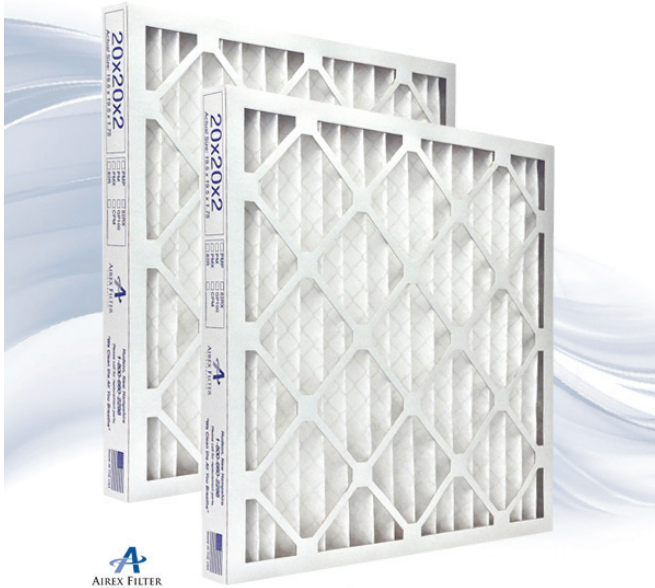


Airex Filter Corporation

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% hydrophobic 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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www.AirexFilter.com

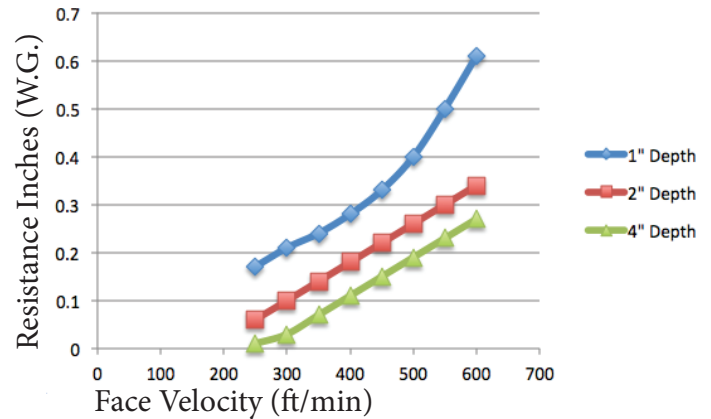
Airex Filter Corporation

PM-SC MERV 8

Standard Capacity Pleated Filter

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

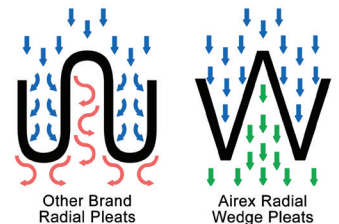
| | | | |
|-------------------------------------|-----------------------------|-------------------------------|----------------------------|
| Filter Series (PM MERV 8 Series) | Filter Width (25" Width) | Filter Height (25" Height) | Filter Depth (2" Depth) |
|-------------------------------------|-----------------------------|-------------------------------|----------------------------|



HYDROPHOBIC FILTER MEDIA

Moisture Repelling Media
Resistant to Microbial Growth

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



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

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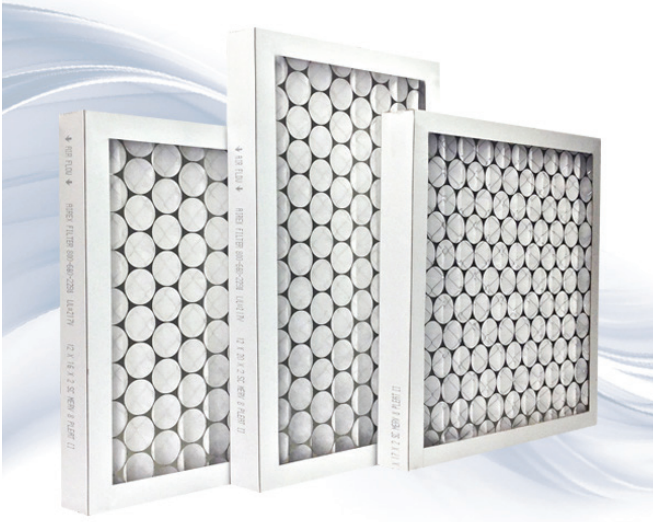
UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and 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.



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.

For more information, please visit our informational website

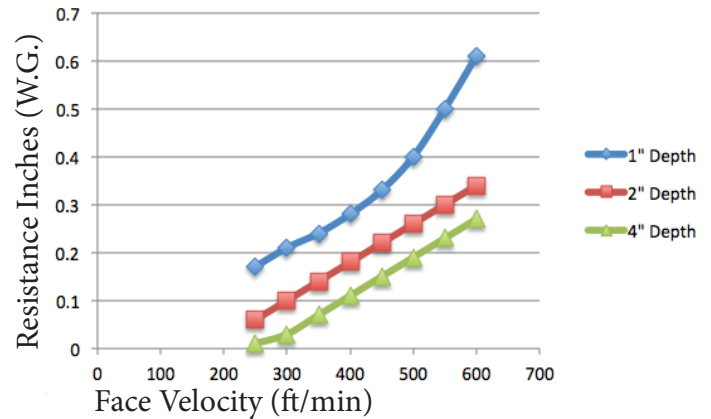
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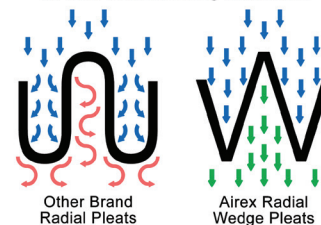
Airex Filter Corporation

PM-SC MERV 8

Odd Size Pleated Filter

example part # **2ODDPM149****2-ODD-PM-149**Filter Depth
(2" PM MERV 8)Odd Size
(2" Odd Size)Filter Series
(PM MERV 8)Filter Area
(Square Inches)

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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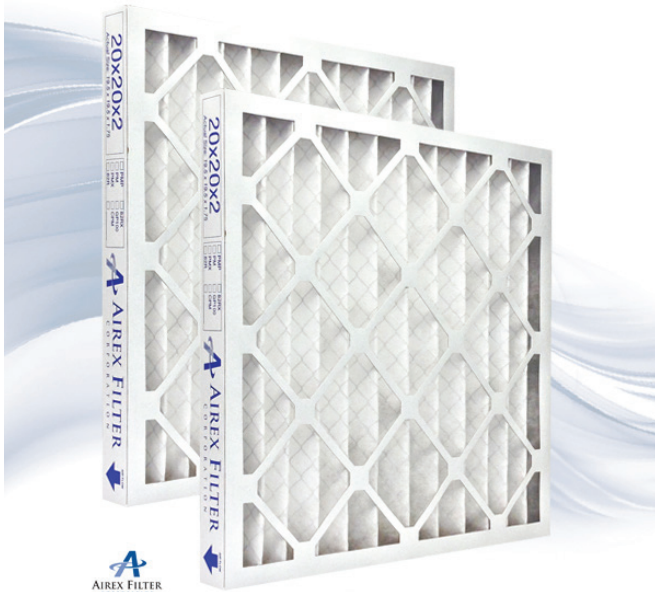
UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and 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.



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.

For more information, please visit our informational website

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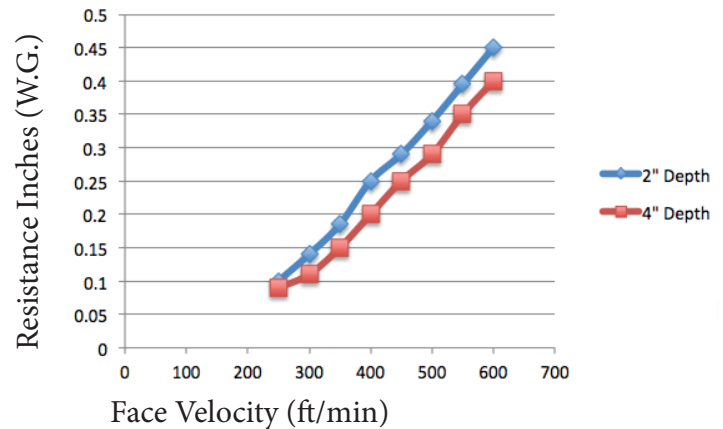
Airex Filter Corporation

