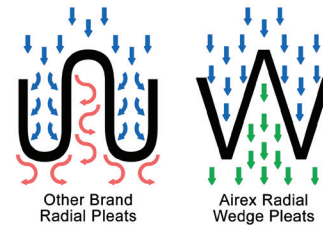


Airex Filter Corporation
HV-PM MERV 8
 Standard Capacity Pleated Filter

example part # **HVPM25252**
HVPM-25-25-2



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 8 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2", and 4" depths
- Special sizes available upon request



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UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.



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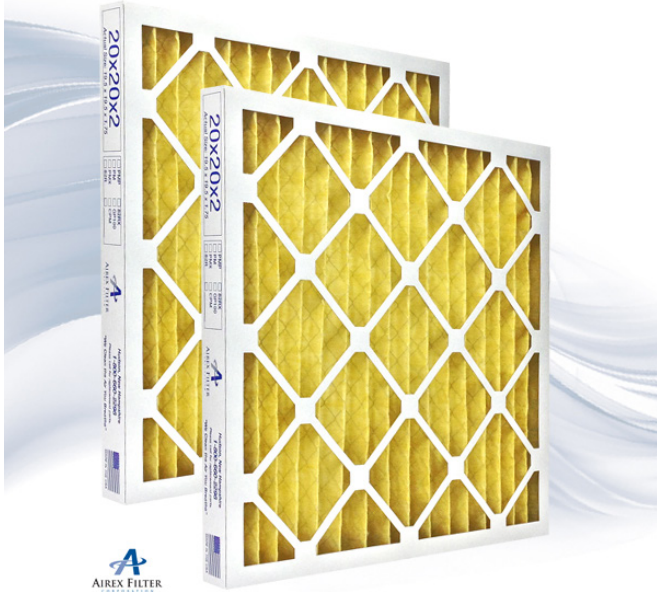
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Airex Filter Corporation
82-R MERV 11
 Standard Capacity Pleated Filter



The Airex 82-R MERV 11 are available in a wide range of sizes for all commercial, industrial and residential applications. The filter media is a 100% synthetic, electrostatically charged media, designed to attract and hold airborne contaminants. This results in a higher efficient filter, 80-85 @ 5 micron and over 90% @ 10 micron without sacrificing airflow. Initial resistance of a 2" deep filter is just .30" w.g. @ 500 FPM. The enclosing frame of the 82-R is constructed of a rigid, heavy duty moisture resistant beverage board. The support members are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. The media support grid is available in expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. UL Approved 217V as to flammability class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.23	.39	1.0	14	4.7
	16x20x1	650	1100	.23	.39	1.0	14	5.3
	16x25x1	850	1350	.23	.39	1.0	14	6.6
	20x20x1	850	1350	.23	.39	1.0	14	6.7
	20x25x1	1050	1750	.23	.39	1.0	14	8.3
	24x24x1	1200	2000	.23	.39	1.0	14	9.3
2"	12x24x2	600	1000	.18	.30	1.0	10	6.7
	16x20x2	650	1100	.18	.30	1.0	10	7.8
	16x25x2	850	1350	.18	.30	1.0	10	9.7
	20x20x2	850	1350	.18	.30	1.0	10	9.4
	20x25x2	1050	1750	.18	.30	1.0	10	11.8
	24x24x2	1200	2000	.18	.30	1.0	10	13.3
4"	12x24x4	600	1000	.16	.26	1.0	11	14.7
	16x20x4	650	1100	.16	.26	1.0	11	16.7
	16x25x4	850	1350	.16	.26	1.0	11	20.8
	20x20x4	850	1350	.16	.26	1.0	11	21.1
	20x25x4	1050	1750	.16	.26	1.0	11	26.4
	24x24x4	1200	2000	.16	.26	1.0	11	29.3
	25x29x4	1500	2500	.16	.26	1.0	11	37.1

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Final maximum recommended resistance is 1.0" w.g. MERV 11 filters are 80-85% efficient at 3-5 micron. Maximum operating temperature 180 degrees fahrenheit intermittent.

For more information, please visit our informational website

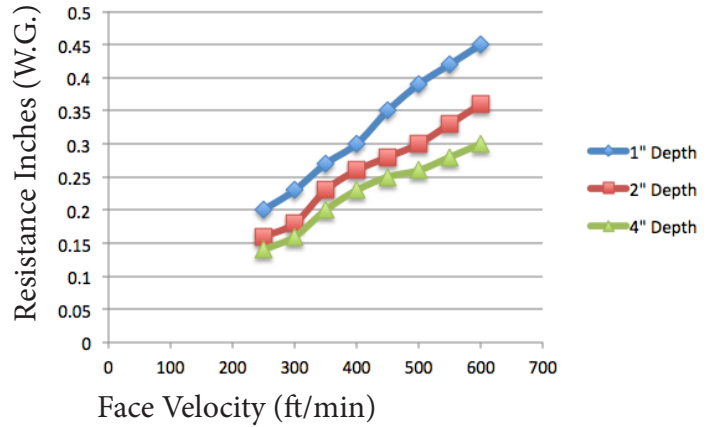
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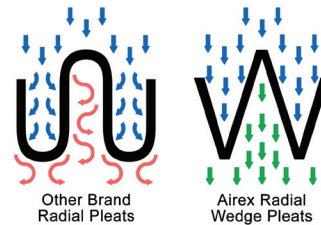
Airex Filter Corporation
82-R MERV 11
Standard Capacity Pleated Filter

example part # **82R25252**

82R-25-25-2



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 11 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2", and 4" depths
- Special sizes available upon request



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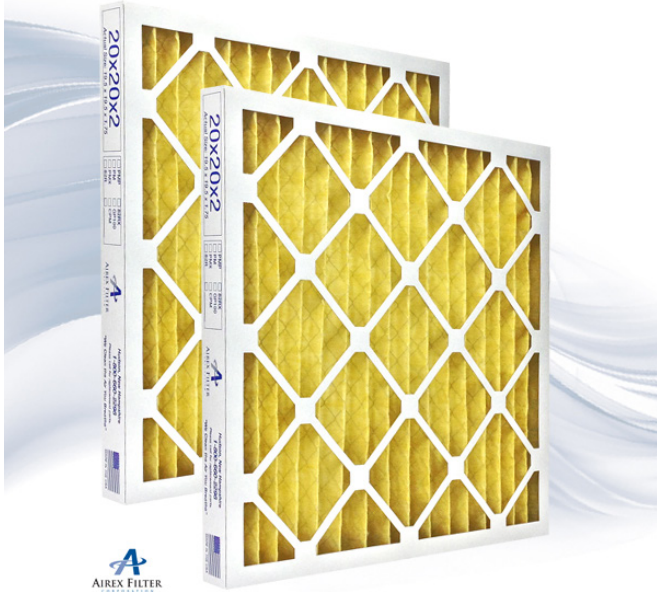
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Airex Filter Corporation
82-RX MERV 11
 High Capacity Pleated Air Filter



The Airex 82-RX MERV 11 High Capacity Pleated Filters are available in a wide range of sizes for all commercial, industrial and residential applications. The filter media is a 100% synthetic, electrostatically charged media, designed to attract and hold airborne contaminants. This results in a higher efficient filter, 80-85% @ 5 micron and over 90% @ 10 micron based on the 52.2 ASHRAE test standard without sacrificing airflow. Initial resistance of a 2" deep filter is just .27" w.g. @ 492 FPM. The enclosing frame of the 82-RX is constructed of a rigid, heavy duty moisture resistant beverage board. The support members are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. The media support grid is available in expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. UL Approved 217V as to flammability class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.23	.39	1.0	14	4.7
	16x20x1	650	1100	.23	.39	1.0	14	5.3
	16x25x1	850	1350	.23	.39	1.0	14	6.6
	20x20x1	850	1350	.23	.39	1.0	14	6.7
	20x25x1	1050	1750	.23	.39	1.0	14	8.3
	24x24x1	1200	2000	.23	.39	1.0	14	9.3
2"	12x24x2	600	1000	.14	.27	1.0	15	10.0
	16x20x2	650	1100	.14	.27	1.0	15	11.1
	16x25x2	850	1350	.14	.27	1.0	15	13.9
	20x20x2	850	1350	.14	.27	1.0	15	13.9
	20x25x2	1050	1750	.14	.27	1.0	15	17.4
	24x24x2	1200	2000	.14	.27	1.0	15	20.0
4"	12x24x4	600	1000	.15	.25	1.0	12	16.0
	16x20x4	650	1100	.15	.25	1.0	12	17.8
	16x25x4	850	1350	.15	.25	1.0	12	22.2
	20x20x4	850	1350	.15	.25	1.0	12	22.2
	20x25x4	1050	1750	.15	.25	1.0	12	27.8
	24x24x4	1200	2000	.15	.25	1.0	12	32.0
	25x29x4	1500	2500	.15	.25	1.0	12	40.3

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Final maximum recommended resistance is 1.0" w.g. MERV 11 filters are 85% efficient at 3-10 micron. Maximum operating temperature 180 degrees fahrenheit continuous. 200 degrees fahrenheit intermittent.

For more information, please visit our informational website

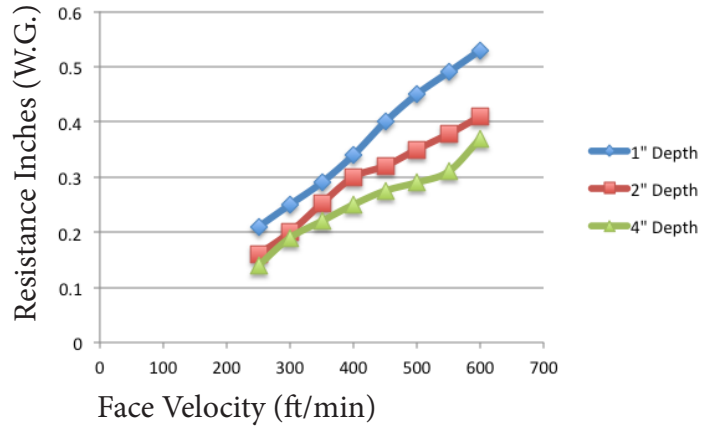
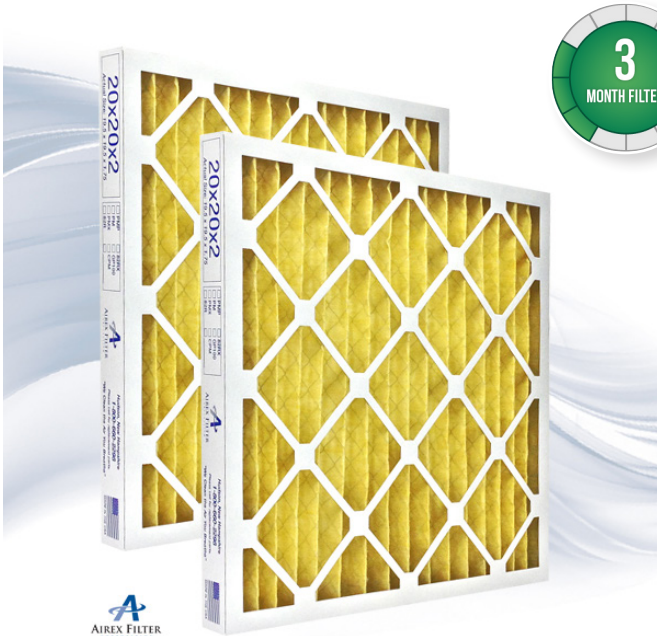
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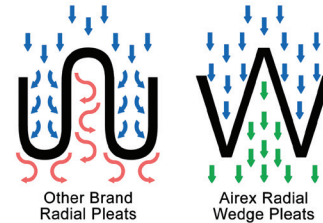
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82-RX MERV 11
 High Capacity Pleated Air Filter

example part # **82RX25252**

82RX-25-25-2



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 11 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2", and 4" depths
- Special sizes available upon request



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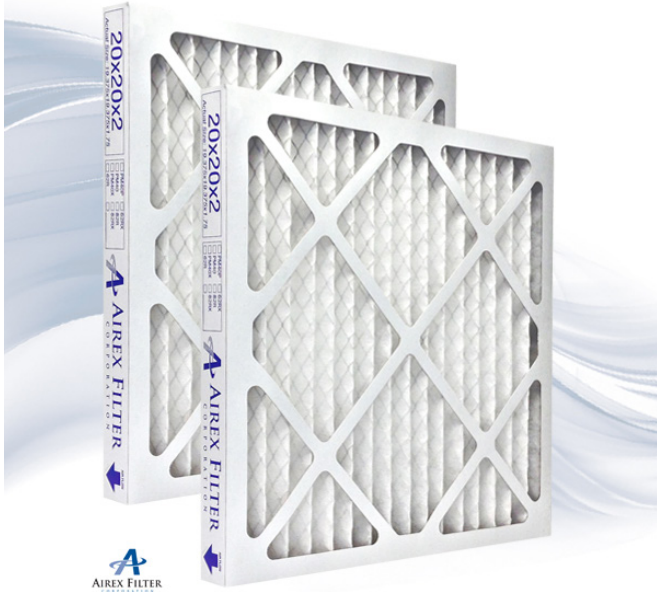
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Airex Filter Corporation
GP100 MERV 13
 High Capacity Pleated Filter



The Airex GP100-MERV 13 super capacity pleated filters are available in a wide range of sizes for all commercial, industrial and residential applications. The filter media is a 100% synthetic, electrostatically charged media, designed to attract and hold airborne contaminants. This results in a higher efficient filter meeting LEED green building criteria for minimum efficiency. Initial resistance of a 2" deep filter is just .35" W.G. @ 500 FPM with an average dust spot efficiency of over 75% based on the ashrae 52.2 test standard. The enclosing frame of the GP100 is constructed of a rigid, heavy duty moisture resistant beverage board. The support members are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. The media support grid is available in expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. UL Approved 217V as to flammability class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
2"	10x20x2	N/A	700	N/A	.35	1.0	14	6.5
	12x20x2	N/A	840	N/A	.35	1.0	14	7.8
	14x20x2	N/A	980	N/A	.35	1.0	14	9.1
	15x20x2	N/A	1050	N/A	.35	1.0	14	9.7
	18x24x2	N/A	1500	N/A	.35	1.0	14	14.0
	20x24x2	N/A	1670	N/A	.35	1.0	14	15.6
	12x24x2	N/A	1000	N/A	.35	1.0	14	9.3
	16x20x2	N/A	1100	N/A	.35	1.0	14	10.4
	16x25x2	N/A	1350	N/A	.35	1.0	14	13
	20x20x2	N/A	1350	N/A	.35	1.0	14	13
	20x25x2	N/A	1750	N/A	.35	1.0	14	16.2
	24x24x2	N/A	2000	N/A	.35	1.0	14	18.7
4"	12x24x4	N/A	1000	N/A	.33	1.0	12	16.0
	16x20x4	N/A	1100	N/A	.33	1.0	12	17.8
	16x25x4	N/A	1350	N/A	.33	1.0	12	22.2
	20x20x4	N/A	1350	N/A	.33	1.0	12	22.2
	20x25x4	N/A	1750	N/A	.33	1.0	12	27.8
	24x24x4	N/A	2000	N/A	.33	1.0	12	32.0

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Final maximum recommended resistance is 1.0" W.G. High Capacity MERV 13 at 3-10 micron. Maximum operating temperature 180 degrees fahrenheit intermittent.

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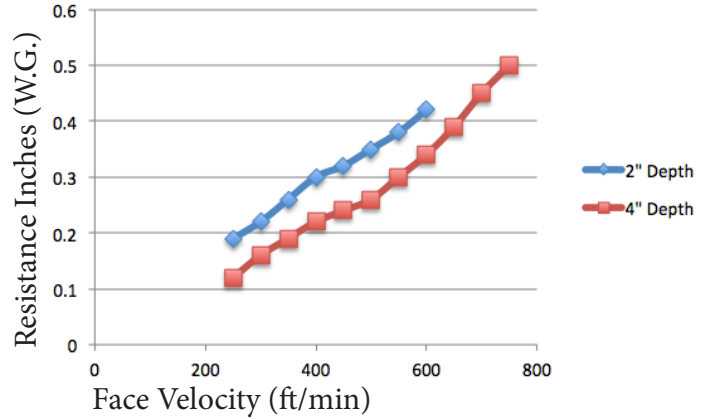


Airex Filter Corporation

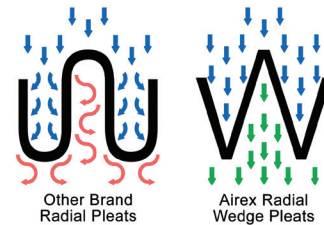
GP100 MERV 13

High Capacity Pleated Filter

example part # **GP10025252**
GP100-25-25-2



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 13 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 2" and 4" depths
- Special sizes available upon request



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.



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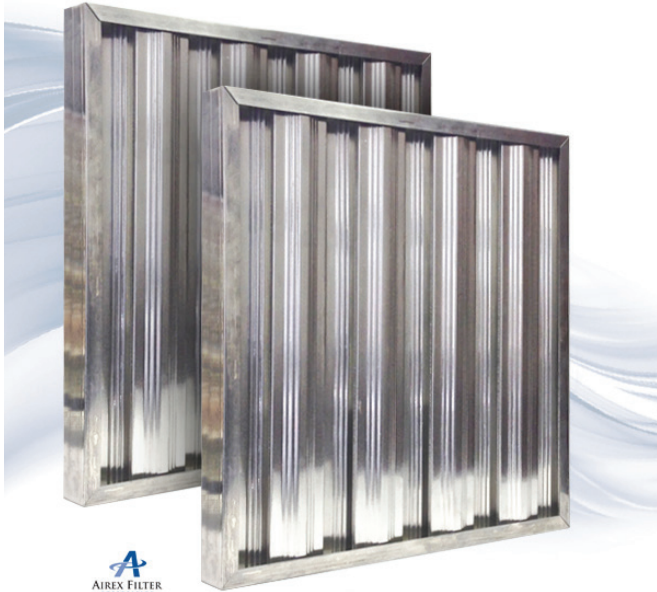
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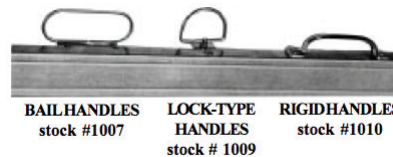
Grease & Fire Baffle Filter

Commercial & Industrial Filtration

**AIREX FILTER**
CORPORATION

The Airex Grease & Fire Baffle filter is manufactured with heavy 24 gauge galvanized steel or aluminum through out, including the baffles themselves. Two layers of baffles are carefully aligned to eliminate the direct passage of flame and grease through the filters. The heavy gauge makes all the difference when it comes to a superior baffle filter. Secured in place, the baffle pad will not shift or bend when being handled. Because of the extra weight, the filter won't vibrate when installed. The baffles are constructed from 24 gauge galvanized steel or aluminum, roll formed in a unique pattern that allows the grease to easily drain as well as gives the filter extra strength. The pad is framed in a heavy galvanized steel or aluminum frame, riveted on one side giving the filter the extra strength needed. Many hours of designing and testing has gone into the Airex Grease & Fire Baffle filter. Designed with the hood cleaning service companies in mind, these filters are made to hold up through numerous cleanings.