PMP-EC MERV 8

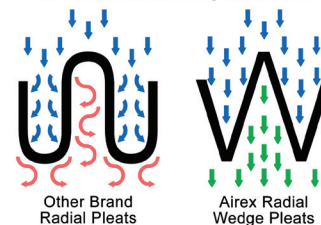
Extended Area Pleated Filter

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

| | | | |
|--------------------------------------|-----------------------------|-------------------------------|----------------------------|
| Filter Series (PMP MERV 8 Series) | Filter Width (25" Width) | Filter Height (25" Height) | Filter Depth (2" Depth) |
|--------------------------------------|-----------------------------|-------------------------------|----------------------------|



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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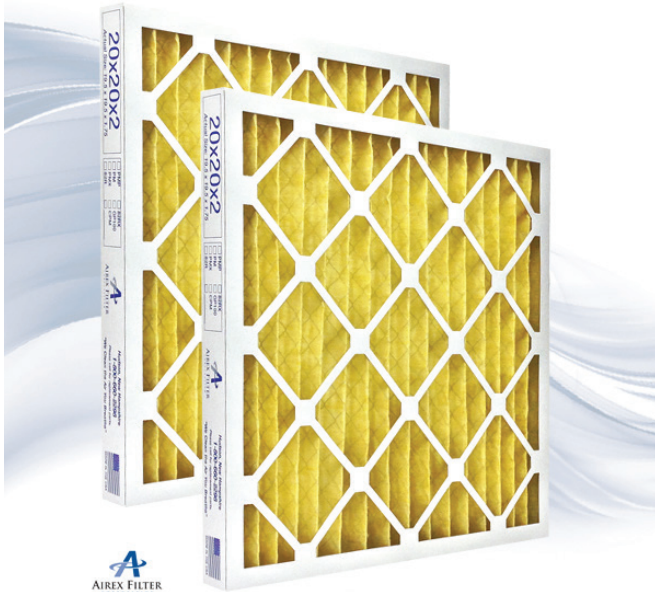
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Airex Filter Corporation

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.

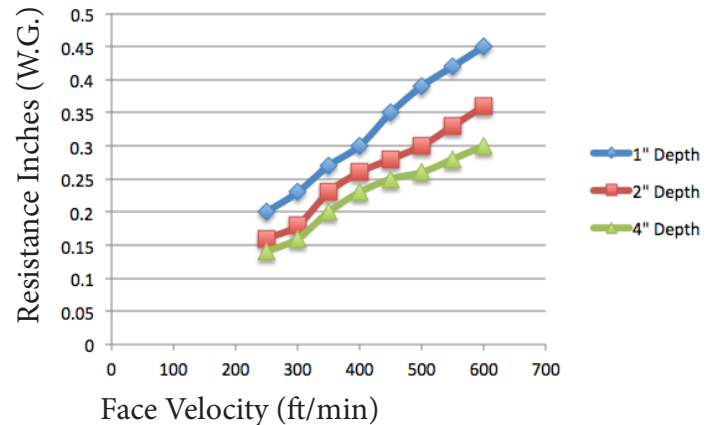
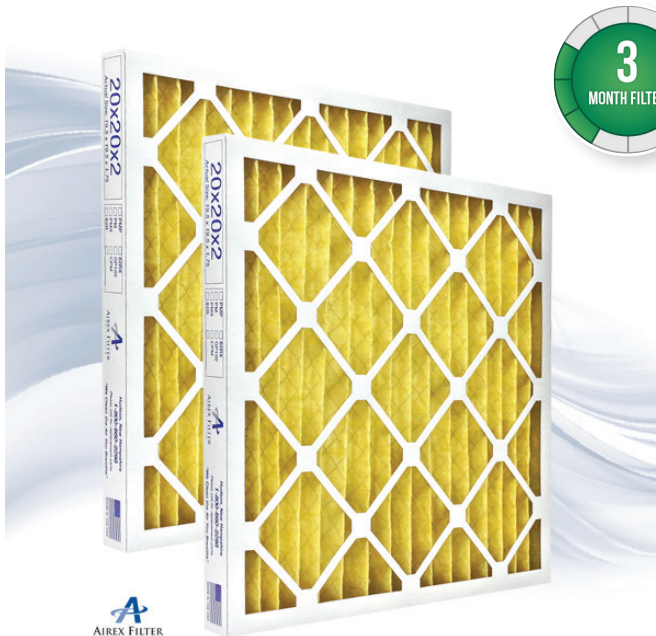
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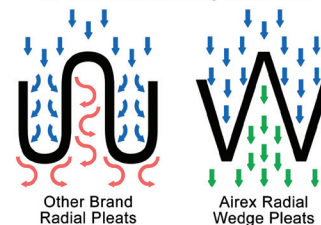
Airex Filter Corporation

82-R MERV 11

Standard Capacity Pleated Filter

example part # **82R25252****82R-25-25-2**Filter Series
(82R MERV 11 Series)Filter Width
(25" Width)Filter Height
(25" Height)Filter Depth
(2" Depth)

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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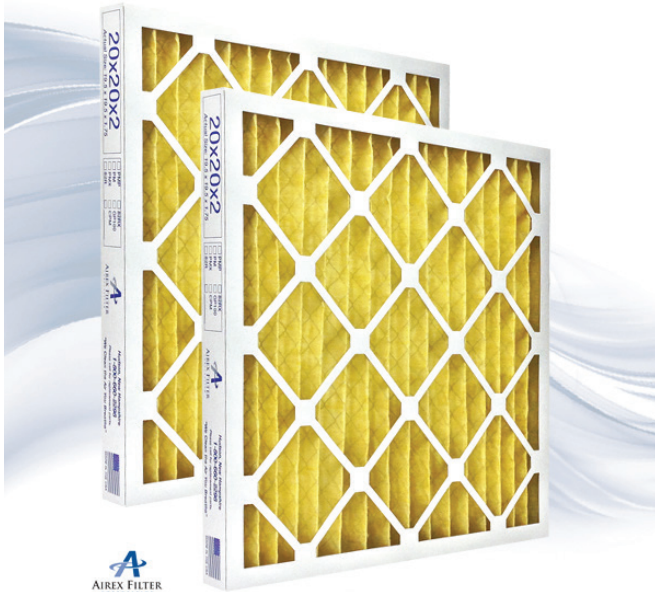
UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and 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.



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

www.AirexFilter.com

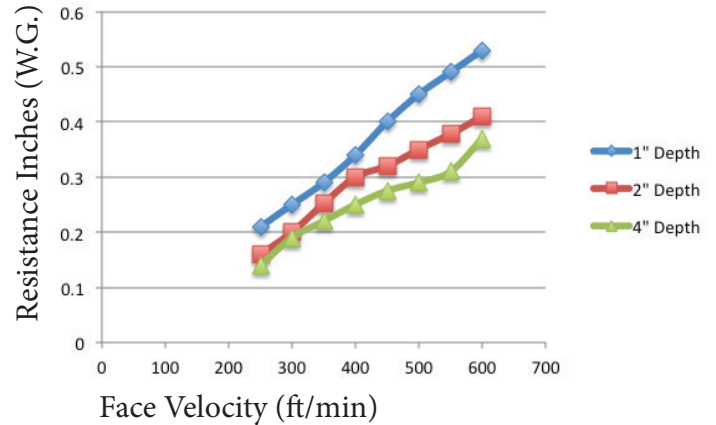
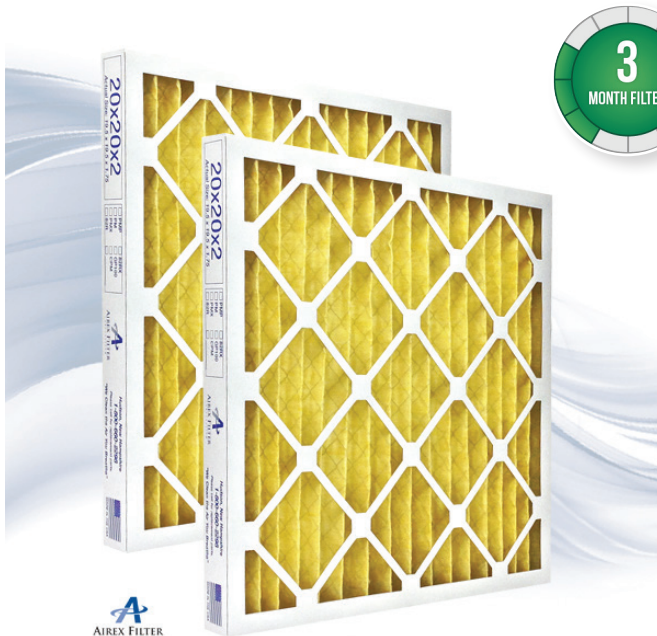
Airex Filter Corporation

82-RX MERV 11

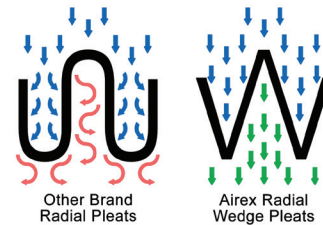
High Capacity Pleated Air Filter

example part # **82RX25252****82RX-25-25-2**

| | | | |
|---|-----------------------------|-------------------------------|----------------------------|
| Filter Series (82-RX MERV 11 Series) | Filter Width (25" Width) | Filter Height (25" Height) | Filter Depth (2" Depth) |
|---|-----------------------------|-------------------------------|----------------------------|



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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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.



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.

For more information, please visit our informational website

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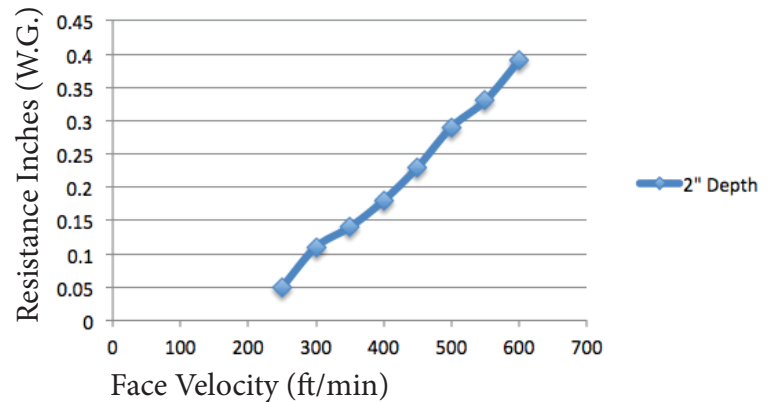
Airex Filter Corporation

PMX-HC MERV 8

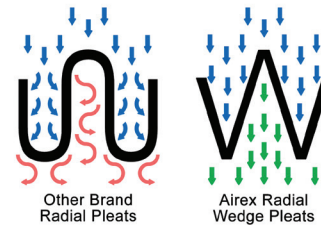
Extended Area Pleated Filter

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

| | | | |
|--------------------------------------|-----------------------------|-------------------------------|----------------------------|
| Filter Series (PMX MERV 8 Series) | Filter Width (25" Width) | Filter Height (25" Height) | Filter Depth (2" Depth) |
|--------------------------------------|-----------------------------|-------------------------------|----------------------------|



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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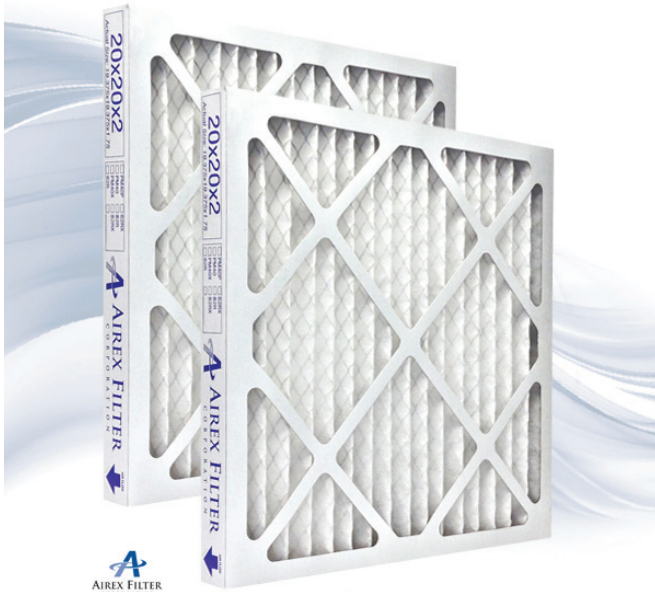
UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and 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.



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.

For more information, please visit our informational website

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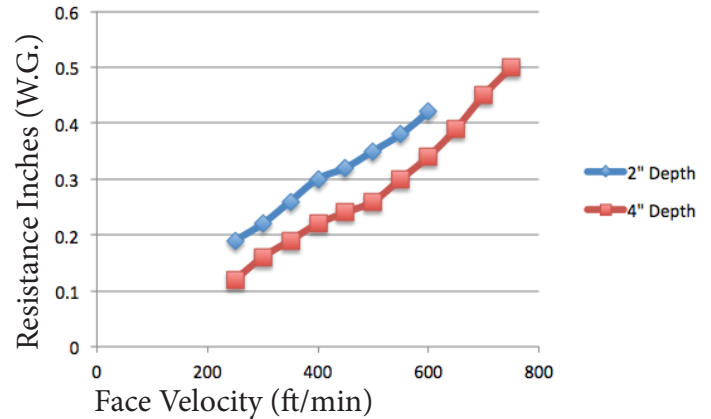
Airex Filter Corporation

GP100 MERV 13

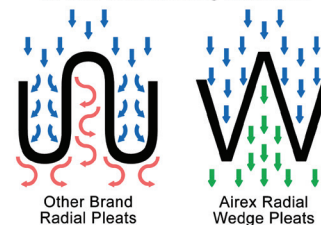
High Capacity Pleated Filter

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

Filter Series (GP100 MERV 13 Series) Filter Width (25" Width) Filter Height (25" Height) Filter Depth (2" Depth)



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

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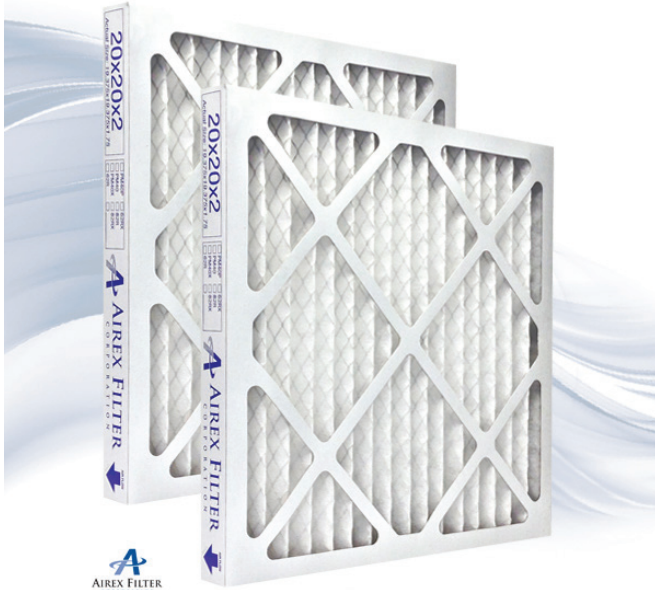
UL 900 covers both washable and throwaway filters, used for the removal of dust and other airborne particles from mechanically circulated air in equipment and systems. This is in accordance with the Standards of the National Fire Protection Association (NFPA) for Installation of Air Conditioning and 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.



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 air-flow. 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.

For more information, please visit our informational website

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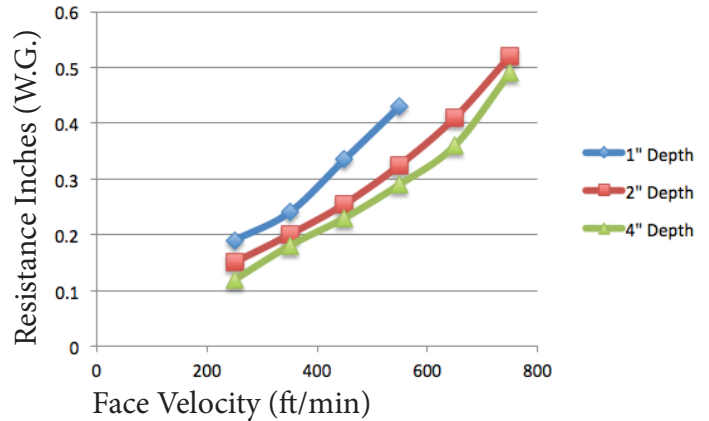
Airex Filter Corporation

HV-PM MERV 8

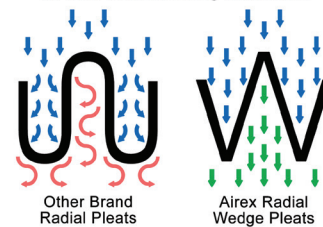
Standard Capacity Pleated Filter

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

| | | | |
|---------------------------------------|-----------------------------|-------------------------------|----------------------------|
| Filter Series (HVPM MERV 8 Series) | Filter Width (25" Width) | Filter Height (25" Height) | Filter Depth (2" Depth) |
|---------------------------------------|-----------------------------|-------------------------------|----------------------------|