Handle Options



Three types of handles are available, at an additional cost. Bail, Lock-type and Rigid handles facilitate filter removal and installation.

Cleanability

Easily cleaned in a conventional or commercial dish washer, sink or by steam. Galvanized Steel and aluminum can withstand some stronger alkali solutions but it may cause discoloration in the filter. Cleaning times may vary per application depending upon the type and amount of grease that has accumulated. Because of the heavy steel or aluminum, the Airex Baffle Filter should withstand numerous cleanings.

Special Sizes

The Airex Baffle Filter is available in 1" & 2" depths.

Available Material

- Galvanized Steel - Hot Dip Galvanized Steel 24 gauge
- Heavy Commercial Aluminum

Construction

The baffles shall be constructed from 24 gauge Galvanized Steel or aluminum, roll formed in a unique pattern that allows the grease to easily drain as well as gives the filter extra strength. The "pad" is framed in a heavy Galvanized Steel or aluminum frame, riveted on one side giving the filter the extra strength needed.

Filter Material
(G=Galvanized)
(A=Aluminum)example part # **BAF25252****BAF-24-24-2-G**Filter Series
(BAF Galvanized)Filter Width
(24" Width)Filter Height
(24" Height)Filter Depth
(2" Depth)

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For more information, please visit our informational website

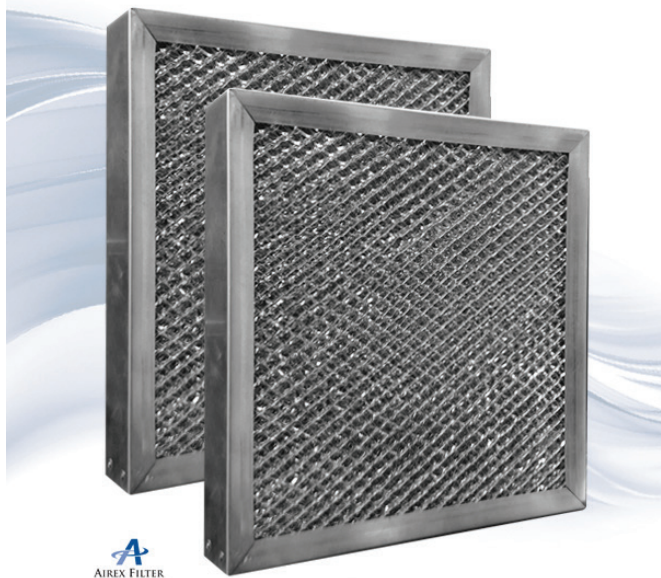
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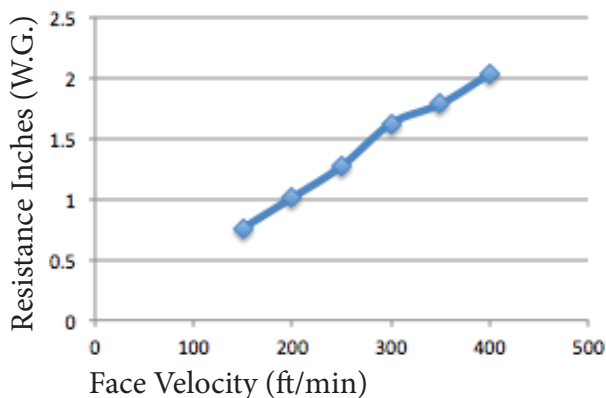
Airex Filter Corporation

EZ Kleen Metal Filter

Commercial & Industrial Filtration



The Airex EZ Kleen filters are available in all aluminum 1/2 inch, 1 inch or 2 inch thickness in all standard sizes as well as a variety of custom made sizes. Airex EZ Kleen metal filters are lightweight, durable, washable, and easy to clean. Simply flush with warm water or steam. Airex EZ Kleen metal filters are constructed with layers of woven aluminum mesh secured by a sturdy aluminum frame. For use in light grease applications (range hoods) as well as ceiling vent fans, air conditioners, HVAC system or univents. When used in a univent system a filter spray can be added to increase the efficiency. The EZ filter is also available in a round flat filter in a number of common sizes. Not recommended in a high volume air system.



Airex Filters EZ Kleen Air Filters are known for providing remarkably effective filtration which makes them the perfect match for today's sophisticated heating/cooling/combination units.

Cleanability

Easily cleaned in a conventional or commercial dish washer, sink or by steam. Aluminum can withstand some stronger alkali solutions but it may cause discoloration in the filter. Cleaning times may vary per application depending upon the type and amount of grease that has accumulated. Because of the aluminum, the Airex EZ Kleen Filter should withstand numerous cleanings.

Special Sizes

The Airex EZ Kleen Filters are available in .5", 1" & 2" depths.

- Delivers high overall performance at varying velocities up to 650 fpm.
- Bonded aluminum media provides strength and durability
- Meets UL Class 2 filter requirements.
- Water soluble Super Filter Coat Adhesive simplifies washing process.
- Unique mesh design provides high dust holding capacity for longer service life and increased overall performance.

example part # **MDMEZ24242**

MDMEZ-24-24-2

Filter Series
(MDM EZ Kleen)

Filter Width
(24" Width)

Filter Height
(24" Height)

Filter Depth
(2" Depth)

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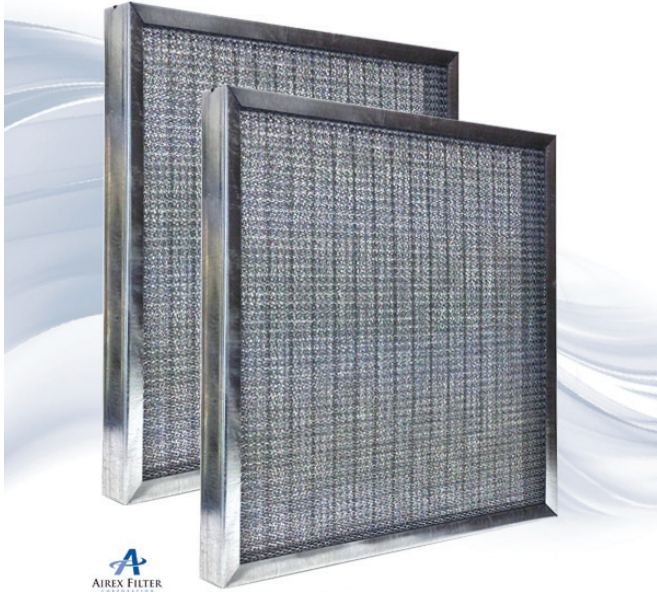
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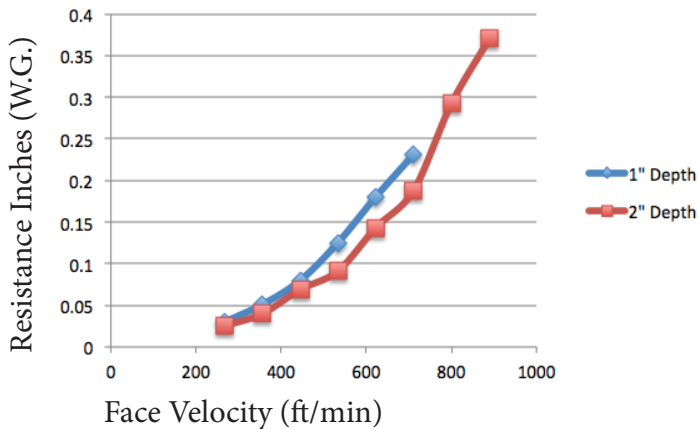


Airex Filter Corporation
HDA Aluminum
 Commercial & Industrial Filtration



The Airex HDA Permanent Aluminum Filters are available in 1/2 inch, 1 inch or 2 inch thickness' in all standard sizes, as well as a variety of custom sizes. They are manufactured using a heavy all aluminum frame. Airex HDA metal filters are lightweight, durable, washable, and easy to clean. Simply flush with warm water or steam. Drain holes are provided to remove excess water. Airex HDA metal filters are constructed with multi layers of pleated corrugated aluminum screening secured in a U channel aluminum frame. The heavy aluminum construction will hold up better in many applications where the CFM rating is high. This filter is also available in all galvanized (MDM). All standard size filters are cut 1/2 inch under on the length and width and 1/8 inch under on the thickness.

The HDA filter has a six layer filtering element, processed from sheet aluminum commercially known as 3003-H14 .025 thickness, expanded to .20 strand at specific feeds to assure maximum filtering and internal loading capabilities.



example part # **HDA25252**

HDA-25-25-2



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Three types of handles are available, at an additional cost. Bail, Lock-type and Rigid handles facilitate filter removal and installation.

CLEANABILITY

Because the Aluminum HDA is a lighter weight all aluminum filter, it is easy to clean and the filter is more manageable than a heavier filter (especially with handles). The filter can be effectively cleaned with steam or a hot water pressure hose, with or without a mild detergent. The filter should hold up to many cleanings without losing shape or efficiency.

SPECIAL SIZES

Filters can be custom made to fit odd-sized applications. In ordering sizes other than those shown in the price book, state exact size required in length, width, and thickness. Thicknesses also available in 3 inch and 4 inch.



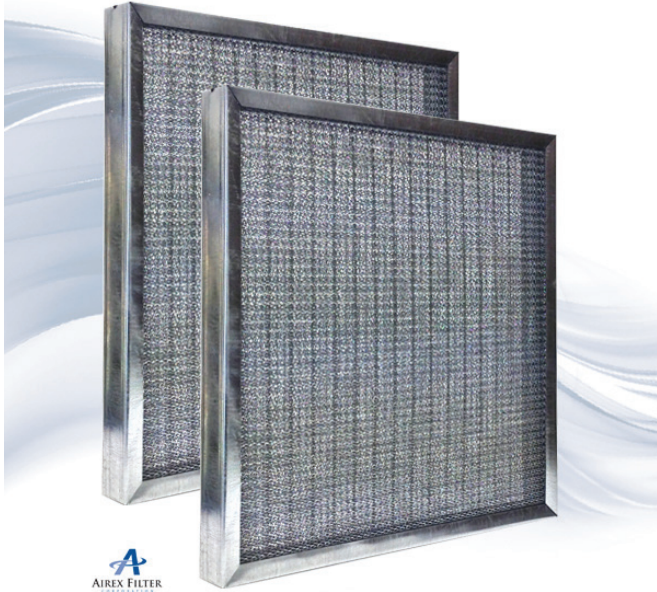
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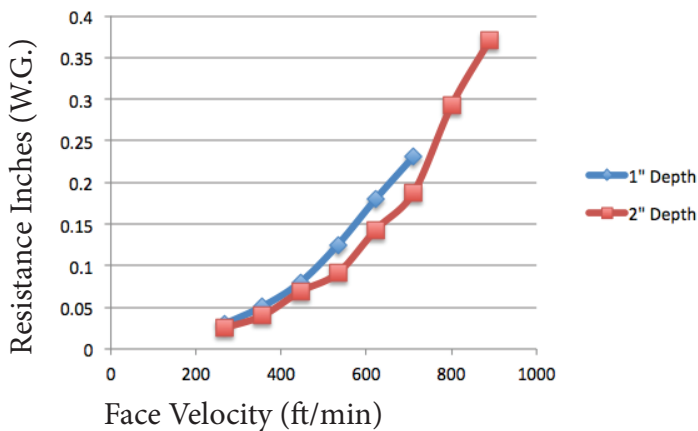
Airex Filter Corporation
MDM Perm-A-Steel
 Commercial & Industrial Filtration



The Airex MDM Permanent Metal Filters are available in 1/2 inch, 1 inch or 2 inch thickness' in all standard sizes, as well as a variety of custom sizes. They are manufactured using a heavy galvanized steel frame. Airex MDM metal filters are lightweight, durable, washable, and easy to clean: Simply flush with warm water or steam. Drain holes are provided to remove excess water. Airex MDM metal filters are constructed with multi layers of pleated galvanized screening secured in a U channel galvanized frame. The galvanized construction will hold up better in many applications where the CFM rating is high. This filter is also available in all aluminum (HDA). All standard size filters are cut 1/2 inch under on the length and width and 1/8 inch under on the thickness.

Six layers of expanded Galvanized Steel mesh, surrounded by a medium weight Galvanized Steel frame make up the AIREX Perm-A-Steel.

Designed as a low cost Galvanized filter to be used in light industrial, commercial, schools, office buildings and restaurant applications.



example part # **MDM25252**

MDM-25-25-2



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Three types of handles are available, at an additional cost. Bail, Lock-type and Rigid handles facilitate filter removal and installation.

CLEANABILITY

Because the Perm-A-Steel is a lighter weight Galvanized Steel filter, it is easy to clean and the filter is more manageable than a heavier filter (especially with handles). The filter can be effectively cleaned with steam or a hot water pressure hose, with or without a mild detergent. The filter should hold up to many cleanings without losing shape or efficiency.

SPECIAL SIZES

Filters can be custom made to fit odd-sized applications. In ordering sizes other than those shown in the price book, state exact size required in length, width, and thickness. Thicknesses also available in 3 inch and 4 inch.



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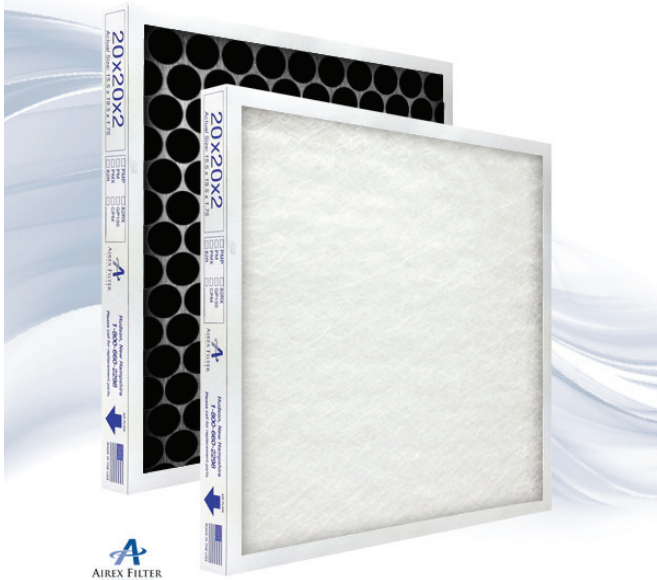
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Airex Filter Corporation

Dual Stage Carbon

Panel Filters - Polyester or Fiberglass w/Carbon

**AIREX FILTER**
CORPORATION

Airex Filter Corporation provides an effective solution for the removal of noxious odors, gases, and many other airborne contaminants which can cause potential health risks associated with poor indoor air quality. The Airex Carbon Media substrate is a polyester fiber, that has been impregnated with activated carbon, forming millions of pores and interconnected capillary passages which act as a molecular magnet to absorb molecules. The efficiency of the carbon substrate by itself is rated at under 20%. By backing a dust filtration media, fiberglass or polyester, with the impregnated activated carbon we achieve a dual filtration effect adding to the efficiency of the filter. The substrate filters the particulate matter, while the activated carbon filters the gas or vapor contaminants which can be more irritating or harmful on electronic components. Carbon media can also be added to the air leaving side of a MERV 8 or MERV 11 pleat pack to help increase the overall efficiency. Technical data differs depending on material used in front of the carbon media. The DSC filter shown above has one layer of carbon on the air leaving side of the filter. We can add any amount of carbon to increase the absorption capabilities.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Media Area (square foot)	Dust Holding Capacity
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.13	.21	.50	1.88	84 Grams
	15x20x1	640	1080	.13	.21	.50	1.96	87 Grams
	16x20x1	650	1100	.13	.21	.50	2.10	93 Grams
	16x25x1	850	1350	.13	.21	.50	2.64	117 Grams
	20x20x1	850	1350	.13	.21	.50	2.64	117 Grams
	20x25x1	1050	1750	.13	.21	.50	3.32	146 Grams
	24x24x1	1200	2000	.13	.21	.50	3.84	168 Grams
2"	12x24x2	600	1000	.12	.19	.50	1.88	120 Grams
	16x20x2	650	1100	.12	.19	.50	2.10	133 Grams
	16x25x2	850	1350	.12	.19	.50	2.64	167 Grams
	20x20x2	850	1350	.12	.19	.50	2.64	167 Grams
	20x25x2	1050	1750	.12	.19	.50	3.32	208 Grams
	24x24x2	1200	2000	.12	.19	.50	3.84	240 Grams

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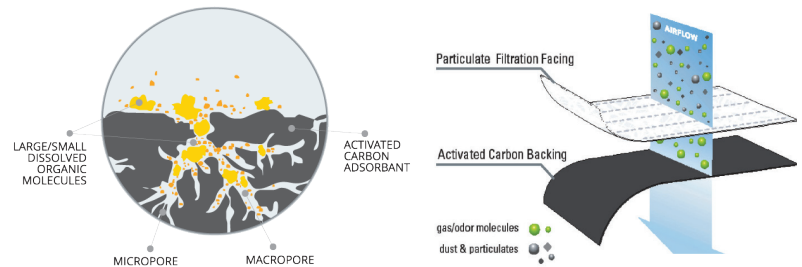
Dual Stage Carbon

Panel Filters - Polyester or Fiberglass w/Carbon



The fiberglass or polyester media is the first surface that the air passes through. This allows the air to slow down thus giving the air more surface contact time with the activated carbon media. *More contact time = higher efficiency.*

The carbon filter media is made from activated carbon and its primary function is the chemical adsorption of contaminants and impurities. The activated carbon in the filter also has a pore structure and so particulate removal is accomplished as well.