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
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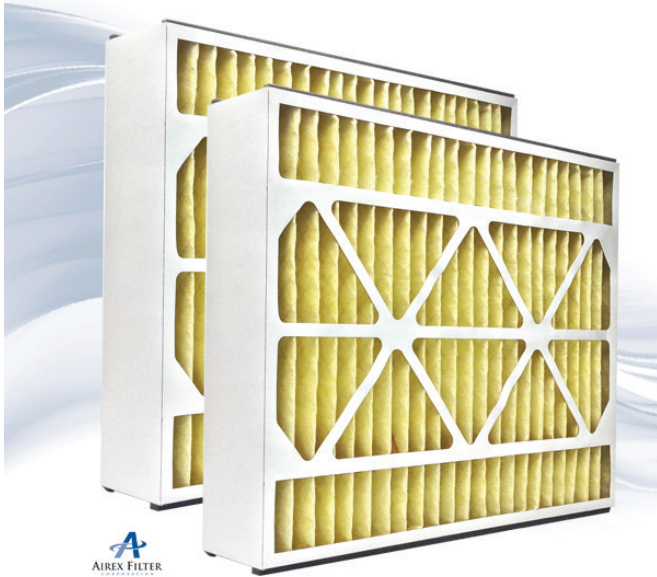
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Airex Filter Corporation

AB-11 AIR BEAR

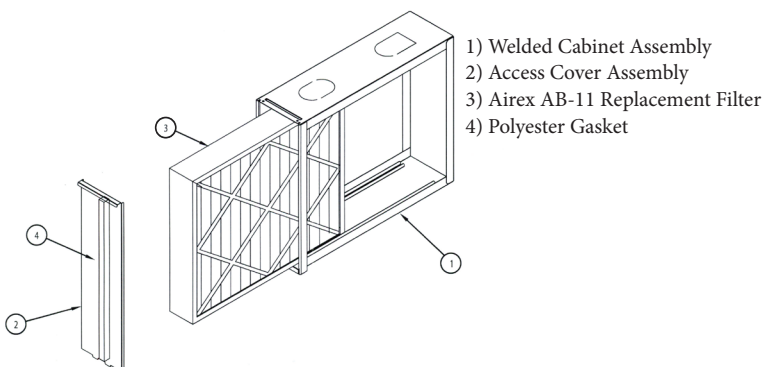
Replacement Filter Cartridge



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.

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- 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



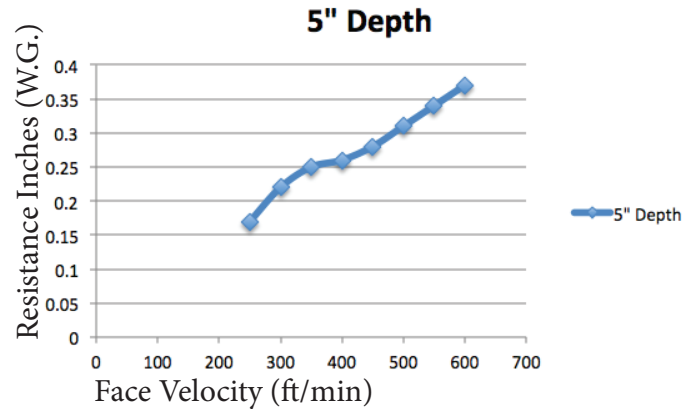
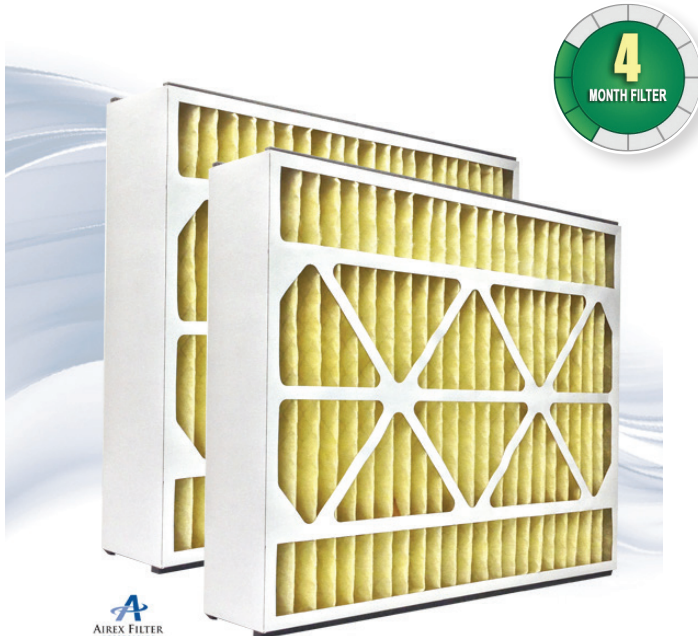
Airex Filter Corporation

AB-11 AIR BEAR

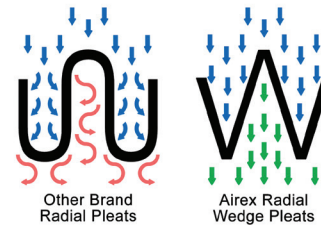
Replacement Filter Cartridge

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

| | | | |
|--|-----------------------------|-------------------------------|----------------------------|
| Filter Series (Air Bear MERV 11 Series) | Filter Width (20" Width) | Filter Height (25" Height) | Filter Depth (5" Depth) |
|--|-----------------------------|-------------------------------|----------------------------|



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
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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

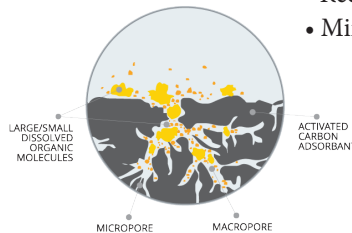
All Carbon Pleated Filters



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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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 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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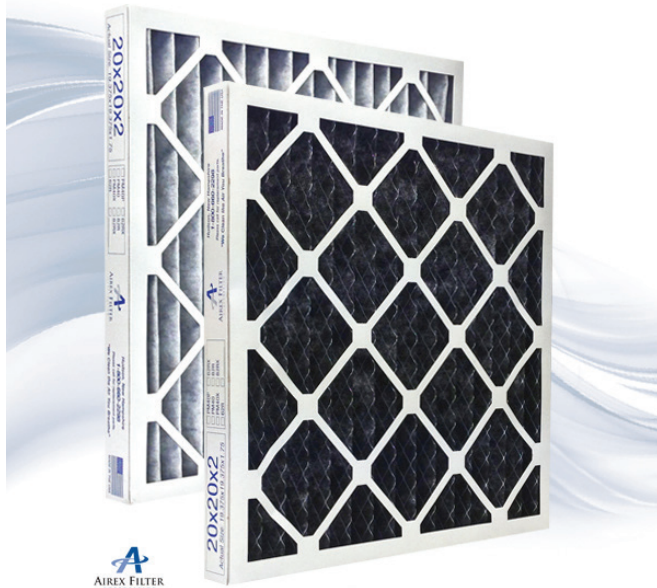
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Airex Filter Corporation

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.

For more information, please visit our informational website

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Airex Filter Corporation

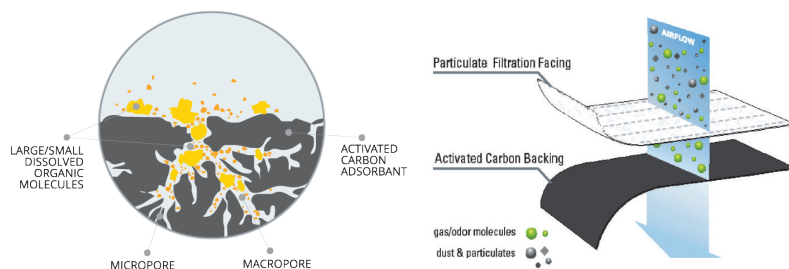
MERV 8 Carbon Combo

Pleated Filters - MERV 8 Media w/Carbon



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



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

Dual Stage Carbon

Panel Filters - Polyester or Fiberglass w/Carbon



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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Filter Series
(DSC Carbon Series)Filter Width
(25" Width)Filter Height
(25" Height)Filter Depth
(2" Depth)

Airex Filter Corporation

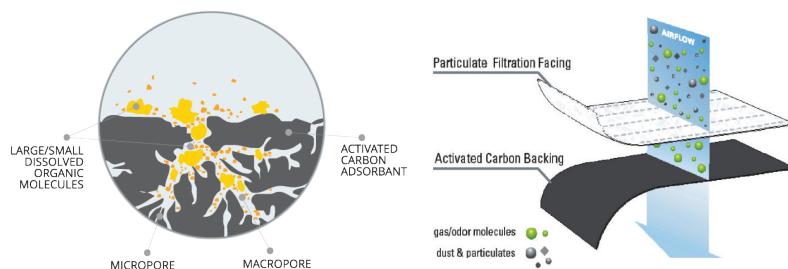
Dual Stage Carbon

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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800-660-2298



Airex Filter Corporation

FCP-OG Carbon

Odorguard Pleated Filters



The FCP-OG Carbon Pleat adsorbers are designed for the removal of malodorous compounds at low concentration levels. By utilizing the latest technology in fine mesh activated carbon, this product provides high removal efficiency of nuisance odors. The FCP-OG filter is a pleated activated carbon filled nonwoven media sealed within a moisture resistant beverage board frame. The media is filled with fine mesh activated carbon through the depth of the filtering material. The ultrapure carbon is thermally bonded to the media fibers providing a superior bond. This process allows maximum carbon surface area and optimizes efficiency and available capacity for an exceptional adhesion of granular and consistent carbon distribution. This process reduces channeling and minimizes pressure loss. The FCP-OG filter is available in a wide range of sizes for all commercial, industrial and residential applications. 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.

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.

For more information, please visit our informational website

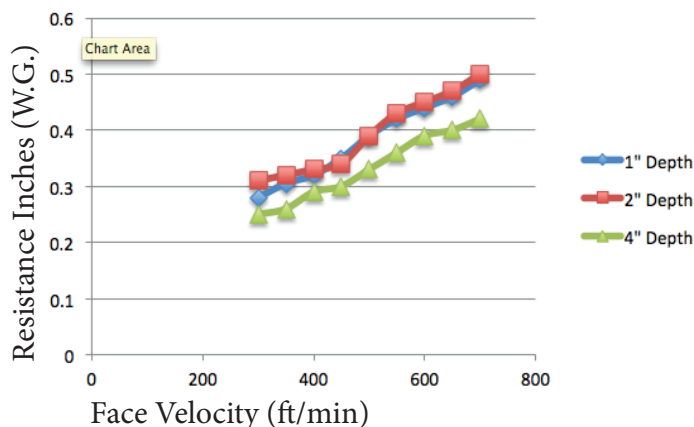
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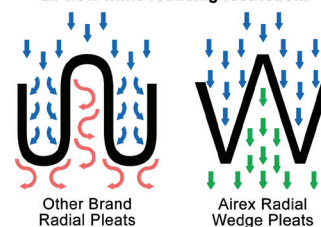
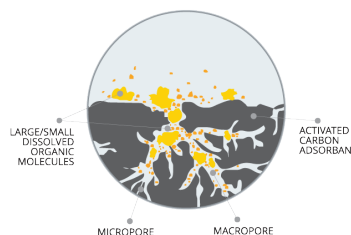
Airex Filter Corporation

FCP-OG Carbon

Odorguard Pleated Filters

example part # **CPM25252****CPM-25-25-2**Filter Series
(CPM Carbon Series)Filter Width
(25" Width)Filter Height
(25" Height)Filter Depth
(2" Depth)

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



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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", 2" and 4" depths
- Special sizes available upon request

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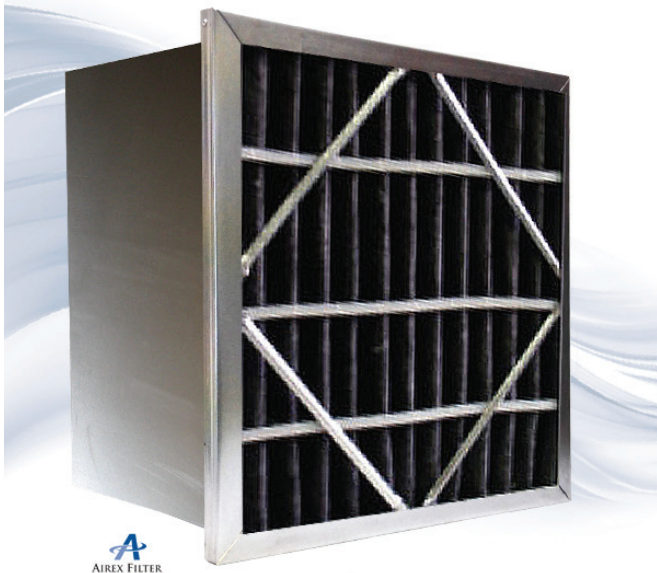
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Airex Filter Corporation

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 500FMP | 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 | | | 50/50 Blend | | | | | | |
| 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 | | | | | | | | | |
| OGBMC-12-800-01 | 12 x 24 x 12 | 26.0 | 3.4 | .167 | .425 | 91% | 8 | 242 | 1.5 |
| OGBMC-12-800-05 | 20 x 20 x 12 | 35.4 | 4.7 | .167 | .425 | 91% | 8 | 329 | 1.5 |
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| OGBMC-12-800-08 | 24 x 24 x 12 | 52.6 | 7.0 | .167 | .425 | 91% | 8 | 490 | 1.5 |

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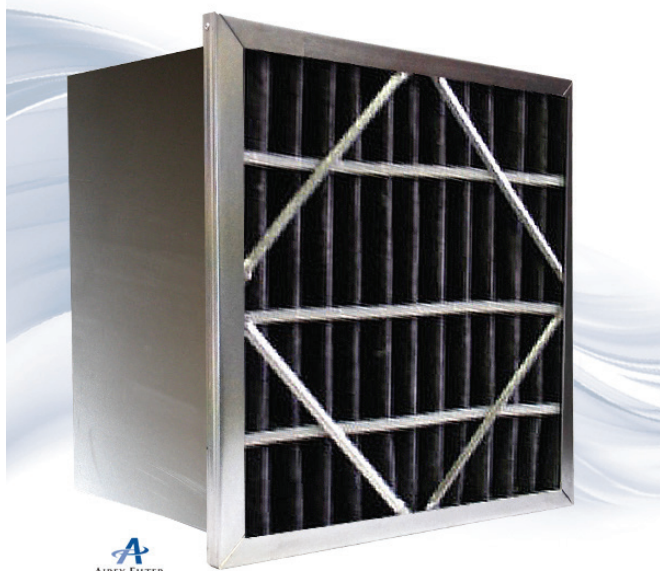
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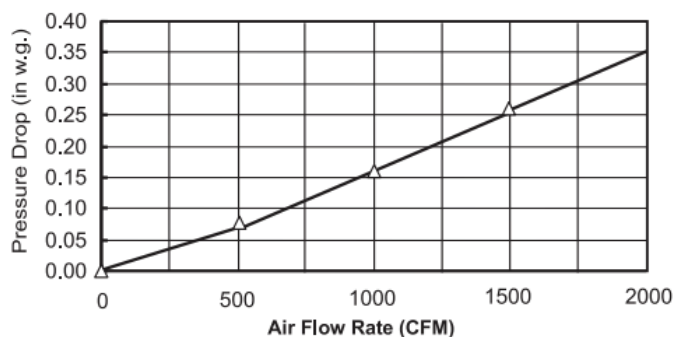
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Airex Filter Corporation

OdorGuard Rigid Cell Filter

Granular Activated Carbon Filter



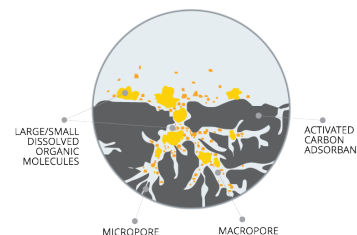

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IAQ problems are unpredictable. They appear suddenly and can be a one-time occurrence, or crop up periodically. In either event, making changes in the air handling system to deal with them is not timely or cost effective.