- MERV 6, 8 or 11 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2" and 4" depths
- Special sizes available upon request



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AIREX FILTER
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Airex Filter Corporation
CPM 100% Carbon
 All Carbon Pleated Filters



The Airex CPM Filter provides an effective solution for the removal of noxious odors, gases, and many other airborne contaminants which can cause potential health risks associated with poor indoor air quality. The Airex Carbon Media substrate is a polyester fiber, that has been impregnated with activated carbon, forming millions of pores and interconnected capillary passages which act as a molecular magnet to absorb molecules. We pleat the carbon media for more surface area making the filter more effective for removal of contaminants. By backing the pleated pack with an additional flat layer of carbon, we have created a dual stage carbon pleat (CPMDS) adding even more adsorption capabilities. We always suggest a pre filter in front of the all carbon filters to help extend the life of the carbon. The activated carbon media filters the gas or vapor contaminants which can be more irritating or harmful on electronic components. Carbon filters can be used in combination with fiberglass, polyester, or pleated filters to create multiple stages of filtration.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.24	.42	1.0	14	4.7
	16x20x1	650	1100	.24	.42	1.0	14	5.3
	16x25x1	850	1350	.24	.42	1.0	14	6.6
	20x20x1	850	1350	.24	.42	1.0	14	6.7
	20x25x1	1050	1750	.24	.42	1.0	14	8.3
	24x24x1	1200	2000	.24	.42	1.0	14	9.3
2"	12x24x2	600	1000	.20	.32	1.0	10	6.7
	16x20x2	650	1100	.20	.32	1.0	10	7.8
	16x25x2	850	1350	.20	.32	1.0	10	9.7
	20x20x2	850	1350	.20	.32	1.0	10	9.4
	20x25x2	1050	1750	.20	.32	1.0	10	11.8
	24x24x2	1200	2000	.20	.32	1.0	10	13.3
4"	12x24x4	600	1000	.18	.28	1.0	11	14.7
	16x20x4	650	1100	.18	.28	1.0	11	16.7
	16x25x4	850	1350	.18	.28	1.0	11	20.8
	20x20x4	850	1350	.18	.28	1.0	11	21.1
	20x25x4	1050	1750	.18	.28	1.0	11	26.4
	24x24x4	1200	2000	.18	.28	1.0	11	29.3
	25x29x4	1500	2500	.18	.28	1.0	11	37.1

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Final maximum recommended resistance is 3.0" W.G. MERV 8-70% efficient at 3-10 micron. Maximum operating temperature 180 degrees fahrenheit continuous. 200 degrees fahrenheit intermittent.

For more information, please visit our informational website

www.AirexFilter.com



example part # **CPM25252**

CPM-25-25-2



Airex Filter Corporation
CPM 100% Carbon
All Carbon Pleated Filters

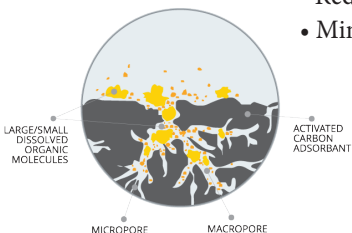


- MERV 8 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2" and 4" depths
- Special sizes available upon request

Product Design

CPM Series filters are pleated activated carbon filled nonwoven media sealed within a moisture resistant beverage board frame. The uniqueness of the product is the filter media. The polyester media is filled with fine mesh activated carbon through the depth of the media. The ultrapure carbon is thermally bonded to the polyester fibers providing superior product design and offering the following advantages.

- Maximum Carbon Surface Area
- Optimizes Efficiency and Available Capacity
- Exceptional Adhesion of Granules
- Precludes Carbon Dusting
- Consistent Carbon Distribution
- Reduces Channeling
- Minimizes Pressure Loss



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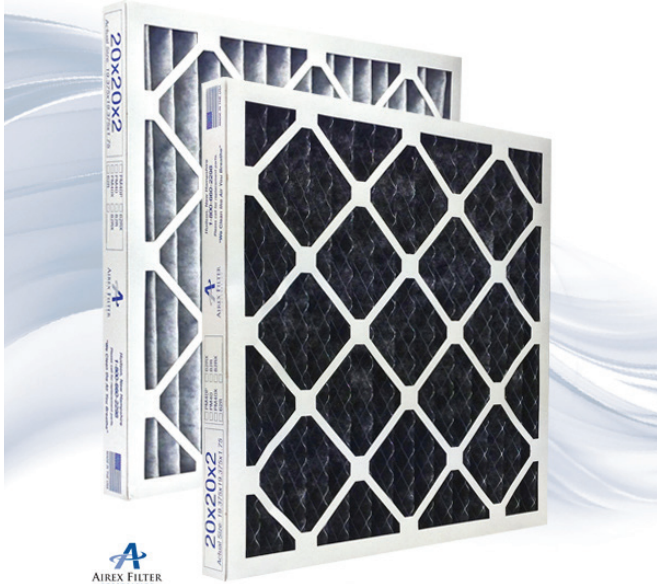
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Airex Filter Corporation

MERV 8 Carbon Combo

Pleated Filters - MERV 8 Media w/Carbon



The NEW CCPM MERV 8 Carbon Combo pleated filters are available in a wide range of sizes for all commercial, industrial and residential applications. The new Intrepid 508GP media has a first stage electrostatically charged media designed to attract and hold airborne contaminants providing excellent particulate filtration while protecting the second stage carbon media from particulate loading to ensure maximum odor removal capability. The downstream layer is optimized for rapid adsorption and retention of gaseous contaminants from the air stream. The carbon combination provides an effective solution for the removal of noxious odors, gases, and many other airborne contaminants which can cause potential health risks associated with poor indoor air quality. This product is available in all standard sizes as well as any custom size.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Pleats (per linear foot)	Media (area square foot)
		Med.	High	Med.	High	Final		
1"	12x24x1	600	1000	.30	.49	1.0	14	4.7
	16x20x1	650	1100	.30	.49	1.0	14	5.3
	16x25x1	850	1350	.30	.49	1.0	14	6.6
	20x20x1	850	1350	.30	.49	1.0	14	6.7
	20x25x1	1050	1750	.30	.49	1.0	14	8.3
	24x24x1	1200	2000	.30	.49	1.0	14	9.3
2"	12x24x2	600	1000	.27	.42	1.0	11	7.3
	16x20x2	650	1100	.27	.42	1.0	11	8.1
	16x25x2	850	1350	.27	.42	1.0	11	10.2
	20x20x2	850	1350	.27	.42	1.0	11	10.2
	20x25x2	1050	1750	.27	.42	1.0	11	12.7
	24x24x2	1200	2000	.27	.42	1.0	11	14.7
4"	12x24x4	600	1000	.24	.36	1.0	10	13.3
	16x20x4	650	1100	.24	.36	1.0	10	14.8
	16x25x4	850	1350	.24	.36	1.0	10	18.5
	20x20x4	850	1350	.24	.36	1.0	10	18.5
	20x25x4	1050	1750	.24	.36	1.0	10	23.1
	24x24x4	1200	2000	.24	.36	1.0	10	26.7
	25x29x4	1500	2500	.24	.36	1.0	10	33.6

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Final maximum recommended resistance is 3.0" W.G. MERV 8-70% efficient at 3-10 micron. Maximum operating temperature 180 degrees fahrenheit continuous. 200 degrees fahrenheit intermittent.

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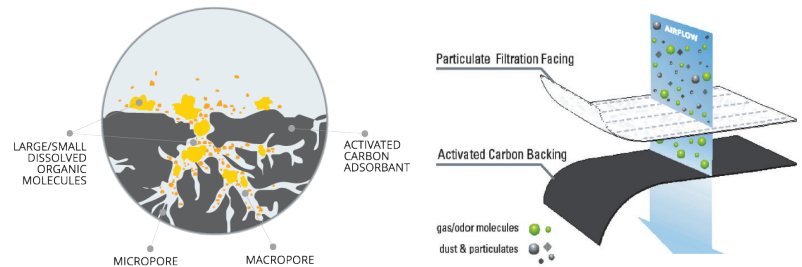
MERV 8 Carbon Combo

Pleated Filters - MERV 8 Media w/Carbon

example part # **CCPM25252****CCPM-25-25-2**

The MERV 8 media is the first surface that the air passes through. This allows the air to slow down thus giving the air more surface contact time with the activated carbon media. *More contact time = higher efficiency.*

The carbon filter media is made from activated carbon and its primary function is the chemical adsorption of contaminants and impurities. The activated carbon in the filter also has a pore structure and so particulate removal is accomplished as well.



- MERV 8 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 1", 2" and 4" depths
- Special sizes available upon request



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CORPORATION

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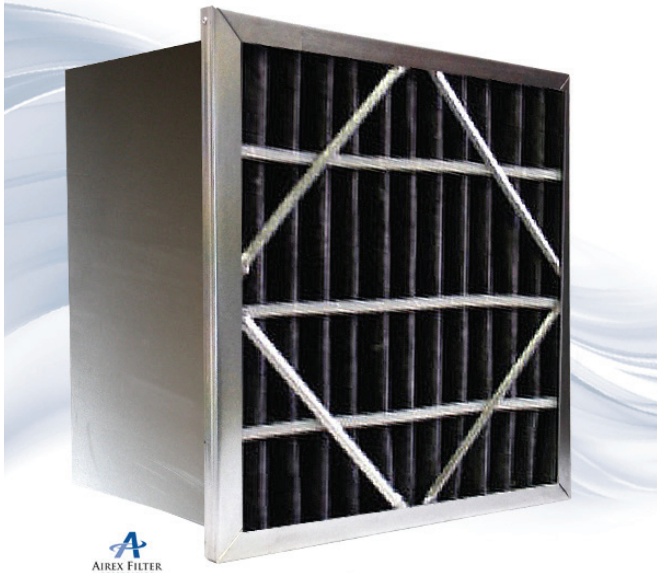
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Airex Filter Corporation

OdorGuard Rigid Cell Filter

Granular Activated Carbon Filter

**AIREX FILTER**
CORPORATION

No matter what the reason, when indoor air smells bad, people are not very happy about it. Bad air is unpleasant, distracting and potentially unhealthy. OdorGuard Filters from Airex Filter can help. OdorGuard Rigid Cell filters use CarbonWeb filter media containing 60% granular activated carbon which removes odors and gaseous pollution or a CarbonWeb filter media containing equal volumes of 60% activated carbon and activated alumina impregnated with 5% potassium permanganate (KMn4) to remove odors and light gases. Either loading will provide a fresher more odor free environment.

IAQ problems are unpredictable. They appear suddenly and can be a one-time occurrence, or crop up periodically. In either event, making changes in the air handling system to deal with them is not timely or cost effective.

Features:

- 26 gauge galvanized steel frame
- Available in box style or with header
- Granular activated or a 50/50 blend of carbon and activated alumina impregnated with 5% Potassium Permanganate (KMnO₄) for odors and light gases.
- Media pack bonded to frame utilizing moisture resistant adhesive, providing a continuous seal
- UL tested; class 2 approved

Product	Nominal Size	Media Area	Per Filter Pounds GAC-Wt.	Initial Resistance		Average Arrestance 500FPM	Merv Rating	Particulate Capacity (grams)	Final Resistance (inWG)
				300FPM	500FPM				
CARBON BOX STYLE									
OGCMC-12-800-01	12 x 24 x 12	29.0	3.8	.167	.425	91%	8	270	1.5
OGCMC-12-800-05	20 x 20 x 12	39.9	5.3	.167	.425	91%	8	371	1.5
OGCMC-12-800-06	20 x 24 x 12	48.3	6.4	.167	.425	91%	8	450	1.5
OGCMC-12-800-08	24 x 24 x 12	58.7	7.8	.167	.425	91%	8	547	1.5
CARBON WITH HEADER									
OGCMC-12-800-01	12 x 24 x 12	26.0	3.4	.167	.425	91%	8	242	1.5
OGCMC-12-800-05	20 x 20 x 12	35.4	4.7	.167	.425	91%	8	329	1.5
OGCMC-12-800-06	20 x 24 x 12	43.4	5.7	.167	.425	91%	8	404	1.5
OGCMC-12-800-08	24 x 24 x 12	52.6	7.0	.167	.425	91%	8	490	1.5
PLUS BOX STYLE									
OGBMC-12-800-01	12 x 24 x 12	29.0	3.8	.167	.425	91%	8	270	1.5
OGBMC-12-800-05	20 x 20 x 12	39.9	5.3	.167	.425	91%	8	371	1.5
OGBMC-12-800-06	20 x 24 x 12	48.3	6.4	.167	.425	91%	8	450	1.5
OGBMC-12-800-08	24 x 24 x 12	58.7	7.8	.167	.425	91%	8	547	1.5
PLUS WITH HEADER									
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OGBMC-12-800-05	20 x 20 x 12	35.4	4.7	.167	.425	91%	8	329	1.5
OGBMC-12-800-06	20 x 24 x 12	43.4	5.7	.167	.425	91%	8	404	1.5
OGBMC-12-800-08	24 x 24 x 12	52.6	7.0	.167	.425	91%	8	490	1.5

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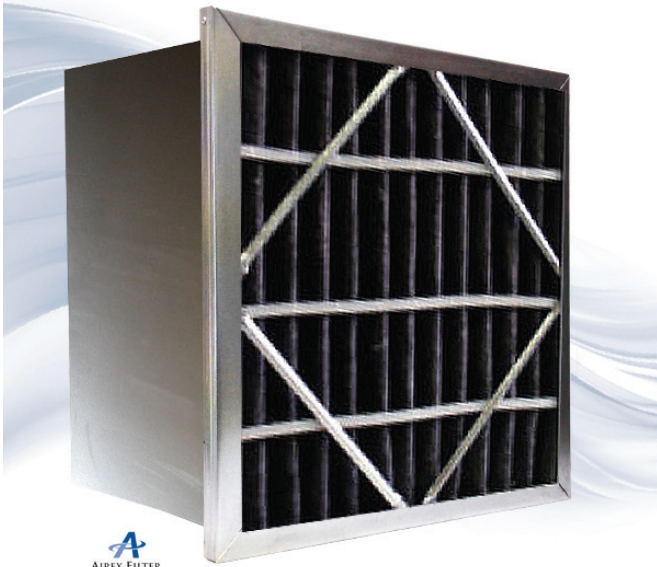
For more information, please visit our informational website

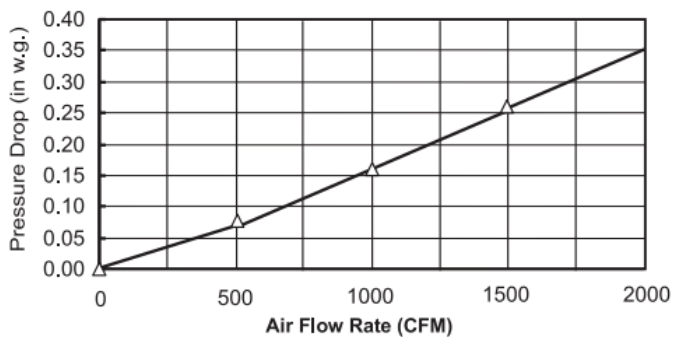
www.AirexFilter.com

Airex Filter Corporation

OdorGuard Rigid Cell Filter

Granular Activated Carbon Filter



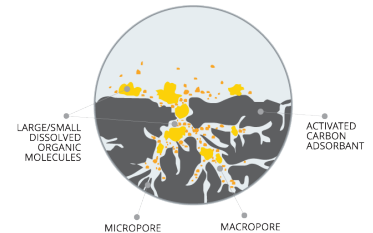
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 800-660-2298

IAQ problems are unpredictable. They appear suddenly and can be a one-time occurrence, or crop up periodically. In either event, making changes in the air handling system to deal with them is not timely or cost effective.

The solution is OdorGuard filters. Our Extended Surface Rigid Cell filters provide high efficiency removal of multiple contaminants for a variety of applications from museums to semiconductor facilities.

To find out more, visit the Airex Filter website or contact Airex Filter customer service and describe your odor control challenge.

**Designed for Removal of:**

- Particulates
- Gaseous Pollutants
- Odors

OdorGuard Rigid Cell Applications:

- Airports
- Hospitals
- Industrial Plant Offices and Laboratories
- Microelectronic Component Assembly
- Museums
- Office, Retail and Commercial Buildings



Airex Filter Corporation

Polyester Ring Panel Filters

Commercial & Industrial Filtration



The Airex PRP Polyester Ring Panel Filters are available in a wide range of sizes, one or two inch thickness' and dual or three ply material. The PRP filter is heat sealed on all four sides over a steel wire ring for added support, eliminating the need for an outer frame and increasing the surface area. The PRP filter has superior dust holding capacity and efficiency. A generous overlap of media outside the wire ring insures a self gasketing fit. There are several media combinations available that can increase performance of the filter including, but not limited to, dry media, tackified media and antimicrobial media. Polyester Ring Panel filters can be linked together to help in the ease of installation. A link can be two or more panels together allowing almost any size filter to be constructed. A Master Link is 24 panels of the same size linked together as one. Smaller linked panels can be cut from a master when multiple sizes are needed.

Typical Performance Characteristics @ 500 FPM

(Based On 24"x24" Filter)

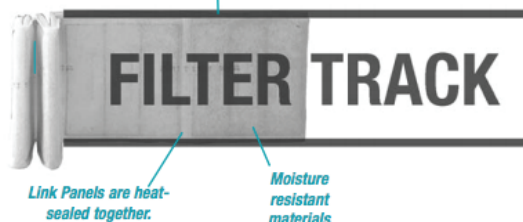
Filter Type	Initial Resistance	Average Efficiency	Average Arrestance	Dust Holding Capacity
1" PRP Tackified Two Ply Series 225-615	.09	28% MERV 6 & 8	87%	175 Grams
2" PRP Tackified Three Ply Series 325-625	.11	35% MERV 8	90%	195 Grams

Use link panels for easy installation in filter tracks and eliminate air bypass!