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:

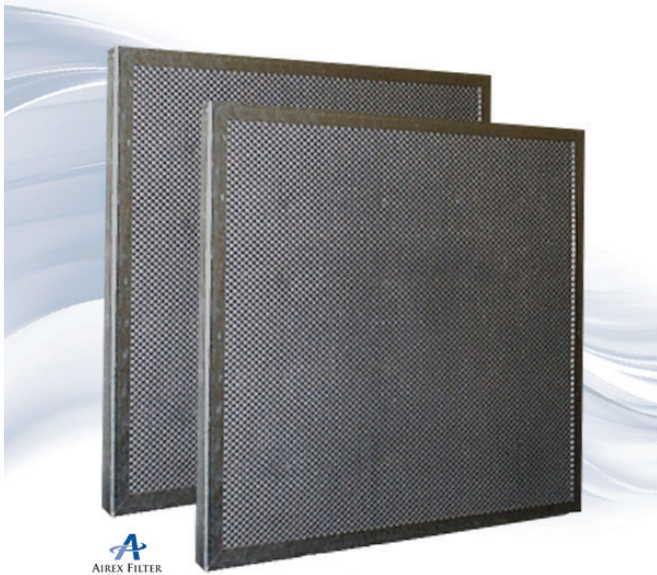
- Airports
- Hospitals
- Industrial Plant Offices and Laboratories
- Microelectronic Component Assembly
- Museums
- Office, Retail and Commercial Buildings



Airex Filter Corporation

Coconut Shell Carbon

Granular Activated Panel Filter



These activated carbon granules are an absorbent with well developed pore structure allowing for a range of absorbent retention. The high hardness number allows for a minimal granular breakage and the kindling point of this activated carbon is usually high. This activated carbon is particularly well suited for the removal of organic contaminants and precious metal recovery.

Select from premium grade, 60% activity coconut shell carbon or specially impregnated carbons for hard to remove odors. Standard 60% activity carbon effectively removes odors associated with hydrocarbons, tobacco smoke, body odors, cooking and volatile organic compounds (VOC's). Specially impregnated carbons can be selected to remove compounds such as ammonia, hydrogen sulfide, or formaldehyde. Disposable honeycomb panels are designed to be used in applications where low pressure drops and the ease of replacement is a necessity. Panels can be manufactured with a 25, 50, 75, or 100% fill by volume.

Physical Properties:

Base Material: **Coconut Shell**

Activation Method: **High Temp Steam**

Carbon Tetrachloride Activity: **60 CTC Minimum**

Particle Size: **4x5 (Custom Sizes Available)**

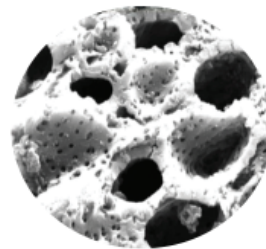
Hardness (Ball Abrasion): **97 Minimum**

Apparent Density (Lbs/Cu. Ft.): **31 Average**

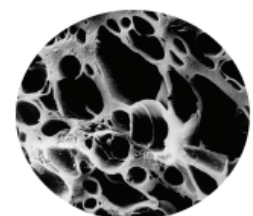
Total Ash Content: **2% Maximum**

Iodine Number: **1050 Minimum**

Packaging: **Bags, Drums, Bulk Containers**



Coconut shell activated carbon under microscope 1000x has much more micropores than standard activated carbon.



Standard activated carbon

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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.

For more information, please visit our informational website

www.AirexFilter.com



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, an 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 exiting 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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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

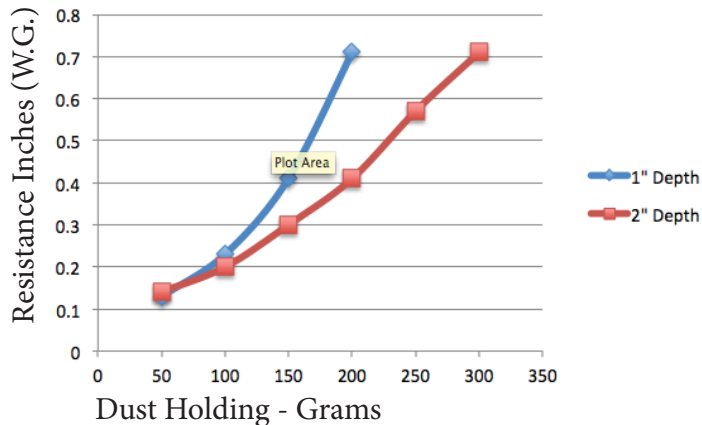
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Airex Filter Corporation

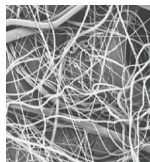
Fiberglass

Disposable Panel Air Filters

example part # **FTA24242****FTA-24-24-2**Filter Series
(Fiberglass Panel Series)Filter Width
(24" Width)Filter Height
(24" Height)Filter Depth
(2" Depth)

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

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800-660-2298

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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 exiting 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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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

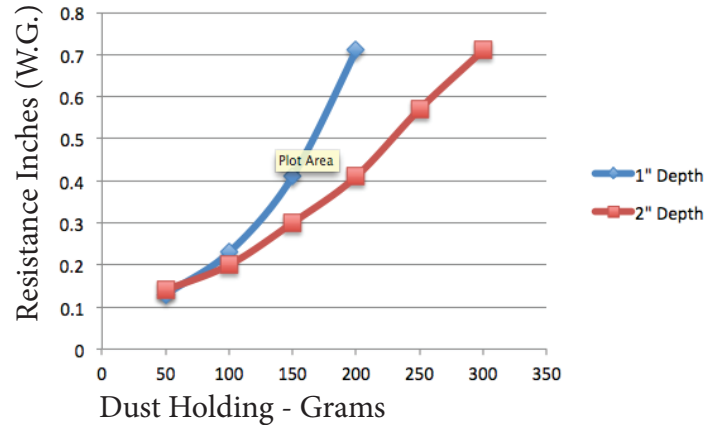
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Airex Filter Corporation

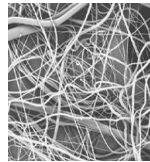
Odd-Size Fiberglass

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



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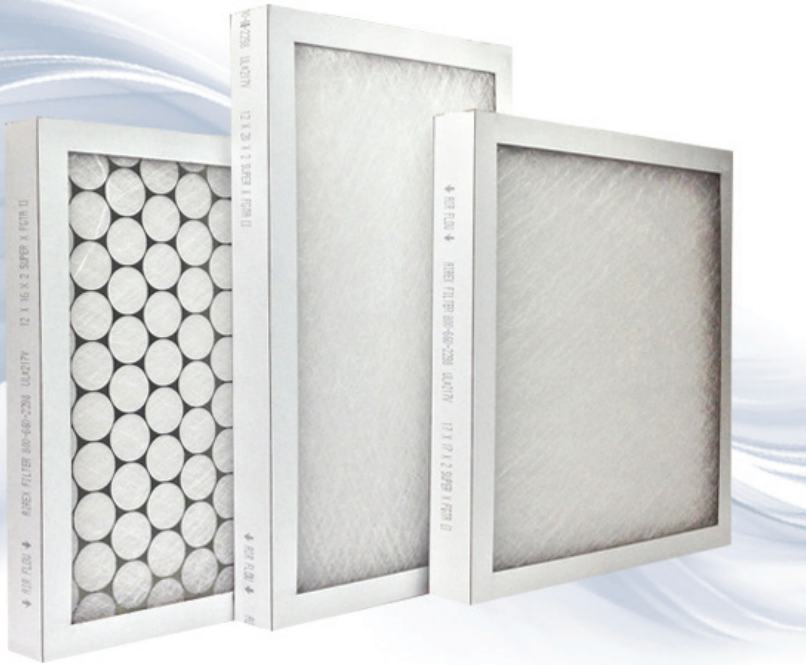
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Airex Filter Corporation

Odd-Size Fiberglass

Disposable Panel Air Filters



“We take pride in constructing the highest quality air filtration products, which reflects our commitment and loyalty to our customers, each other, and our company.”

“As a manufacturer of air filters, we take our production process very seriously. We understand that the quality of our products can make the difference between a safe and efficient workplace and a workplace that is plagued with contamination issues. We understand the significance of our work for the wellbeing of your work environment.

Thus, your success is our success.”

Filter Specifications

- 035 Moisture Resistant Beverage Board Frame
- Custom Printed Frame With Size, Airflow, Filter Type & UL#
- Newest Polystrand Media Eliminating Dusting
- Higher MERV Rating Than Typical Fiberglass Filters
- Heavy Laminated Backing For Extra Durability & Efficiency
- Media Bonded To Frame With Hot Melt Adhesive
- Metal Retainer Available
- UL Approved

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

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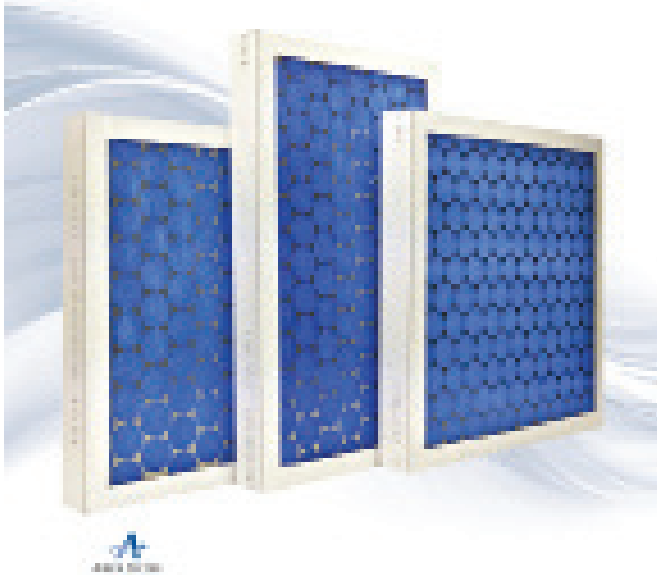
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Airex Filter Corporation

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

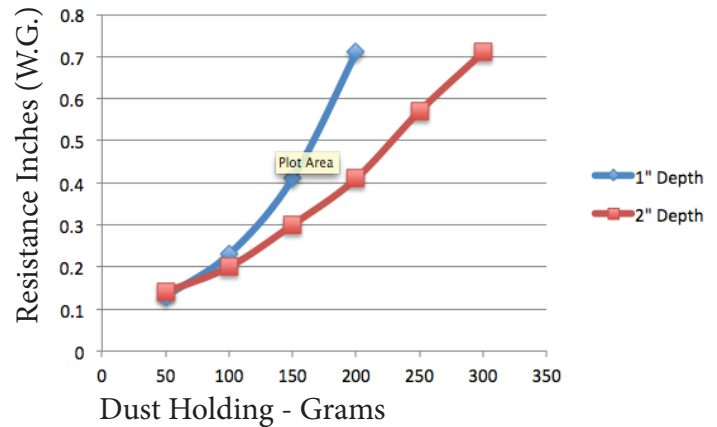
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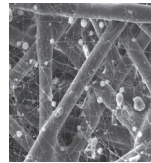
Odd-Size Polyester

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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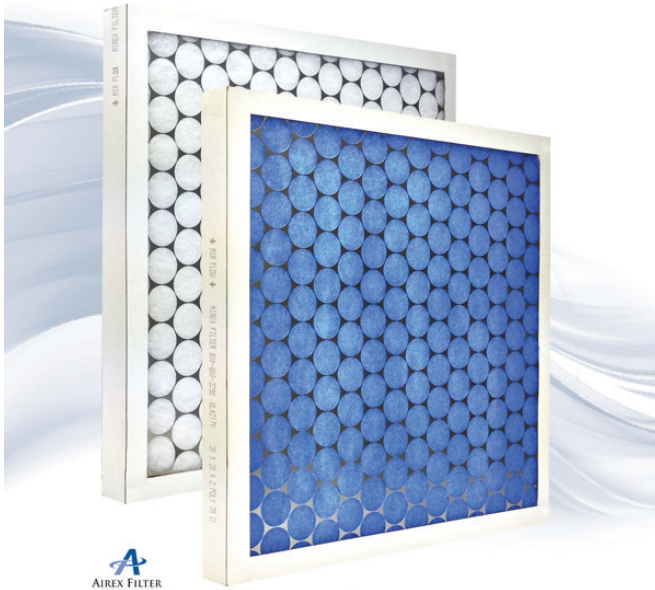
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Airex Filter Corporation

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

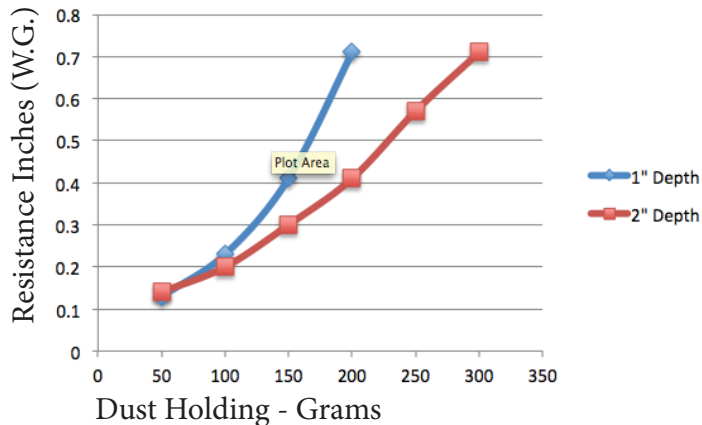
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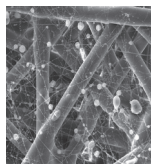
Polyester

Disposable Panel Air Filters

example part # **PTA24242****PTA-24-24-2**Filter Series
(Polyester Panel Series)Filter Width
(24" Width)Filter Height
(24" Height)Filter Depth
(2" Depth)

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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- 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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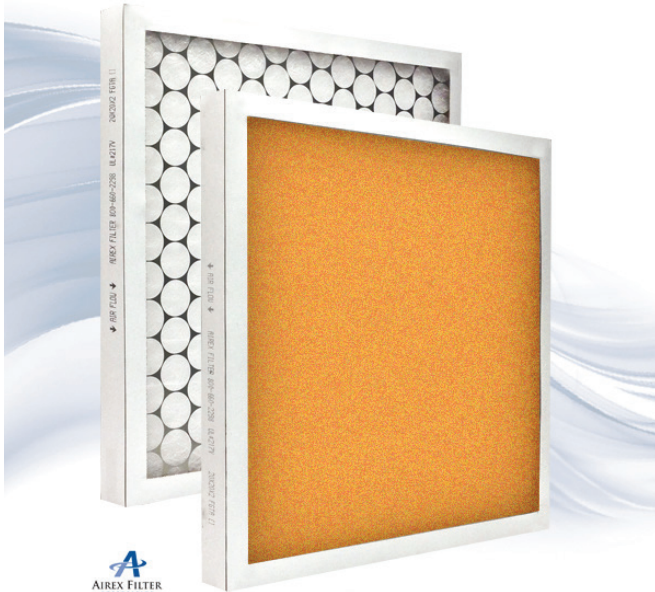
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Airex Filter Corporation

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 their 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 personnel 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.

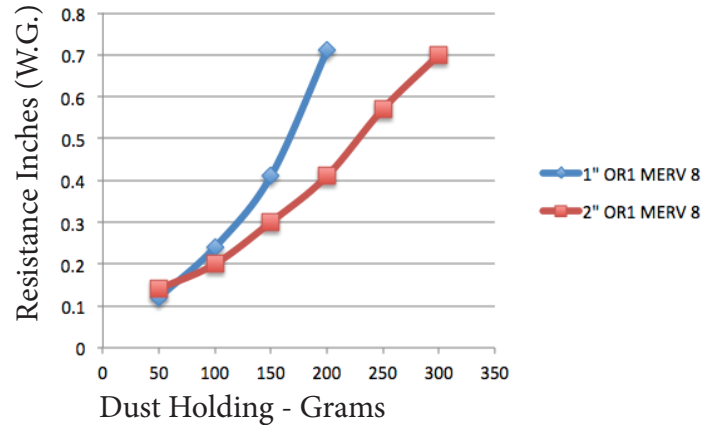
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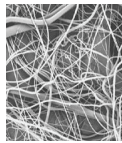
Airex Filter Corporation

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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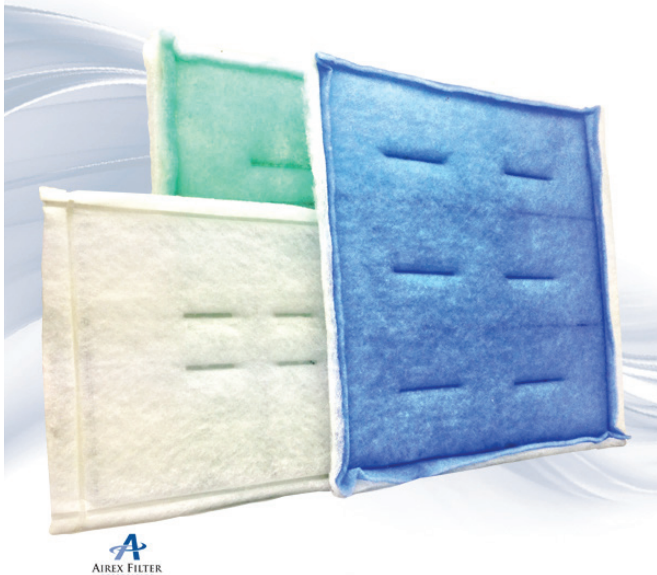
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Airex Filter Corporation

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.