Link panels make installation easy. Just unfold the filter and slide it into the track as one continuous, long filter. When time to replace it, the whole filter comes out easily in one piece. Plus, the sealing between links and the generous selvage eliminates air bypass.

Goes in as one piece. Comes out as one piece.

Overcut gaskets against air bypass.



*Choice of media combinations

*Easy installation

*Heat sealed edges

*Welded internal frames

*Self gasketing snug fit

*High dust holding capacity

*Available in 1,2 or 3 ply tac or dry

*2 or 3 Distinct progressive densities

*Antimicrobial added

*UL class 2 approved - Ashrae 52.2

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For more information, please visit our informational website

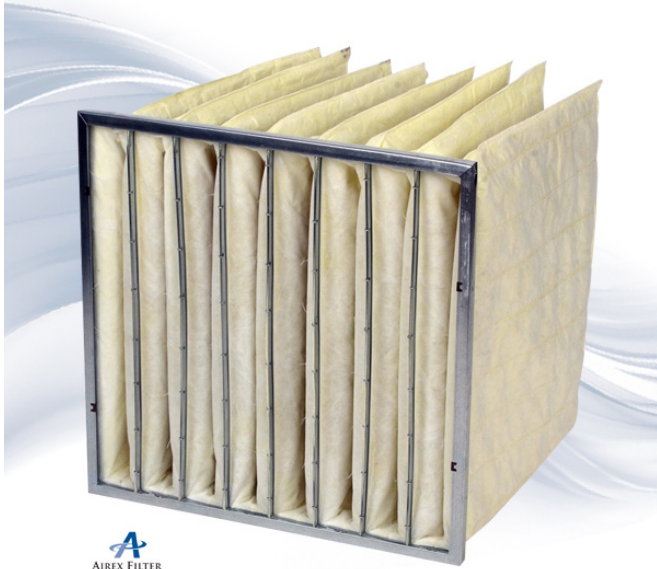
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Airex Filter Corporation

Enviro-Pak

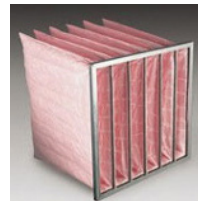
Medium & High Efficiency Bag Filter

**AIREX FILTER**
CORPORATION

The Airex Enviro-Pak Bag Filter are designed for use in most commercial or industrial HVAC systems where medium to high efficiency filtration is required. Enviro-Pak bags are available in a variety of standard and odd sizes in four different efficiencies: 45-50%, 60- 65%, 80-85%, and 90-95% with a MERV rating of 10 to 14. Each filter pocket is attached to a 26 gauge galvanized steel frame that is in turn inserted and locked into a 24 gauge galvanized steel double turned header. This rugged assembly prevents warping and provides an open filtering area of not less than 90%. Each pocket is designed to allow full inflation while maintaining adequate air exit space between adjacent pockets. Each pocket is divided into channels by “span-link” stitching which gives the pocket its unique configuration. The Enviro-Pak bag filter is available in either synthetic (recommended) or micro-glass media. The following test data is based on glass media and when replaced with synthetic (P) media, the initial resistance (W.G) is approximately ten percent less than the glass fiber bag on average. For areas where moisture is a concern we recommend a polyester media always be used.

Typical Performance Data

Size HxWxD	Recommended Capacity (CFM)	# of Pockets	Media Sq. Ft.	Inches W.G. for 60-65% MERV 12	Inches W.G. for 80-85% MERV 13-14	Inches W.G. for 90-95% MERV 15
24x24x36	2000	9	120	.36	.40	.45
24x24x36	2000	8	108	.38	.42	.47
24x24x36	2000	7	94	.40	.45	.50
24x24x36	2000	6	81	.42	.47	.52
24x24x29	2000	8	90	.42	.47	.52
24x24x29	2000	6	68	.44	.49	.55
24x24x21	1500	8	66	.40	.45	.50
24x24x21	1500	6	50	.42	.47	.52
24x24x18	1500	8	53	.42	.47	.52
24x24x18	1500	6	41	.44	.49	.55
24x12x36	1000	4	54	.36	.40	.45
24x12x36	1000	3	41	.36	.43	.48
12x24x36	1000	6	41	.39	.43	.48
24x12x29	1000	4	45	.39	.41	.48
24x12x29	1000	3	34	.37	.48	.46
24x12x22	1000	4	33	.43	.49	.53
24x12x21	1000	3	25	.44	.52	.55
12x24x21	1000	6	25	.46	.52	.58
24x12x18	1000	3	21	.46	.56	.58
24x20x36	1500	7	94	.50	.38	.62
20x24x36	1500	8	94	.34	.38	.42
24x20x36	1500	5	68	.34	.41	.42
20x24x36	1500	6	68	.37	.41	.46
24x20x29	1500	7	76	.37	.40	.46
24x20x29	1500	5	54	.36	.47	.45
24x20x22	1500		58	.42	.47	.52
20x24x22	1500	8	58	.42	.47	.52
24x20x22	1500	5	41	.46	.52	.58
20x24x22	1500	6	41	.46	.52	.58
20x20x33	1000	5	57	.36	.40	.43
20x20x22	1000	3	38	.43	.48	.53



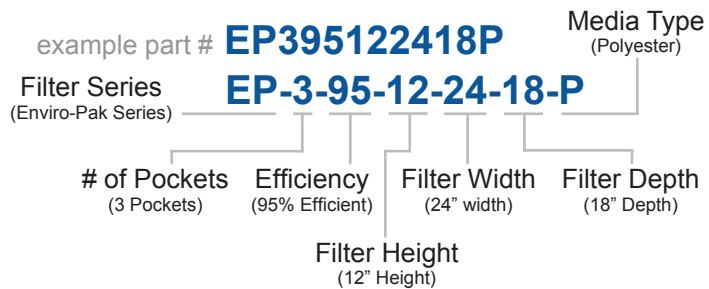
- Medium to High Efficiency per ASHRAE 52.1
- Open throat design for optimum air flow
- Galvanized steel header and J-channels for filter strength
- Available in a wide range of sizes
- Gasketing available
- Pocket support loops are available
- UL Class 2



Airex Filter Corporation

Enviro-Pak

Medium & High Efficiency Bag Filter



- Synthetic or Fiberglass Media Available
- Exclusive Reinforced Header Design
- Heavy-duty, Span-stitched Construction
- High Dust Holding Capacity
- Special Sizes Available
- Max. Temp.: 150 F continuous, 200 F peak
- Resistant to 100% R.H.
- Flammability: UL 900, Class 2

AIREX FILTER
CORPORATION

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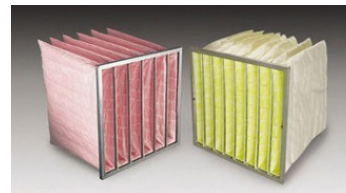
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Benefits

The Synthetic Pocket Filter offers high efficiency filtration, low initial resistance, high dust holding capacity, and best economy of any filter in the industry. The non-shed media eliminates fiber migration downstream and withstands 100% humidity.

Applications

The Pocket Filters are designed as primary or secondary filters in heating, ventilating and air conditioning systems. Various depths and pocket configurations are offered to accommodate any type of HVAC equipment. Superior dust-holding capabilities allow these filters to be used in most commercial and industrial applications as well as hospitals, automotive plants and biotechnology facilities.



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Airex Filter Corporation

Polyester Sleeves & Rolls

100% Needled Polyester Material

**AIREX FILTER**
CORPORATION

The Airex slip on sleeve is manufactured using only the highest quality needled polyester media available today. Needled polyester is material that may start as 6 to 10 ounce lay-on-polyester, which is then needled to a dense mat approximately 1/8 inch thick. The sleeve filter was designed to replace the less efficient 1/2 and 1 inch fiberglass type filters. Needled polyester can be used in many applications that may call for a thinner or more efficient filter. Carbon can be used on one or both sides of the filter, a perfect solution for cigarette smoke or other odors. This material is also available in rolls which can be cut into individual sleeves to fit any size unit. The sleeve is pulled over the existing wire frame to make a supported univalent filter. If the wire frame is not available we can supply these as well. When ordering a sleeve always give us the size of the wire frame. All sleeves are stitched closed on three sides leaving one opening for the wire to slide into.

Typical Performance Characteristics @ 500 FPM

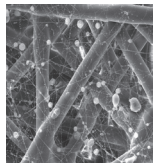
(Based On 24"x24" Filter)

Filter Type	Initial Resistance	Average Efficiency	Average Arrestance	Dust Holding Capacity
Needlepoint Poly Sleeve	.20	23%	90%	150 Grams
Needlepoint Poly/ Carbon Sleeve	.18	20%	85%	165 Grams

High efficiency**Easy installation*****Sewn on three edges*****Choice of media combinations*****Welded internal frames*****Self gasketing snug fit*****Odd sizes available*****Low cost**

Polyester Media

Quality polyester media is manufactured using specially produced developer polyester. The fibers are bonded together to form an interlocking pattern of tiny lint and dust traps. Polyester eliminates the possibility of fibers breaking off and getting into the air stream. A heavy chipboard frame surrounds the polyester media as well as bottlecap on both the air leaving side and air entering side giving extra strength. These filters can withstand temperatures up to 200 degrees F.

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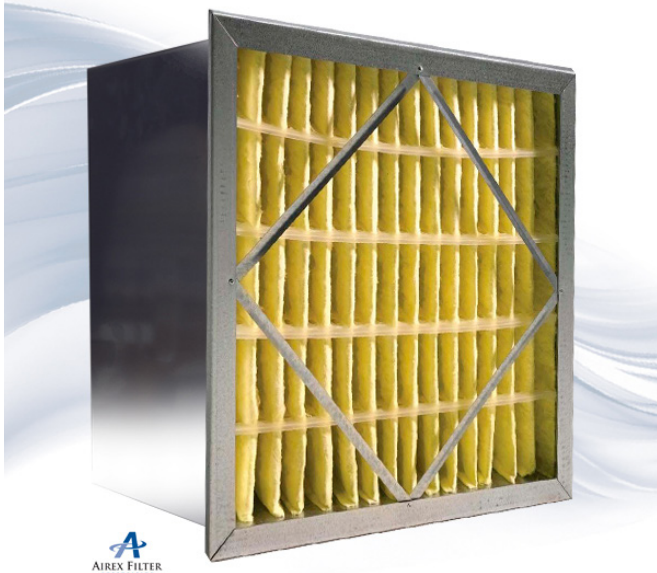
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Airex Filter Corporation

Air-Pak Rigid Box

Medium & High Efficiency Air Filter

**AIREX FILTER**
CORPORATION

The Airex Air-Pak Rigid Box filter is available in four different efficiencies 45-55% (MERV 10), 60- 65% (MERV 11), 80-85% (MERV 13), and 90-95% (MERV 15). The MERV rating is 10-15 depending upon the materials used. The performance of the Air-Pak filter is not affected by changes in air velocity or fan shutdown which makes it ideal for variable air volume systems. The 26 gauge galvanized steel enclosing frame and perimeter support on the header style filter make the Air-Pak the strongest filter of its type. The media is thoroughly bonded to the enclosing frame providing extra strength to the media pack and eliminating the possibility of air bypass. Waterproof plastic or metal pleat separators can be used to control spacing and prevent the pleated rows from collapsing. When a higher velocity filter is required we replace the cross sectional piece on the front and back of the filter with a 2x2 heavy welded wire grate. This gives added support in higher velocity systems where a GT filter may be used. CFM rating on GT Airpak 500-625 FPM. UL 900 approved class 2.

Typical Performance Data

Air-Pak		12" Deep Air-Pak			6" Deep Air-Pak		
Filter Media	Nominal Size	Airflow Capacity (CFM)	Initial Resistance	Media Area (FT ²)	Airflow Capacity (CFM)	Initial Resistance	Media Area (FT ²)
45-50% Efficiency	12x24	1000	.24	28	1000	.29	14
	20x20	1400	.24	39	1400	.29	19
	20x24	1660	.24	47	1660	.29	24
	24x24	2000	.24	58	2000	.29	29
60-65% Efficiency	12x24	1000	.28	28	750	.31	14
	20x20	1400	.28	39	1050	.31	19
	20x24	1660	.28	47	1245	.31	24
	24x24	2000	.28	58	1500	.31	29
80-85% Efficiency	12x24	1000	.49	28	600	.40	14
	20x20	1400	.49	39	840	.40	19
	20x24	1660	.49	47	995	.40	24
	24x24	2000	.49	58	1200	.40	29
90-95% Efficiency	12x24	1000	.67	28	600	.55	14
	20x20	1400	.67	39	840	.55	19
	20x24	1660	.67	47	995	.55	24
	24x24	2000	.67	58	1200	.55	29

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Final maximum recommended resistance is 2.0" w.g.

Maximum operating temperature 160 degrees fahrenheit continuous.
Product color may vary. Manufactured by Clean & Science, Chicago, IL.

For more information, please visit our informational website

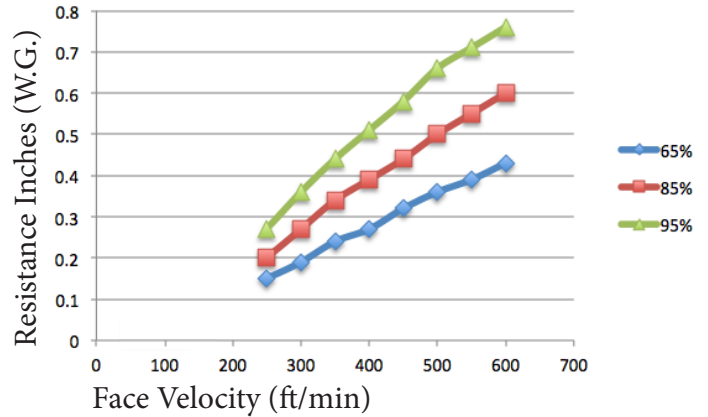
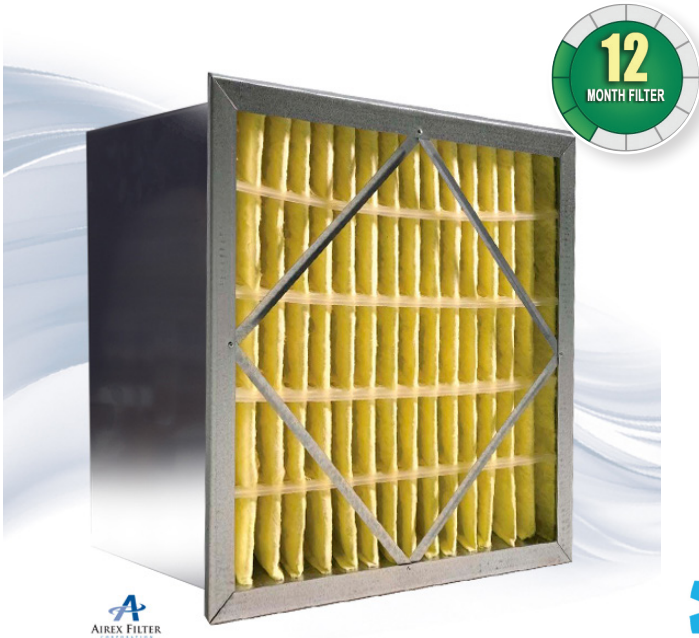
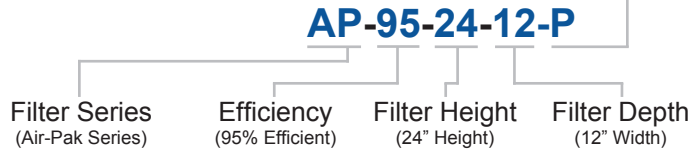
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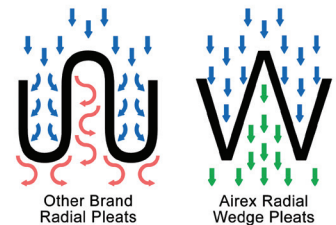
Airex Filter Corporation

Air-Pak Rigid Box

Medium & High Efficiency Air Filter



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- Ecologically advanced filtration medium made entirely from recycled materials.
- Rugged corrosion-resistant steel casing minimizes damage during shipping and handling.
- Lofted fiberglass micro-fine or synthetic media is held in position by upstream and downstream plastic or metal pleat supports.
- Units are available with or without header.
- Filters are completely rigid. MERV 10-15



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Airex Filter Corporation

Superflow V-Bank

Mini-Pleat Layered Synthetic Media

**AIREX FILTER**
CORPORATION

The Airex Superflow-V filter uses mini-pleat technology typically found in HEPA and ULPA filters to produce a high efficient, low resistant filter with almost 200 square feet of media. Lower resistance means lower energy demand, longer service life, and lower maintenance costs. The Superflow-V can handle up to 750 FPM, which makes it the perfect solution when the need for high efficiency and low resistance meet high airflow requirements and space constraints. The Superflow filters are constructed of multiple mini pleat panels bonded to flame-retardant plastic panels on top and bottom to make a very strong assembly that is both corrosion and moisture resistant. Aerodynamic extruded vertical supports minimize air turbulence. The Superflow-V is available in 65%, 85%, 95% and 98% ASHRAE efficiencies and 95% DOP. MERV 12-15. Operating limits: 160 degrees F and 100% RH continuous duty. Filters are UL 900 listed.

Typical Performance Data

Model Number	Average Efficiency	Resistance @ 500 FPM	Resistance @ 625 FPM	Resistance @ 750 FPM
SFV65	75% ASHRAE MERV11	.22" w.g.	.30" w.g.	.50" w.g.
SFV85	85% ASHRAE MERV13	.26" w.g.	.28" w.g.	.58" w.g.
SFV95	95% ASHRAE MERV15	.30" w.g.	.34" w.g.	.67" w.g.
SFV98	98% ASHRAE MERV15	.55" w.g.	.60" w.g.	n/a
SFVD95	95% DOP	.70" w.g.	.75" w.g.	n/a

Size Designator	Nominal Size	Actual Size	Media Area
44	24x24x12	23.375x23.375x11.5	190 sq. ft.
40	24x20x12	23.375x19.375x11.5	162 sq. ft.
42	24x12x12	23.375x11.375x11.5	98 sq. ft.

Temperature Range:

160 degrees fahrenheit continuous

Humidity Resistance:

up to 100%

Burst Resistance:

average burst pressure 8.0" w.g.

Guaranteed burst resistant to 6.0" w.g.

Final Resistance:

2.0" w.g. recommended

3.2" w.g. maximum

Actual Header Size:

Nominal size less 5/8"

(e.g. a nominal 24"x24" filter is actually 23.375"x23.375".

Actual depth is 11.5"

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Final maximum recommended resistance is 2.0" w.g.
Maximum operating temperature 160 degrees fahrenheit continuous.

For more information, please visit our informational website

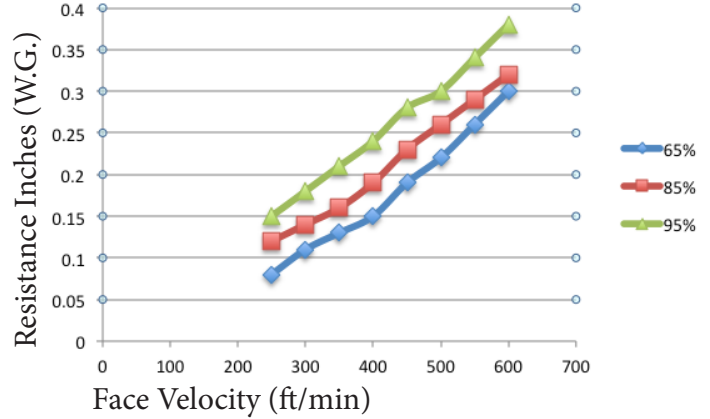
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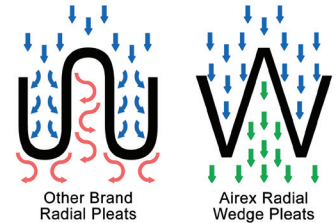
Superflow V-Bank

Mini-Pleat Layered Synthetic Media

example part # **SFV952412**
SFV-95-24-12



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- **Mold and Moisture Resistant**
- Melt-blown Synthetic Media Panels
- Innovative Antimicrobial Technology
- Industry Leading Low Pressure Drop
- Large Dust Holding Capacity
- Neoprene Sponge Gasket Included
- Long Lasting Filter
- Easy To Handle Lightweight Frame



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UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.



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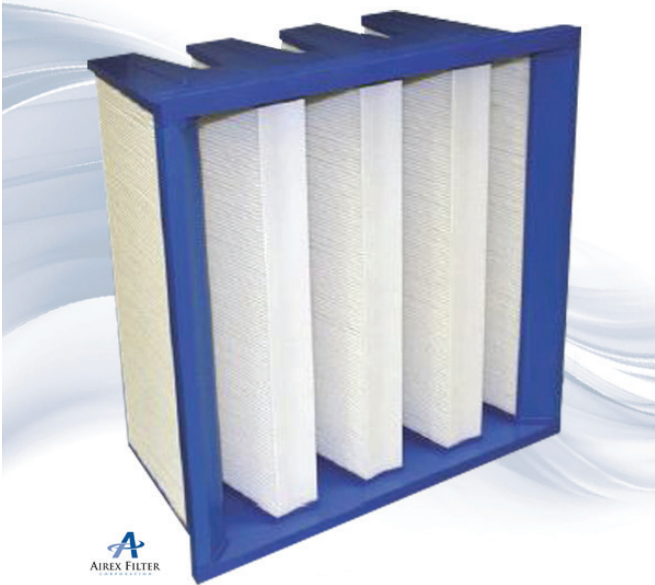
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Airex Filter Corporation
viledon® MV95
 Extended Surface V-Style Filter



The viledon MV Extended Surface Filter meets all requirements of standard air handling systems as to frame dimensions, depth, and filter performance. viledon's filtration superiority is known as the viledon difference.

Viledon filters have been developed specifically for intake, exhaust, and recirculated air filtration HVAC systems that have stringent requirements for clean air quality and cost efficiency.

- Also available with a Patented 1" recess design for "V" style filters drastically lowers pressure drop when used in conjunction with pleated or panel style pre-filters on the face of the filter. The patented 1" recess provides full utilization of the entire prefilter media area.
- The MV95 V-Banks are potted into a high strength all plastic frame. This assures the user of maximum operational dependability and consistent filtration throughout each specific application.
- The sturdy construction assures optimum performance under turbulent flow conditions and load changes. This means that the risk of particle or fiber shedding is practically eliminated.
- Viledon develops and manufactures its own organic synthetic filter media.
- Fine, progressively structured, thermally bonded media provide exceptionally low pressure drop at high efficiency levels.
- Gas Turbine Fine Filtration Media is resistant to physical damage from moisture and chemicals.
- The light weight of the MV provides easy handling and reduced cost for transport, shipping and disposal.
- The entire filter element is free of metals, halogens, and glass fibers. The filter element is also corrosion proof and fully incinerable. These features allow for lower disposal costs.
- Moisture-resistant up to 100% relative humidity.

Typical Performance Data

Rated Air Flow	1968 CFM
Initial Resistance	.31 W.G.
Final Resistance	1.50 W.G.
MERV@1968	MERV 16
ASHRAE 52.1 Equivalent Efficiency	>95%
UL 900 Classification	
Burst Strength	>25 W.G.

V-Shaped pleats eliminates obstruction to air flow for lower pressure drop.



All plastic construction eliminates corrosion



Patented offset optimizes airflow when used with prefilters



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Final maximum recommended resistance is 1.5" w.g.
 Maximum operating temperature 160 degrees fahrenheit continuous.
 Product color may vary. Manufactured by Freudenberg Filtration Technologies.

For more information, please visit our informational website

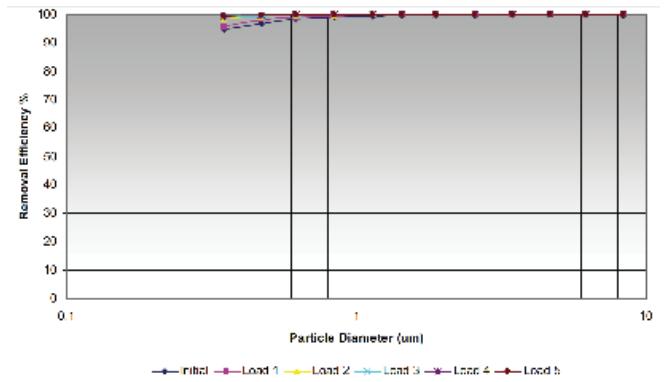
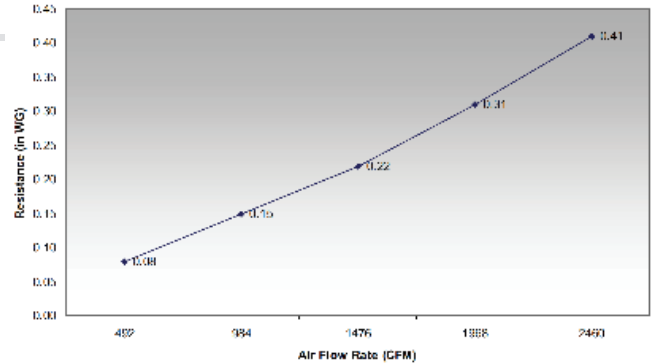
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viledon® MV95
 Extended Surface V-Style Filter

example part # **MV952412**

MV-95-24-12



Characteristics	unit	1/1 (24x24)	1/2 (12x24)	5/5 (20x20)	5/6 (20x24)
Header Size	in.	23-3/8x23-3/8	11-3/8x23-3/8	19-3/8x19-3/8	19-3/8x23-3/8
Depth 1" Recess	in.	12-1/2	12-1/2	N/A	12-1/2
Depth Non-Recess	in.	11-1/2	11-1/2	11-1/2	11-1/2
Weight	lb.	10	5.0	6.5	8.3
Media Area	ft ²	130.07	56.48	76.76	106.24



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Airex Filter Corporation

Superflow Quad

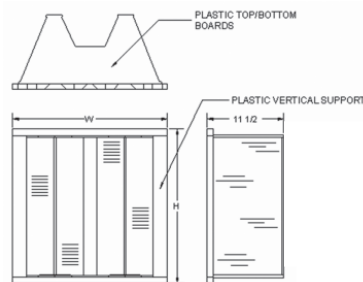
Medium & High Efficiency V-Bank Filter

**AIREX FILTER**
CORPORATION

The Airex Superflow-Quad Filter uses mini-pleat technology typically found in HEPA and ULPA filters to produce a high efficient, low resistant filter with up to 120 square feet of media. Lower resistance means lower energy demand, longer service life, and lower maintenance costs. The Superflow Quad can handle up to 500 FPM, which makes it the perfect solution when the need for high efficiency and low resistance meet high airflow requirements and space constraints. The Quad has less media than the Superflow V to make it cost effective for applications where the Superflow V is not needed. The filter frame is made of a fire retardant ABS plastic with vertical supports to provide a lightweight filter. Service personal prefer the SFVQ over many of the other cell filters because of its lightweight and ease of transporting and installing. The Superflow Quad is available in 65% and 95% ASHRAE efficiencies and has a UL 900 class 2 listing.

Typical Performance Data

Model Number	Average Efficiency	Resistance @ 500 FPM
SFVQ65	65% ASHRAE MERV11	.39" w.g.
SFVQ95	95% ASHRAE MERV15	.56" w.g.



Size Designator	Nominal Size	Actual Size	Media Area
44	24x24x12	23.375x23.375x11.5	120 sq. ft.
40	24x20x12	23.375x19.375x11.5	95 sq. ft.
42	24x12x12	23.375x11.375x11.5	65 sq. ft.

Low Pressure Drop - Superflow Quad mini-pleat filters have a low clean pressure drop as compared to other rigid style filter designs of the same efficiency. This affords low fan energy costs during much of the life of the filter system. In addition, they are the filters of choice for packaged air conditioning systems that do not have the fan capacity of larger central systems.

Temperature Range:

160 degrees fahrenheit continuous

Humidity Resistance:

up to 100%

Burst Resistance:average burst pressure 2.0" w.g.
Guaranteed burst resistant to 1.0" w.g.**Final Resistance:**1.0" w.g. recommended
1.5" w.g. maximum**Actual Header Size:**Nominal size less 5/8"
(e.g. a nominal 24"x24" filter
is actually 23.375"x23.375".
Actual depth is 11.5"**Register today for online ordering:**

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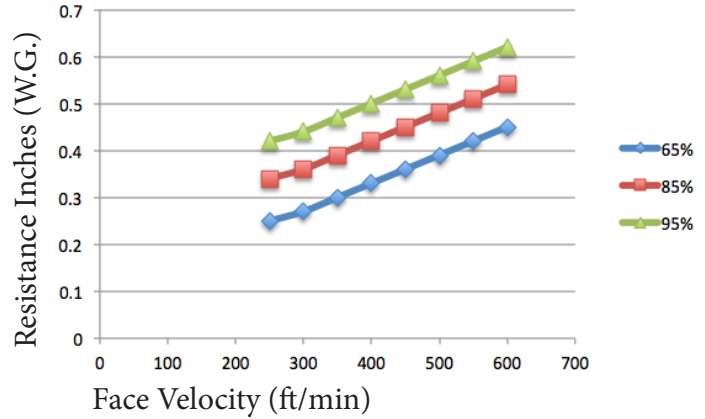
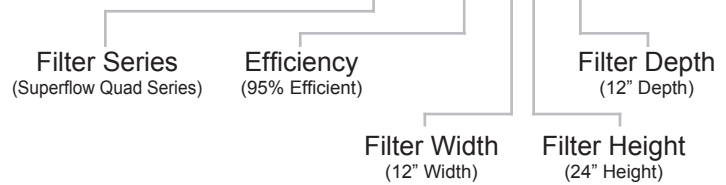
Final maximum recommended resistance is 1.5" w.g.
Maximum operating temperature 160 degrees fahrenheit continuous.

For more information, please visit our informational website

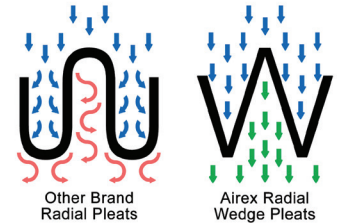
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Airex Filter Corporation
Superflow Quad
 Medium & High Efficiency V-Bank Filter

example part # **SFVQ952412**
SFVQ-95-24-12



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- **Mold and Moisture Resistant**
- Melt-blown Synthetic Media Panels
- Innovative Antimicrobial Technology
- Industry Leading Low Pressure Drop
- Large Dust Holding Capacity
- Neoprene Sponge Gasket Included
- Long Lasting Filter
- Easy To Handle Lightweight Frame



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Airex Filter Corporation
Pureform HEPA
 High Capacity HEPA Filters



Typical Performance Data

Model Number	Actual Dimensions	Efficiency Rating
PF242412	24x24x12	99.97%
PF1222412	12x24x12	99.97%

The Pureform Filter offers many advantages over conventional Separator Style HEPA Filters:

- More usable media area for longer service life because of higher dust holding capacity
- Reduced cost of ownership because of longer service life
- Maximum utilization of the media
- Can handle some harsh environments which may attack aluminum separators
- Media is 28 mils thick, which is significantly thicker than conventional 15 mil media used in Separator Style HEPA's

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High Capacity Design

The Airex Pureform High Capacity HEPA filter is available in a nominal 12" depth configuration. It is designed for optimum performance and low operating costs in both new and replacement systems. The Pureform HEPA saves space, energy, and material and labor costs with 40% more media area than the standard capacity Cell filter.

Save Space

The Airex Pureform High Capacity HEPA filters operate at 500 fpm (2000 cfm for a 24" x 24" size) at 1.35 inch w.g. clean pressure drop versus conventional Cell filters that operate at 250 fpm and .80 inch w.g. clean pressure drop.

Construction

A popular construction consists of 16 ga. galvaneal frames and moisture-resistant microfine Pureform Separatorless media. The filter pack is bonded to the frame by a fire-retardant urethane elastomer to provide a rigid leak-free assembly.

Save Energy

The Airex Pureform High Capacity HEPA filters in a conventional HEPA filter bank impose a lighter load on the fan when operated at conventional 250 fpm velocities during the life of the filters. The high capacity 24" X 24" X 11.5" filter has a clean pressure drop of 1.0 inch w.g. at 1500 cfm, compared to standard Cell filters with a clean pressure drop of 1.50 inch w.g. at the same air flow.

Save Replacement Material and Labor Costs

Savings are significant with high capacity Pureform HEPA filters. They operate at lower velocities and provide life cycles up to three times the life of standard capacity filters. Savings are achieved in replacement materials and labor costs as a result of fewer filters.

Frame Materials:

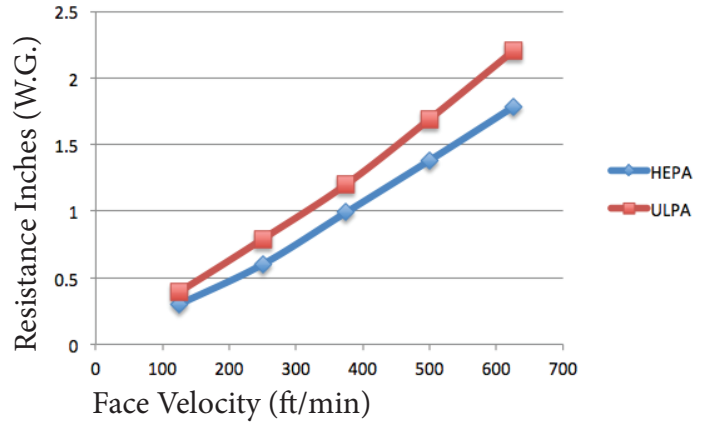
Alpha 2000 Filters are available in a variety of wood and metal frame materials such as particleboard, plywood, galvanized steel and stainless steel.

For more information, please visit our informational website

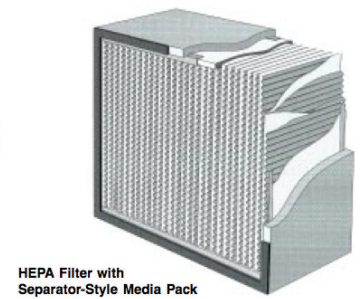
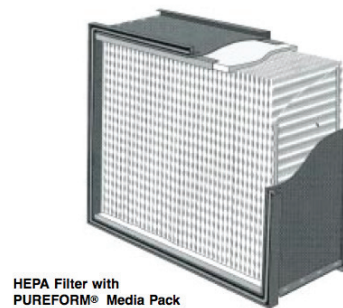
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Airex Filter Corporation
Pureform HEPA
High Capacity HEPA Filters



- Efficiencies are 99.97% and 99.99% on 0.30 and 99.9995% on 0.12 micrometer particles.
- High capacity Pureform HEPA filters can reduce the filter bank size
- Available as a separatorless media filter with a self-supporting media pack
- Available in a variety of frame materials in gasket or fluid seal design.



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Airex Filter Corporation

420 & 440 Poly Cubes

Polyester Cube Style Filters



The Airex 420 Polyester Cube is a tackified two ply material and the Airex 440 polyester cube is a three ply tackified material. Both are available in a variety of standard common sizes 15 deep. The 420 cube has a MERV rating of 6 and the 440 cube has a MERV rating of 8. The dual pocket design gives each filter a greater filtering surface to capture more dirt and dust. The polyester material is attached to a 1/8 inch wire galvanized steel header frame with a center support rod for added support. Each filter has an open area of not less than 95% with a very low initial pressure. The pockets are designed to allow full inflation while maintaining adequate air to flow freely. Each pocket is heat sealed and then stitched around the wire ring or frame. When installed into any system a side by side gasket like seal is created. A 13/16 inch header can be added when needed for certain tracking systems. The Poly Cube filter works great in areas where moisture is a problem.

Typical Performance Data

Model Number	Average Efficiency	Resistance @ 250 FPM	Resistance @ 250 FPM	MERV Rating
420	20% ASHRAE MERV 6	0.08" W.G.	0.20" W.G.	MERV 6
440	28% ASHRAE MERV 8	0.10" W.G.	0.23" W.G.	MERV 8

Temperature Range

Less than 140 degrees fahrenheit continuous recommended

Humidity Resistance

Up to 100%

Burst Resistance

Average burst pressure 1.0" w.g.
Guaranteed burst resistant to 0.50" w.g.

Final Resistance

0.50" w.g. recommended
1.0" w.g. maximum

Size Designator	Nominal Size H x W x D	Actual Size H x W x D	Media Area Square Feet
4415	24x24x15	23.375"x23.375"x15"	12 square feet
4015	24x20x15	23.375"x19.375"x15"	10 square feet
4215	24x12x15	23.375"x11.375"x15"	7 square feet

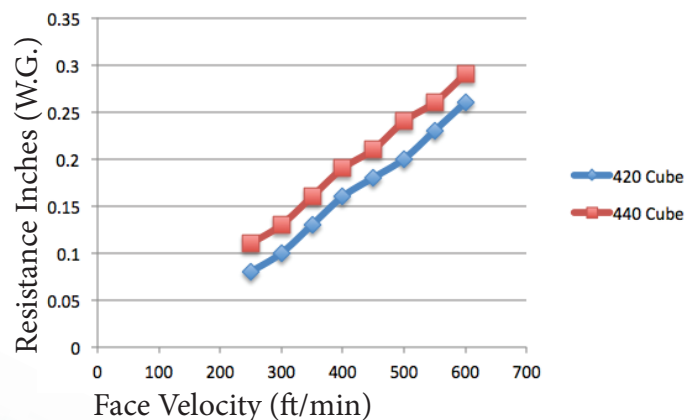


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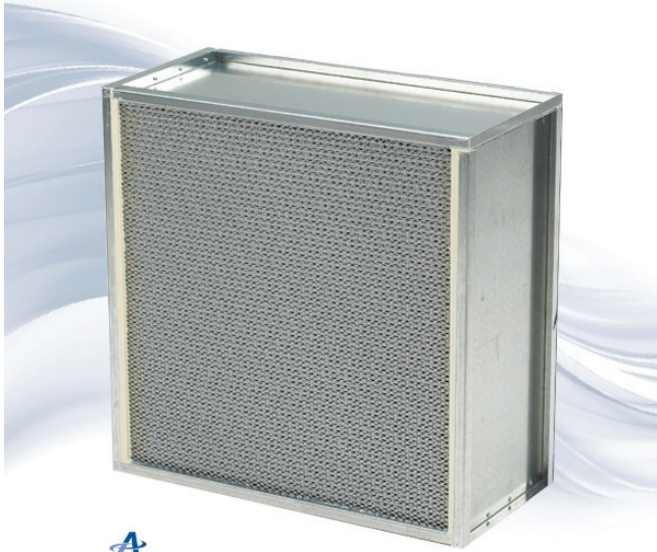
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Micro Air HEPA

99.97% and 99.99% Efficient Filters

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The Airex Micro Air 99.97% and 99.99% efficient HEPA filters are used in many applications including hospitals, bio-medical, manufacturing process and clean rooms. Each Industrial Grade Filter is manufactured and tested in accordance with Recommended Practice IEST-RP-CC-034-1. The Micro Air is available in a variety of frame materials including particleboard, plywood, aluminum, galvanized steel and stainless steel. The frame style can be manufactured with or without headers and with or without flanges. The filter media is a continuous sheet of non-woven water resistant fiberglass media, DOP tested with a minimum efficiency of 99.97%. The filter pack is available either pleated over .0015 thick corrugated aluminum separators, or as a separator-less filter pack (Pureform style) which is a high capacity rated at 2000 CFM. The filter pack is bonded to the frame using a fire-retardant urethane (IU) or a polyurethane foam (IL). (SU) is a urethane that has been scan tested to 99.99% on 0.30 micrometers. A variety of gaskets are also available including neoprene, silicone sponge, woven glass and gel Seal. Available with or without aluminized expanded metal or stainless steel faceguards in 1100 CFM or 2000 CFM.

Typical Performance Data

Model Number	Actual Dimensions	C.F.M. Rated Flow @ 1" WG	Model Number	Actual Dimensions	C.F.M. Rated Flow @ 1" WG
AX800	8 x 8 x 5.875	55	AX302	30 x 30 x 5.875	1000
AX1201	12 x 12 x 5.875	145	AX303	30 x 36 x 5.875	1200
AX500	12 x 24 x 11.50	500	AX304	30 x 48 x 5.875	1675
AX241	24 x 24 x 5.875	625	AX305	30 x 60 x 5.875	2100
AX501	24 x 24 x 11.50	1100	AX306	30 x 72 x 5.875	2475
AX242	24 x 30 x 5.875	800	AX351	36 x 24 x 5.875	950
AX502	24 x 30 x 11.50	1375	AX352	36 x 30 x 5.875	1200
AX243	24 x 36 x 5.875	950	AX353	36 x 36 x 5.875	1500
AX244	24 x 48 x 5.875	1300	AX354	36 x 48 x 5.875	2000
AX245	24 x 60 x 5.875	1625	AX355	36 x 60 x 5.875	2500
AX246	24 x 72 x 5.875	1950	AX356	36 x 72 x 5.875	3075
AX301	30 x 24 x 5.875	800			

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Final maximum recommended resistance is 2.0" w.g.

Maximum operating temperature 160 degrees fahrenheit continuous.
Product color may vary. Manufactured by Clean & Science, Chicago, IL.

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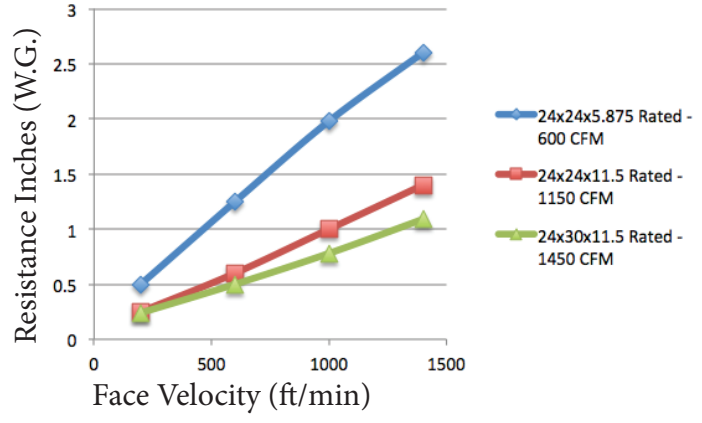
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Micro Air HEPA

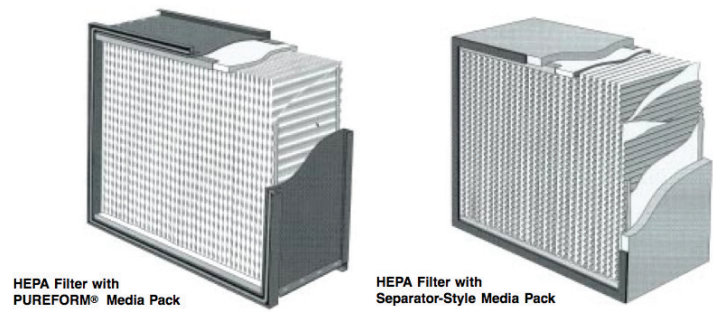
99.97% and 99.99% Efficient Filters



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- More usable media area for longer service life because of higher dust-holding capacity.
- Reduced cost of ownership because of longer service life.
- Can handle some harsh environments which may attack aluminum separators.
- Media is 28 mils thick, which is significantly thicker than conventional 15 mil media used in Separator-Style HEPA Filters.



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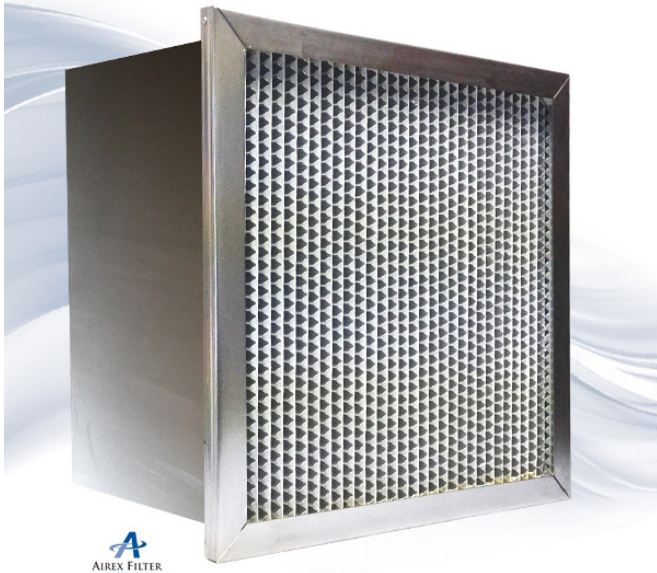
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Airex Filter Corporation

Econocell Rigid Box

Medium & High Efficiency Air Filter

**AIREX FILTER**
CORPORATION

The Airex Econocell Rigid Box filter is fabricated using a 26 gauge galvanized steel frame with single or double solid galvanized steel headers for maximum strength. The pleated media filter packs are made of water-resistant, all glass microfiber or polyester media bonded to the frame with a cured liquid sealant. Hemmed and corrugated aluminum separators maintain even pleat spacing and prevent the pleats from collapsing. Available in 60-65% MERV 11, 80-85% MERV 13, and 90-95% MERV 15 efficiencies. The standard Econocell is designed to operate in temperatures up to 200 degrees F intermittent, 150 degrees F continuous. A high temperature version of the Econocell is also available designed to operate in temperatures from 750 up to 900 degrees F continuous. Faceguards are also available for the high velocity turbine designed filters. Easy installation into existing filter housing side access or front loading systems. This filter is rated UL Class 1 for low fire insurance rating.

Typical Performance Data

Econocell		12" Deep Econocell			6" Deep Econocell		
Filter Media	Nominal Size	Airflow Capacity (CFM)	Initial Resistance	Media Area (FT ²)	Airflow Capacity (CFM)	Initial Resistance	Media Area (FT ²)
60-65% Efficiency	24x24	2000	.40	18	1000	.20	13
	12x24	1000	.40	12	500	.20	9
	20x20	1400	.40	14	700	.20	10
	20x24	1500	.40	16	750	.20	12
	20x25	1700	.40	17	850	.20	12
	16x20	1100	.40	12	550	.20	9
	16x25	1400	.40	15	700	.20	11
80-85% Efficiency	24x24	2000	.55	18	1000	.30	13
	12x24	1000	.55	12	500	.30	9
	20x20	1400	.55	14	700	.30	10
	20x24	1500	.55	16	750	.30	12
	20x25	1700	.55	17	850	.30	12
	16x20	1100	.55	12	550	.30	9
	16x25	1400	.55	15	700	.30	11
90-95% Efficiency	24x24	2000	.60	18	1000	.50	13
	12x24	1000	.60	12	500	.50	9
	20x20	1400	.60	14	700	.50	10
	20x24	1500	.60	16	750	.50	12
	20x25	1700	.60	17	850	.50	12
	16x20	1100	.60	12	550	.50	9
	16x25	1400	.60	15	700	.50	11

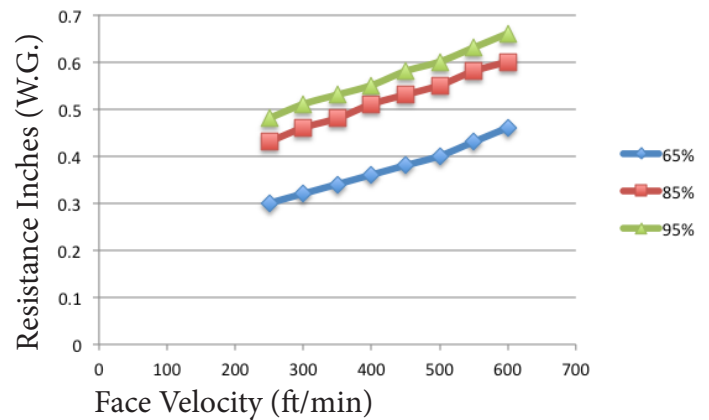


Final maximum recommended resistance is 1.50" W.G. System design may dictate lower change out point. Temperature range is 200 degrees fahrenheit intermittent and 150 degrees fahrenheit continuous. All listed efficiencies are averages according to ASHRAE standard 52-76.

Airex Filter Corporation

Econocell Rigid Box

Medium & High Efficiency Air Filter

AIREX FILTER
CORPORATION

- Rugged 24 gauge corrosion resistant steel casing minimizes damage during shipping and handling
- Corrugated aluminum separators stabilize the moisture-resistant media pack and prevent damage in applications downstream of the supply fan
- MERV 11 to 14

- **Frame:** 24 ga. corrosion-resistant steel. Other frame materials are also available.
- **Media:** Moisture-resistant micro-fine fiberglass paper, sealed in the frame with Class 1 urethane.
- **Separators:** Hemmed corrugated aluminum.
- **Headers:** 13/16 " wide corrosion-resistant steel
- **Operating Limits:** 100% RH and 250 degrees
- **Actual Face:** Nominal size less 5/8"
- **Actual Depth:** 5-7/8" or 11-1/2"



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Airex Filter Corporation
Econocell-II
 Extended Surface Minipleat Filter



The Airex Econocell-II Cell filter is fabricated using a rugged moisture resistant bonded frame with diagonal supports for maximum strength. The pleated media filter packs are made of water-laid micro fiber fiberglass or polyester media with a water-repellent binder which is bonded to the frame with a cured liquid sealant. Aluminum separators have been eliminated and replaced with the dimple pleat for maximum filtering material in an 4 inch depth. This design allow us to put additional square footage of material in each filter for the lowest pressure drop possible in this type of filter. The 4 inch depth allows this filter to be used in many existing filter housings. The result is a better flow rate, less shipping costs, lighter weight easy to handle, and less disposal costs. Available in 60-65% MERV 11, 80-85% MERV 13, and 90-95% MERV 15 efficiencies. The standard 4 inch Econocell-II is designed to operate in temperatures up to 200 degrees F intermittent, 150 degrees F continuous. A higher temperature version of the Econocell-II is available in a metal frame designed to operate in temperatures up to 750 degrees F continuous. This filter is rated UL 900 Class 2 for low fire insurance rating.

Typical Performance Data

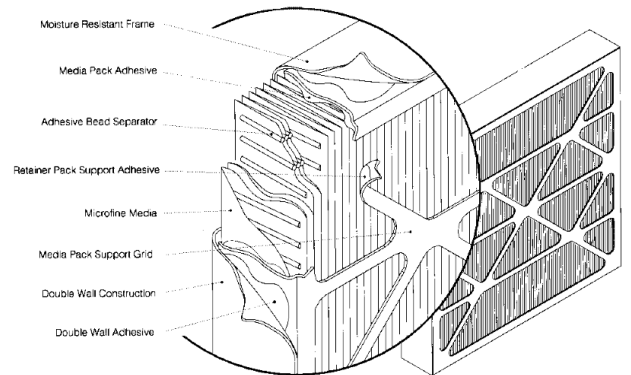
Econocell-II		Capacities and Dimensions											
Filter Media	Nominal Size	125 fpm		250 fpm		375 fpm		500 fpm		625 fpm		Media Area	Weight Each
		CFM	PD	CFM	PD	CFM	PD	CFM	PD	CFM	PD	(sq. ft.)	(lbs.)
90-95% Efficiency	24x24x4	1000	.26	1000	.26	1500	.42	2000	.68	2500	.95	120	6.5
	24x12x4	500	.26	500	.26	750	.42	1000	.68	1250	.95	60	3.5
80-85% Efficiency	24x24x4	1000	.21	1000	.21	1500	.36	2000	.58	2500	.80	120	6.5
	24x12x4	500	.21	500	.21	750	.36	1000	.58	1250	.80	60	3.5
60-65% Efficiency	24x24x4	1000	.13	1000	.13	1500	.25	2000	.40	2500	.58	120	6.5
	24x12x4	500	.13	500	.13	750	.25	1000	.40	1250	.58	60	3.5

Econocell-II		Other Standard Size Econocell-II Filters				
Filter Size	Nominal (CFM)	60-65% Pressure Drop	80-85% Pressure Drop	90-95% Pressure Drop	Media Area (sq. ft.)	Weight Each (sq. ft.)
24x24x4	24x24x4	.40	.58	.68	84	4.0
24x12x4	24x12x4	.40	.58	.68	66	3.5
24x24x4	24x24x4	.40	.58	.68	105	5.5
24x12x4	24x12x4	.40	.58	.68	93	5.0
24x24x4	24x24x4	.40	.58	.68	105	6.0
24x12x4	24x12x4	.40	.58	.68	84	4.0



Final maximum recommended resistance is 1.50" W.G. System design may dictate lower change out point. Temperature range is 200 degrees fahrenheit intermittent and 150 degrees fahrenheit continuous.

Airex Filter Corporation
Econocell-II
Extended Surface Minipleat Filter



Surepleat Side Access Housings

Use a Surepleat Side Access Housing as a convenient and space saving method of installing Econocell-II filters. SP2/4 housings have two gasketed extruded aluminum tracks to accept 2" pleated prefilters and 4" Econocell-II final filters.



The adjacent photo shows a Surepleat Side Access Housing with 2" Pre Pleat 40 LPD pleated prefilters and PrecisionCell II final filters

- Available in nominal 65%, 85%, and 95% ASHRAE efficiencies
- Space-saving 4" thickness for installation flexibility
- Rugged moisture-resistant bonded frame and unitized pack for rigidity
- Cartridge design is ideal for VAV systems or turbulent flow conditions
- Lightweight and easy to store and handle



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Airex Filter Corporation

Econocell-II 4 Inch

Extended Surface Mini-pleat Filter

**AIREX FILTER**
CORPORATION

Airex Econocell-II 4" Mini Pleat Filter – MERV 14 & 15

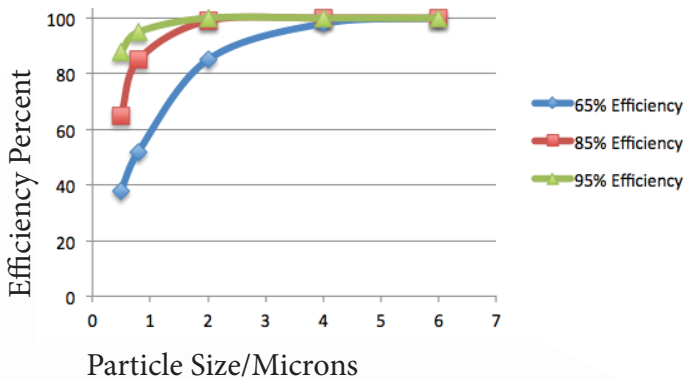
Airex Econocell-II 4" Mini Pleat Filters are an economical choice for extended surface, high-efficiency air filtration requirements. Each filter utilizes a technologically advanced media that incorporates a dual-layer, gradient-density fiber structure that results in exceptionally low airflow resistance, at the highest efficiency levels – reducing both energy and operating costs.

These high-performance filters will improve indoor air quality and remove contaminants from HVAC environments. The Econocell-II Mini Pleat Filter is engineered to protect both expensive HVAC equipment and workers from dirty air and its damaging effects. The user-friendly filter is also fully incinerable, lightweight, durable and easy to install.

The self-supported 4" Mini-Pleated Filter utilizes a geometrically formed pleat pack. Each pleat pack is further strengthened with rigid, mechanical pleat separators. The pack is then sealed into a heavy-duty, moisture-resistant kraft board or plastic frame. Each stage of the assembly process is quality controlled to ensure the filter's performance, consistency and durability. These design and construction features combine to produce the best all-around performance in airflow, efficiency and dust-loading uniformity. The Airex Econocell-II 4" Mini-Pleated Filters are available in MERV 14 and 15.

Looking for LEED certification? The Econocell-II Mini Pleat Filters are the perfect solution if you want to specify or upgrade your current filtration to meet LEED certification requirements. With these high performance filters, your facility can gain points toward LEED certification – without incurring large operating cost increases. The 4" Econocell-II Mini Pleat Filter meets efficiency standards outlined in the LEED program for new construction and existing buildings.

- Available in nominal 65%, 85%, and 95% ASHRAE efficiencies.
- Space-saving 4" thickness for installation flexibility.
- Cartridge design is ideal for VAV systems or turbulent flow conditions.
- Lightweight and easy to store and handle.



Surepleat Side Access Housings

Use a Surepleat Side Access Housing as a convenient and space saving method of installing Econocell-II filters. SP2/4 housings have two gasketed extruded aluminum tracks to accept 2" pleated pre-filters and 4" Econocell-II final filters.



The photo shows a Surepleat Side Access Housing with 2" Airex MERV 8 pleated pre-filters and the Airex Econocell-II Mini Pleat Filter.



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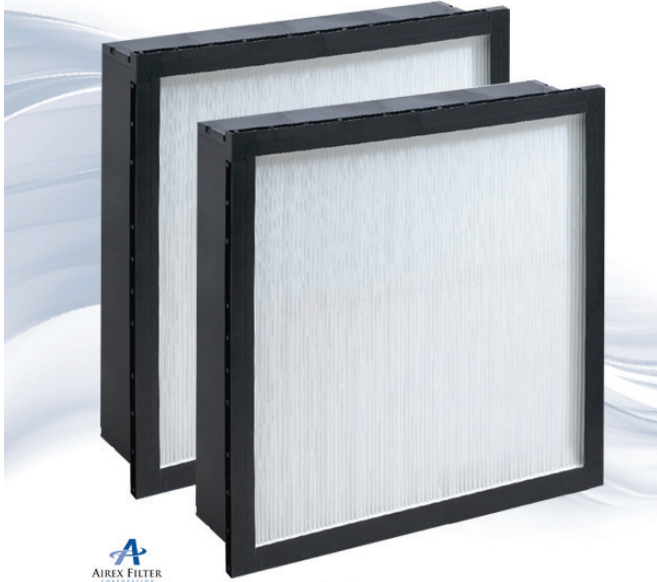
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Airex Filter Corporation

6" Econocell M-Pak

Extended Surface Minipleat Filter

**AIREX FILTER**
CORPORATION

Designed to Improve Indoor Air Quality. 6" Econocell M-Pak filters with antimicrobial (MERV 14 and 11 models) are designed specifically to improve Indoor Air Quality (IAQ). Air filters are designed to trap and concentrate particulate air contaminants including viable fungal and bacterial spores. The presence of antimicrobial in the filter media is intended to preserve the integrity of the media throughout the useful life of the filter. Antimicrobial preservatives are not meant to increase the efficiency of the filter, or to kill microorganisms "on the fly."

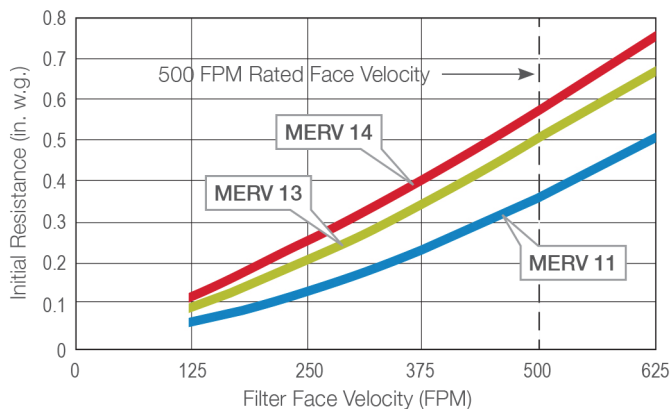
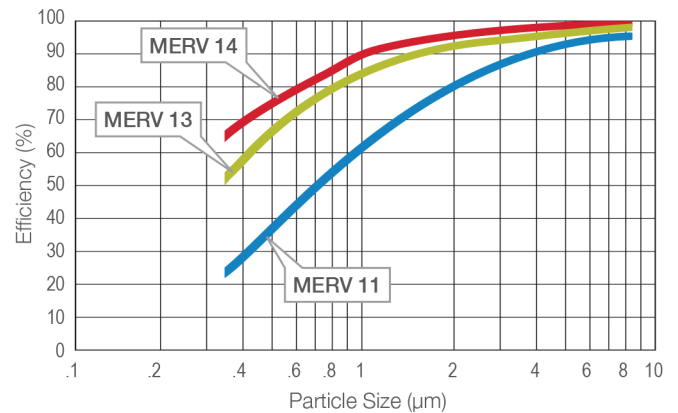
Cost-Saving Design. The smaller footprint of the 6" Econocell M-Pak filter means less space is required for storage. 6" Econocell M-Pak filters weigh approximately 8 pounds, less than half the weight of 12"- deep filters with metal cell sides. That means reduced maintenance costs and time savings, as the 6" Econocell M-Pak filter is easier to handle. Additionally, as a result of its reduced depth, the 6" Econocell M-Pak filter will be packed two to a carton lowering freight costs and reducing the amount of space required for storage. The 6" Econocell M-Pak filter also halves disposal volume and reduces disposal costs. Best of all, there is no performance penalty accompanying these savings. The 6" Econocell M-Pak filter meets, or exceeds, the performance of the 12"-deep filters it replaces.

Construction. The header and cell sides of the 6" Econocell M-Pak filter are constructed of high impact polystyrene. The design, which encloses a fixed media pack, creates a rugged filter that resists damage during shipping, handling, and operation. All components of the 6" Econocell M-Pak filter are fully incinerable. **The 6" Econocell M-Pak media pack is constructed with wet-laid fiberglass that is moisture resistant. The 6" Econocell M-Pak filter can withstand exposure to free moisture in the atmosphere, making it ideal for installation in applications where moisture is an issue.**

Specifications:

Maximum Operating Temperature: 176°F/80°C**Media:** High efficiency, dual-density, moisture-resistant microglass**Frame:** High impact polystyrene (HIPS)**Separators:** Hot-melt glue bead**Media Pack Sealant:** Urethane**Gaskets:** Available on request

Typical Performance Data

Initial Resistance vs. Filter Face Velocity**Composite Minimum Efficiency Curve**

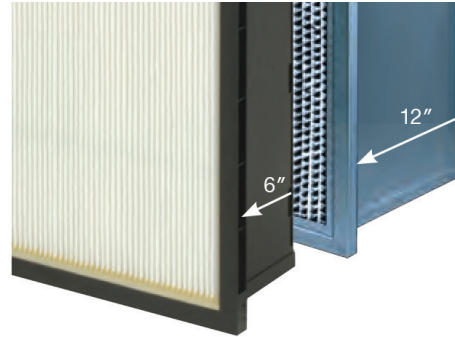
Tested in accordance with ASHRAE Standard 52.2.



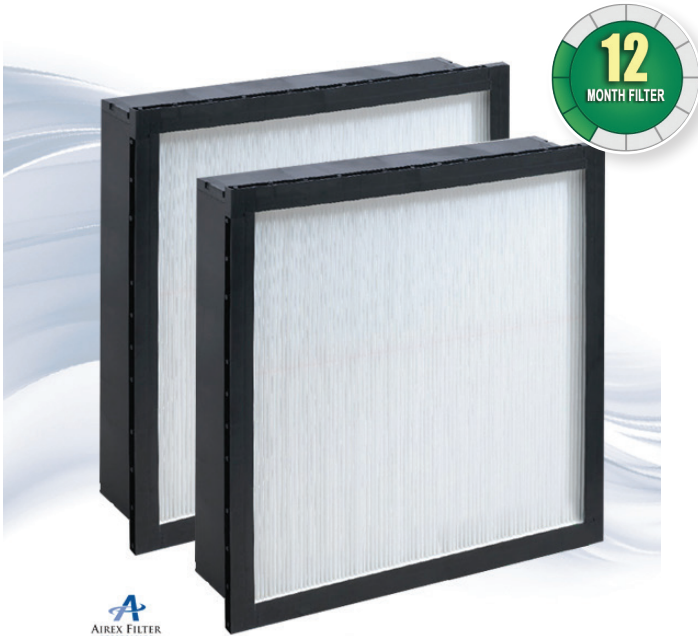
Airex Filter Corporation

6" Econocell M-Pak

Extended Surface Minipleat Filter

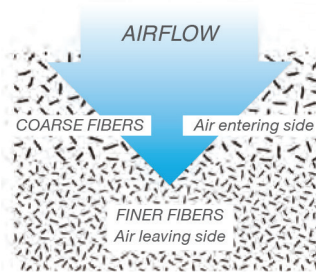
**AIREX FILTER**
CORPORATION

The Econocell M-Pak has the same media area and half the weight of a standard 12"-Deep cell filter



Features:

- MERV 14, MERV 13, and MERV 11 efficiencies
- 6"-deep (nominal) filter with the same media area and performance as a 12"-deep (nominal) filter
- "Midi" media pack design
- Space-saving design; reduces freight, storage, and handling costs
- Sturdy high impact polystyrene cell sides enclose a fixed media pack
- Fully incinerable
- MERV 14 and 11 models available with antimicrobial
- MERV 13 and higher meet LEED® Project Certification efficiency requirements



The media is manufactured with two layers of glass fibers: coarser fibers on the air entering side and finer fibers on the air leaving side. The media pack is bonded to the cell sides using urethane sealant. Our dual-density design allows dirt particles to be collected throughout the entire depth of the media pack, utilizing the full filtering potential of the media and maximizing dust holding. Maximizing dust holding capacity extends the life of the filter and minimizes operating costs.



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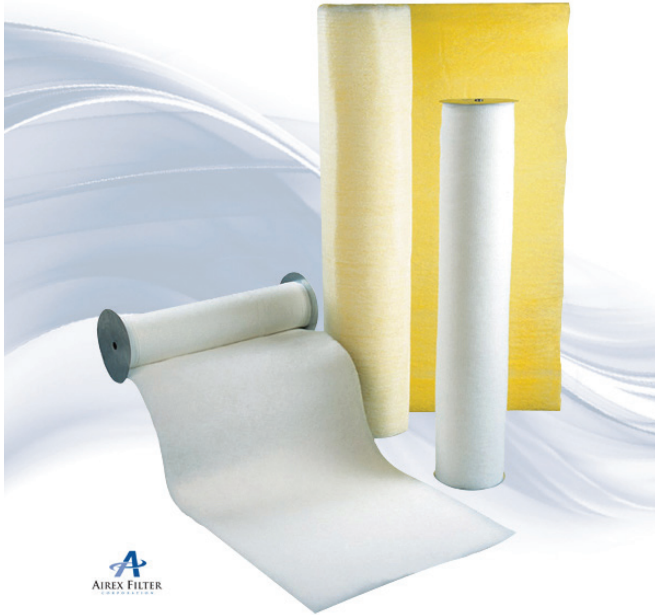
Airex Filter Corporation

Automatic Roll Filters

For Industrial & Commercial Applications



AIREX FILTER
CORPORATION

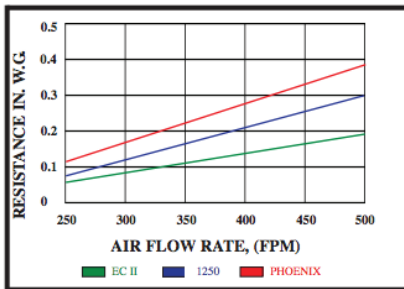


Airex automatic roll filters are designed for use in primary roll filter machines. These machines are self renewing, offering a new and clean section of air filter media either manually or automatically. The auto roll comes wound on spools or cores ready for installation. Each auto roll contains 65 linear feet of filtering media. There are several different types of media available including: Scrim-back spun glass, Skin-back spun glass, economy spun glass, polyester and treated polyester. The Airex auto roll can be used to replace any existing auto roll without modification or adapters.

Airex Filter offers a complete line of roll filters for automatic roll machines. Automatic Roll Filters are designed to replace the original equipment filter with no modification. Our Automatic Roll Filters are available in different grades of fiberglass and polyester media in most standard widths.

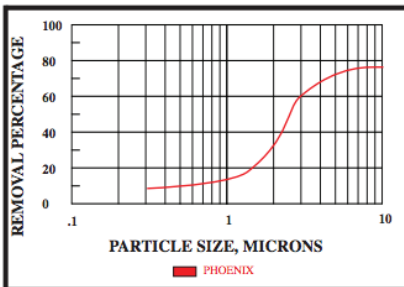
STANDARD PRESSURE DROP

Test Filter Size 24" x 24" Nominal



MINIMUM PARTICLE SIZE EFFICIENCY

Test Filter Size 24" x 24" Nominal



American Air Roll-O-Matic Kemnard Herrman- Nelson = 8" end plates Electro-Air		Roll Width	*Model	Farr Automatic Manual		Roll Width	*Model
		20-1/4" 22-1/4" 24-3/4" 31-7/8" 32-3/4" 38-1/2" 39-7/8" 44-3/4" 56-3/4" 68-7/8"	21AA 22AA 25AA 32AA 03AA 39AA 40AA 04AA 05AA 06AA			8-3/4" 14-3/4" 20-3/4" 26-3/4" 32-3/4" 44-3/4" 50-3/4" 56-3/4" 68-3/4"	09FA 15FA 21FA 27FA 03FA 39FA 04FA 51FA 05FA 05FA

Cambridge Auto Roll		Roll Width	*Model	Continental Conomanual Cosomatic Commercial Full-Flo Mine Safety Appl. (MSA)		Roll Width	*Model
		23-3/4" 32-3/4" 44-3/4" 56-3/4" 65-3/4" 69"	02CA 03CA 04CA 05CA 06CA 09CA			21-7/8" 31-7/8" 43-7/8" 55-7/8" 67-7/8"	02CO 03CO 04CO 05CO 06CO

Trane Carrier		Roll Width	*Model	BLC		Roll Width	*Model
		19-3/8" 21-3/8" 25-3/8" 31-3/8" 35-3/8" 38-3/8" 45-3/8" 50-3/8" 54-3/8" 59-3/8" 61-3/8" 63-3/8"	19TR 21TR 25TR 31TR 35TR 38TR 45TR 50TR 54TR 59TR 61TR 63TR			34-5/8" 46-5/8" 58-5/8" 70-5/8"	35BLC 47BLC 59BLC 71BLC

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For more information, please visit our informational website

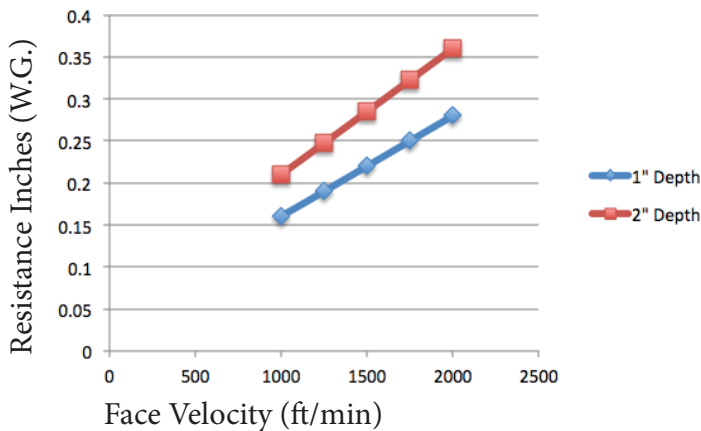
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Airex Filter Corporation

EAF Electrostatic

Heavy Duty Self-Charging Air Filter

**AIREX FILTER**
CORPORATIONexample part # **EAF25252****EAF-25-25-2**

Filter Series (Electrostatic EAF)	Filter Width (25" Width)	Filter Height (25" Height)	Filter Depth (2" Depth)
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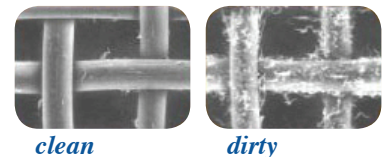


The Airex EAF Self-Charging Electrostatic Air Filters combine high efficiency, low pressure drop, maximum resistance and large dust holding capacity in an easy to care for permanent filter. EAF filters are available in a 1 inch or 2 inch heavy-duty, aircraft type, coated aluminum frame, available in all standard sizes, as well as a variety of custom sizes. As air flows through the unique design of the five stage media, electrostatic action occurs, holding and containing particles of dirt in our specially designed storage chamber where they are trapped between the pre-filters on the upstream side and the final filters on the downstream side. EAF filters are lightweight, durable, washable, and easy to clean. Simply flush with water, shake dry, and place back in service. There is no foam or fillers used that could break down and shorten the life of the filter. This high quality filter will last ten years and beyond in most applications when cleaned properly.

How Our Electrostatic Furnace Filters Work

Electrostatic Air Filters clean the air by using static electricity, a safe, naturally occurring phenomenon. An electrostatic charge is generated by air flowing through a maze of static prone fibers. Airborne particles are attracted and held by the static charge until released by washing. All Airex Electrostatic Air Filters contain an EPA registered anti-microbial material to inhibit mold and bacteria growth on the air filter surface.

The air you breathe contains many irritants such as pollen, dust, bacteria, mold spores, pet dander and smoke. Most of these particles are smaller than one micron. Our Electrostatic Air Filters are an effective and efficient way to reduce the number of these particles in your air. This illustration shows the typical dust loading pattern of the electrostatic fibers. This unique characteristic improves air flow while providing maximum filtration.



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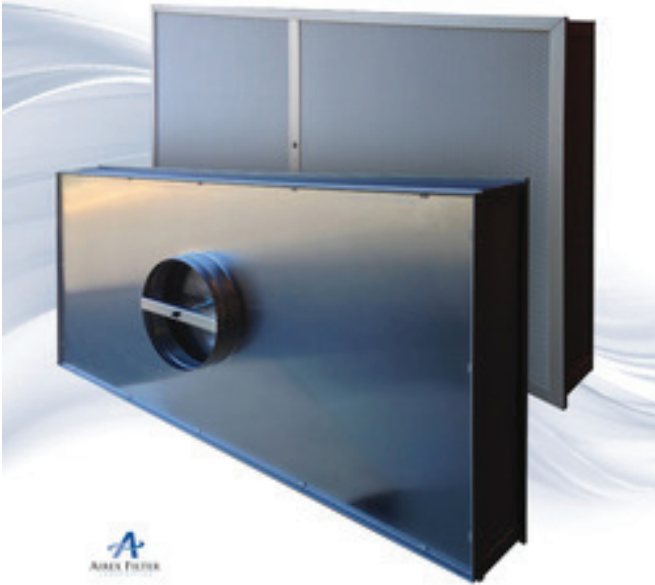
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Airex Filter Corporation

Terminal HEPA

Filter Modules



The Airex Terminal Filter Modules provide ducted air supply or mixed-flow in cleanroom applications from class 1 to class 100,000. Available in 99.99%, 99.9995%, and 99.99999% efficiencies, each module is tested in accordance with IEST-RPCC-034.1 by dual laser spectrometer using a polystyrene latex (PSL) test challenge. The spectrometer samples simultaneously both upstream and downstream of the filter and calculates its efficiency by particle size in seven size ranges from .07um to 3.0 um. In addition to the test for efficiency and penetration, each filter element is tested for pinhole leaks in the media and the edge sealant by challenging the filter with the test aerosol and scanning the face and edge with a laser particle counter. Airex Terminal Filter Modules use dimple pleat technology to achieve the lowest possible resistance and reduce the possibility of offgassing. The filter terminal is available with a 2 inch pack which offers lower initial cost, weight, and depth; or with a four inch pack which offers significantly lower operation costs for a given efficiency. A painted expanded metal grille protects the filter pack from damage while in use. Each module has a bar code applied that provides complete documentation and testing history of every filter.

Terminal Hood	TH- (All model numbers use this prefix)	
Pack Depth	52-With 2-inch Dimplepleat® filter element 54 - With 4 inch Dimplepleat® filter element	
Size Code	See charts or review instructions above.	
Filter Media	007 - 99.99% min. efficiency on 0.30 micrometers particle size 009 - 99.9995% min. efficiency on 0.12 micrometers particle size 012 - 99.99999% min. efficiency on 0.12 micrometers particle size	
Sealant	SU - Solid urethane and scan tested	
Grille or Diffuser	F - Painted (white) expanded metal S - Circular perforated Type 304 S/S	A - Circular perforated anodized aluminum 0 - NONE
Inlet	08 - 8 inch diameter 12 - 12 inch diameter	10 - 10 inch diameter 14 - 14 inch diameter
Damper	A - Adjustable distribution plate B - Butterfly damper with fixed distribution plate (Swaged inlet only) F - Fixed distribution plate	
Insulation	1 - top only 2 - Top and sides 0 - None	
Gasket	B - 1/4" thick black polyethylene butyl W - 1/4" thick white polyethylene butyl	0 - None X - Special as specified by customer
Skirt	3 - 3/4" knife edge 0 - None	
Light Fixture or sprinkler	L - Light fixture S - Pan for sprinkler penetration	0 - None
Lamps for Light Fixture	2 - two lamps 3 - Three lamps 4 - Four lamps 0 - None	
Voltage for Light Fixture	1 - 120 volt 2 - 277 volt 0 - None	

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TH Modules for Gel Grid Systems Resistance and CFM:

Particle Size Efficiency %	Overall Actual Size LxW (inches)	Size Designator for Pack Depth			2" Pack Depth			3" Pack Depth			4" Pack Depth		
		2 in.	3 in.	4 in.	CFM at Face Velocity, fpm			CFM at Face Velocity, fpm			CFM at Face Velocity, fpm		
99.99 on 0.30 Micrometers	23x23	KGG	KGG	KGG	210	270	300	210	270	300	210	270	300
	23x35	KGP	KGP	KGP	335	430	480	335	430	480	335	430	480
	23x41	KGH	KGH	KGH	400	515	570	400	515	570	400	515	570
	23X47	KGQ	KGQ	KGQ	460	595	660	460	595	660	460	595	660
Initial resistance, " w.g.					.42	.52	.57	.35	.45	.50	.28	.37	.40
99.9995 on 0.12 Micrometers	23x23	KGG	KGG	KGG	210	270	300	460	595	660	210	270	300
	23x35	KGP	KGP	KGP	335	430	480	335	430	480	335	430	480
	23x41	KGH	KGH	KGH	400	515	570	400	515	570	400	515	570
	23X47	KGQ	KGQ	KGQ	460	595	660	460	595	660	460	595	660
Initial resistance, " w.g.					.48	.61	.68	.40	.51	.57	.32	.40	.45
99.99999 on 0.12 Micrometers	23x23	KGG	KGG	KGG	210	270	300	460	595	660	210	270	300
	23x35	KGP	KGP	KGP	335	430	480	335	430	480	335	430	480
	23x41	KGH	KGH	KGH	400	515	570	400	515	570	400	515	570
	23X47	KGQ	KGQ	KGQ	460	595	660	460	595	660	460	595	660
Initial resistance, " w.g.					.58	N/A	N/A	.48	.41	.68	.42	.53	.60

TH Modules for Gasketed Tee Grid Systems Resistance and CFM:

Particle Size Efficiency %	Overall Actual Size LxW (inches)	Size Designator for Pack Depth			2" Pack Depth			3" Pack Depth			4" Pack Depth		
		2 in.	3 in.	4 in.	CFM at Face Velocity, fpm			CFM at Face Velocity, fpm			CFM at Face Velocity, fpm		
99.99 on 0.30 Micrometers	23-5/8 x 23-5/8	E2786	E0291	E0291	220	285	315	220	285	315	220	285	315
	23-5/8 x 35-5/8	E-2886	E0391	E0391	345	445	495	345	445	495	345	445	495
	23-5/8 x 41-5/8	E1296	E1396	E1396	410	525	585	410	525	585	410	525	585
	23-5/8 x 47-5/8	E2986	E0491	E0491	475	610	680	475	610	680	475	610	680
Initial resistance, " w.g.					.42	.52	.57	.35	.45	.50	.28	.37	.40
99.9995 on 0.12 Micrometers	23-5/8 x 23-5/8	E2786	E0291	E0291	220	285	315	220	285	315	220	285	315
	23-5/8 x 35-5/8	E-2886	E0391	E0391	345	445	495	345	445	495	345	445	495
	23-5/8 x 41-5/8	E1296	E1396	E1396	410	525	585	410	525	585	410	525	585
	23-5/8 x 47-5/8	E2986	E0491	E0491	475	610	680	475	610	680	475	610	680
Initial resistance, " w.g.					.48	.61	.68	.40	.51	.57	.32	.40	.45
99.99999 on 0.12 Micrometers	23-5/8 x 23-5/8	E2786	E0291	E0291	220	285	315	220	285	315	220	285	315
	23-5/8 x 35-5/8	E-2886	E0391	E0391	345	445	495	345	445	495	345	445	495
	23-5/8 x 41-5/8	E1296	E1396	E1396	410	525	585	410	525	585	410	525	585
	23-5/8 x 47-5/8	E2986	E0491	E0491	475	N/A	N/A	475	610	680	475	610	680
Initial resistance, " w.g.					.58	N/A	N/A	.48	.41	.68	.42	.53	.60

For more information, please visit our informational website

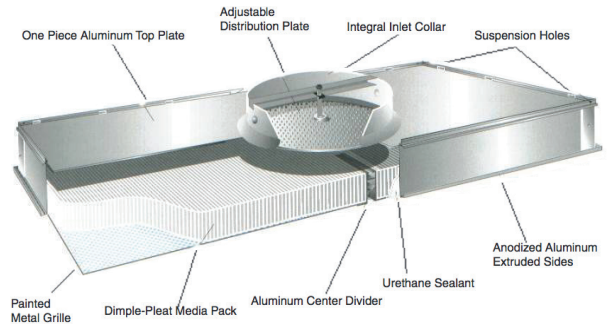
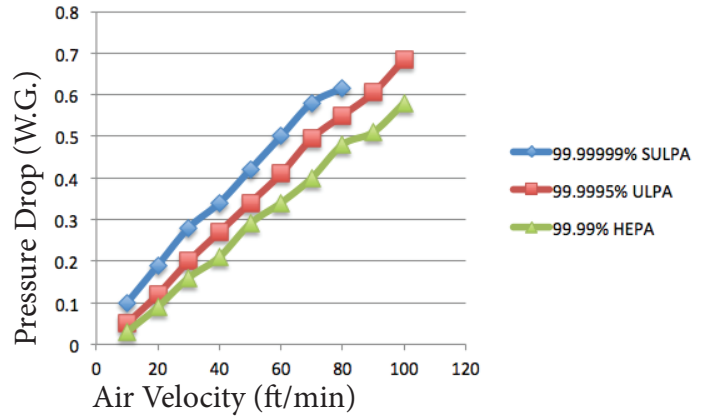
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Airex Filter Corporation

Terminal HEPA

Filter Modules



- Anodized extruded aluminum frame with one piece aluminum top/inlet collar
- Dimple Pleat® filter pack for a lightweight and low profile design
- State of the art testing
- UL 900 Class 1 Listed and Factory Mutual Approved



Underwriters Laboratories, Inc. (UL) is an agency that lists products they have tested against criteria deemed appropriate for public safety. The classification for HVAC air filters confirms that the filters will meet local and state requirements for most applications.

UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and Ventilating Systems, of Other Than Residence Type, NFPA No. 90A, and for Installation of Residence Type Warm Air Heating and Air Conditioning Systems, NFPA No. 90B.



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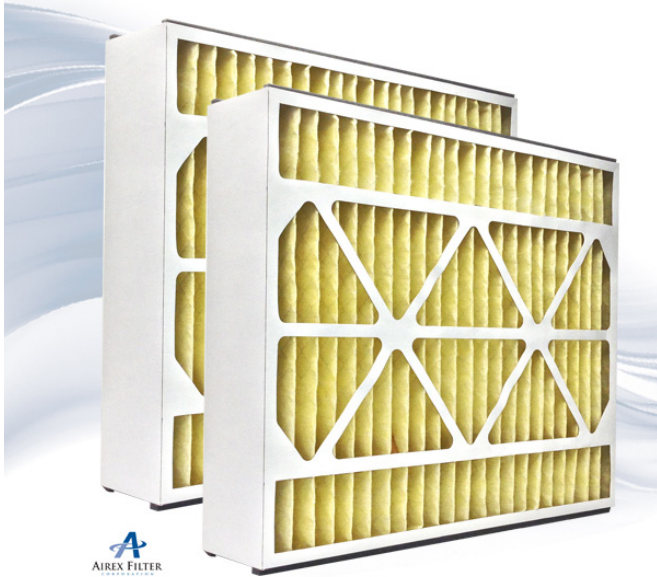
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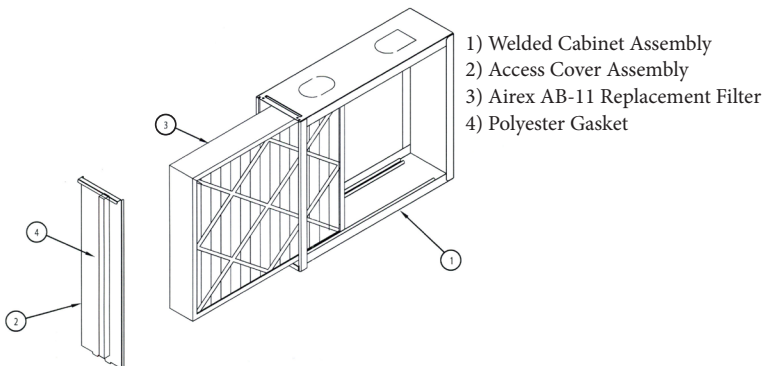
Airex Filter Corporation
AB-11 AIR BEAR
 Replacement Filter Cartridge



The Airex AB-11 Air Bear cartridge filters are designed for use with the Trion (Air Bear) air cleaner systems. Simply install the AB-11 in place of the Trion cartridge. No alterations or equipment modifications are required. The filter media is a 100% synthetic, electrostatically charged MERV 11 media, designed to attract and hold airborne contaminants. This results in a higher efficient filter, 80-85% @ 5 micron, without sacrificing airflow. Initial resistance of a 5" deep filter is just .16" w.g. @ 300 FPM. The enclosing frame of the AB-11 is constructed of a rigid, heavy duty moisture resistant beverage board. The support members with fingers are an integral part of the frame and are bonded to each pleat on both sides to insure pleat spacing and stability. The filter pack is bonded to the inside periphery of the frame, thus eliminating the possibility of air bypass. Gaskets have been added on all four sides top and bottom for a tight seal into any housing. The media support grid is a heavy expanded wire with an effective open area of not less than 93%. The wire grid is bonded to the filter media to eliminate the possibility of media oscillation and media pull away. UL Approved 217V as to flammability class 2 UL900.

Typical Performance Data

Filter Depth (inches)	Nominal Size (inches)	Actual Size (inches)	Capacities (CFM)		Resistance (inches W.G.)			Microns (particle size)	Efficiency (particle @ 300FPM)
			Med.	High	Med.	High	Final		
3"	16x25x3	15.8125x24.3125x3	300	500	.16	.25	1.0	5	94%
5"	16x25x5	15.875x24.75x4.375	300	500	.16	.25	1.0	5	94%
	20x25x5	19.625x24.125x4.75	300	500	.16	.25	1.0	5	94%



The Airex AB-11 Air Bear replacement cartridges are designed for use in the Trion Air Bear cleaner housings. Simply install in place of the Trion cartridge. No alterations of equipment are needed. We also carry replacement filters for the 600SG and 650 SG. One of the most popular filters used in homes across the country.

Register today for online ordering:

Shop our full line of commercial filtration products:

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- featuring unique volume discounts
- quick re-order from history
- various shipping and payment options

Final maximum recommended resistance is 1.0" w.g. MERV 11 filters are 95% efficient at 3-5 micron. Maximum operating temperature 180 degrees fahrenheit intermittent.

For more information, please visit our informational website

www.AirexFilter.com

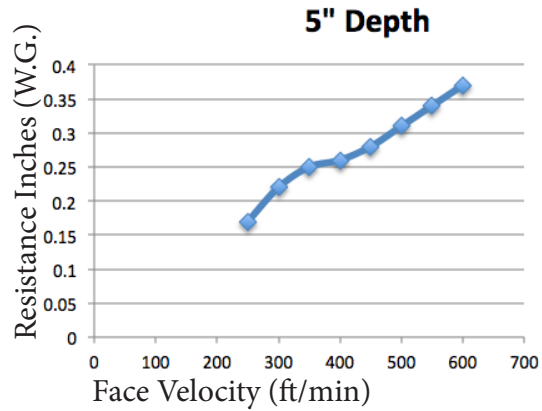
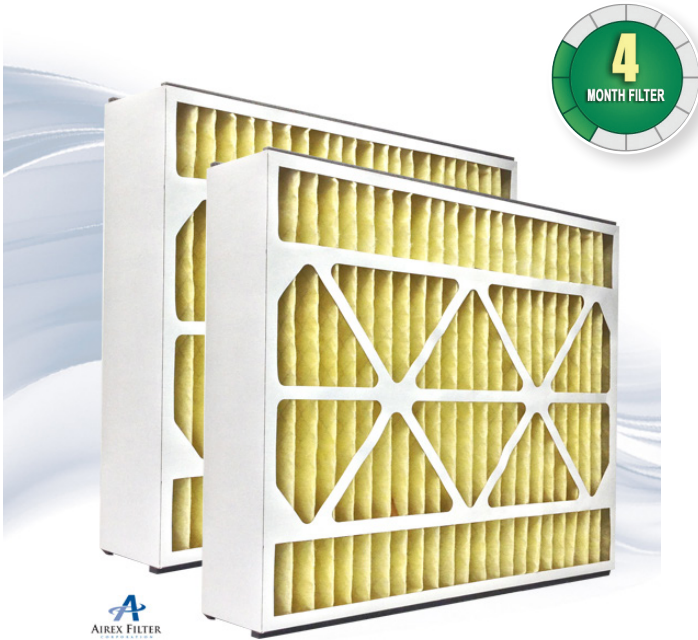


Airex Filter Corporation

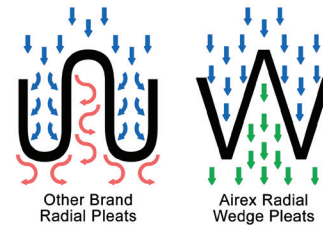
AB-11 AIR BEAR

Replacement Filter Cartridge

example part # **AB20255**
AB-20-25-5



Radial pleats produce turbulent airflow and uneven air distribution. Airex radial wedge pleats optimize air flow while reducing restriction.



- MERV 11 performance rating
- Earns LEED Points
- Reduces energy cost
- Extended filter life-cycle
- Conserves resources
- Improves indoor air quality
- Available in 3" and 4" depths
- Special sizes available upon request



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