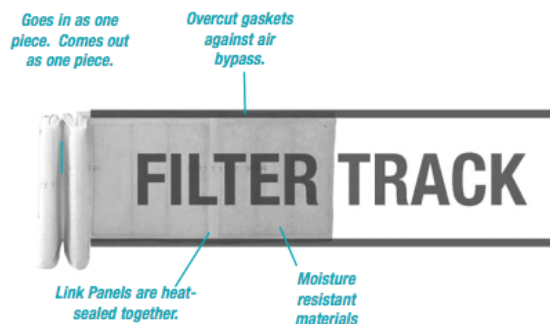
Typical Performance Characteristics @ 500 FPM

(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.



*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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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.

For more information, please visit our informational website

www.AirexFilter.com

Airex Filter Corporation

Automatic Roll Filters

For Industrial & Commercial Applications

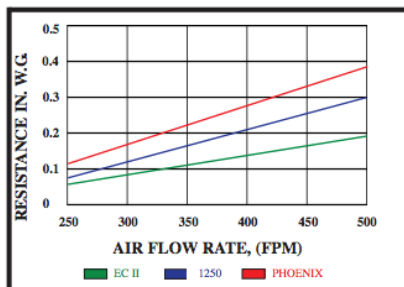


Airex automatic roll filters are designed for use in primary roll filter machines. These machines are self renewing, offering a new and clean section of air filter media either manually or automatically. The auto roll comes wound on spools or cores ready for installation. Each auto roll contains 65 linear 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.

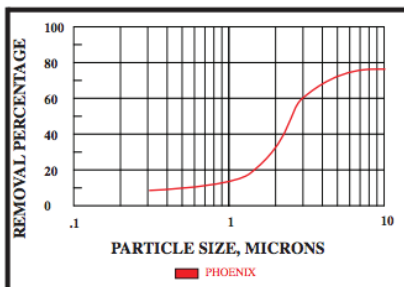
Airex Filter offers a complete line of roll filters for automatic roll machines. Automatic Roll Filters are designed to replace the original equipment filter with no modification. Our Automatic Roll Filters are available in different grades of fiberglass and polyester media in most standard widths.

STANDARD PRESSURE DROP

Test Filter Size 24" x 24" Nominal

**MINIMUM PARTICLE SIZE EFFICIENCY**

Test Filter Size 24" x 24" Nominal



| | | | | | | | |
|--|--|------------|--------|-----------------------|--|------------|--------|
| American Air (Bell-G-Matic) Kermec (Herman-Nelson = 3" and plates Filtrina-Air | | Roll Width | *Model | Pure Automatic Manual | | Roll Width | *Model |
| | | 24-1/4" | 21AA | | | 6-1/4" | 19FA |
| | | 32-1/4" | 22AA | | | 14-1/4" | 15FA |
| | | 36-1/4" | 23AA | | | 28-1/4" | 21FA |
| | | 44-1/4" | 24AA | | | 36-1/4" | 27FA |
| | | 48-1/4" | 25AA | | | 44-1/4" | 33FA |
| Type 1-A core is 2-1/8" I.D. Round tube with no drive pin, drive or cage. Model Pure V-8 (vertical) tube and a 1-1/4" I.D. cone. | | Roll Width | *Model | | | Roll Width | *Model |
| | | 24-1/4" | 21AA | | | 6-1/4" | 19FA |
| | | 32-1/4" | 22AA | | | 14-1/4" | 15FA |
| | | 36-1/4" | 23AA | | | 28-1/4" | 21FA |
| | | 44-1/4" | 24AA | | | 36-1/4" | 27FA |
| | | 48-1/4" | 25AA | | | 44-1/4" | 33FA |

| | | | | | | | |
|--|--|------------|--------|--|--|------------|--------|
| Cambridge Auto Roll | | Roll Width | *Model | Continental Commercial (Commercial) (Full-Size Mine Safety Appl. (MSA) | | Roll Width | *Model |
| | | 24-1/4" | 01CA | | | 21-1/8" | 01CC |
| | | 32-1/4" | 01CA | | | 31-1/8" | 01CC |
| | | 44-1/4" | 01CA | | | 41-1/8" | 01CC |
| | | 56-1/4" | 01CA | | | 51-1/8" | 01CC |
| | | 68-1/4" | 01CA | | | 61-1/8" | 01CC |
| Type 1-B core is 2-1/8" I.D. Round tube with drive pin 2-1/2" from end and of tube only 8-1/2" from drive and end. | | Roll Width | *Model | | | Roll Width | *Model |
| | | 24-1/4" | 01CA | | | 21-1/8" | 01CC |
| | | 32-1/4" | 01CA | | | 31-1/8" | 01CC |
| | | 44-1/4" | 01CA | | | 41-1/8" | 01CC |
| | | 56-1/4" | 01CA | | | 51-1/8" | 01CC |
| | | 68-1/4" | 01CA | | | 61-1/8" | 01CC |

| | | | | | | | |
|--|--|------------|--------|--------|--|------------|--------|
| Type 1-B (Dewco) Core (Dewco) core is 2-1/8" I.D. Round tube with a metal ring around and attached to a depth of 1-1/2" in each end. The rings are spaced in time a 1-1/2" square. | | Roll Width | *Model | H.E.C. | | Roll Width | *Model |
| | | 24-1/4" | 10TR | | | 24-3/8" | 25HLC |
| | | 32-1/4" | 11TR | | | 34-3/8" | 40HLC |
| | | 44-1/4" | 12TR | | | 46-3/8" | 50HLC |
| | | 56-1/4" | 13TR | | | 58-3/8" | 50HLC |
| | | 68-1/4" | 14TR | | | 70-3/8" | 70HLC |
| Type 1-B (Dewco) Core (Dewco) core is 2-1/8" I.D. Round tube with a metal ring around and attached to a depth of 1-1/2" in each end. The rings are spaced in time a 1-1/2" square. | | Roll Width | *Model | | | Roll Width | *Model |
| | | 24-1/4" | 10TR | | | 24-3/8" | 25HLC |
| | | 32-1/4" | 11TR | | | 34-3/8" | 40HLC |
| | | 44-1/4" | 12TR | | | 46-3/8" | 50HLC |
| | | 56-1/4" | 13TR | | | 58-3/8" | 50HLC |
| | | 68-1/4" | 14TR | | | 70-3/8" | 70HLC |

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Airex Filter Corporation

Polyester Sleeves & Rolls

100% Needled Polyester Material



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 univent 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.

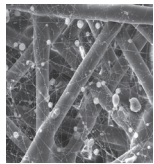
Typical Performance Characteristics @ 500 FPM

(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 |

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.



Administrative Office Manufacturing Plant I

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

Production Office Manufacturing Plant II

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

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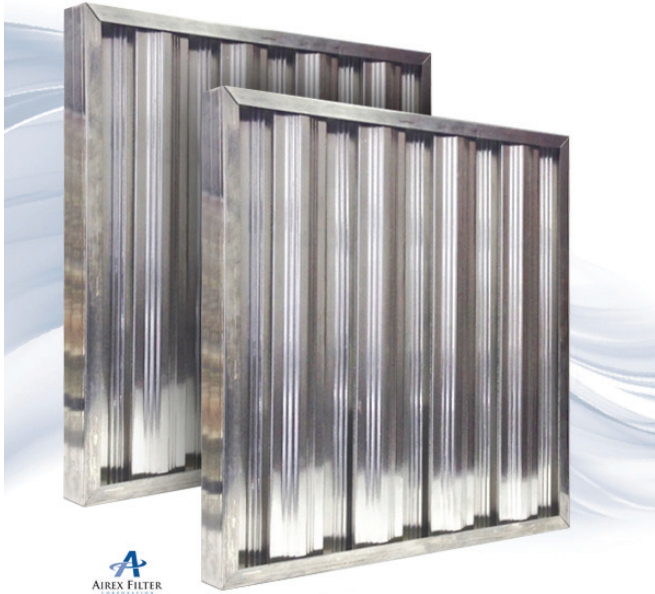
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Airex Filter Corporation

Grease & Fire Baffle Filter

Commercial & Industrial Filtration



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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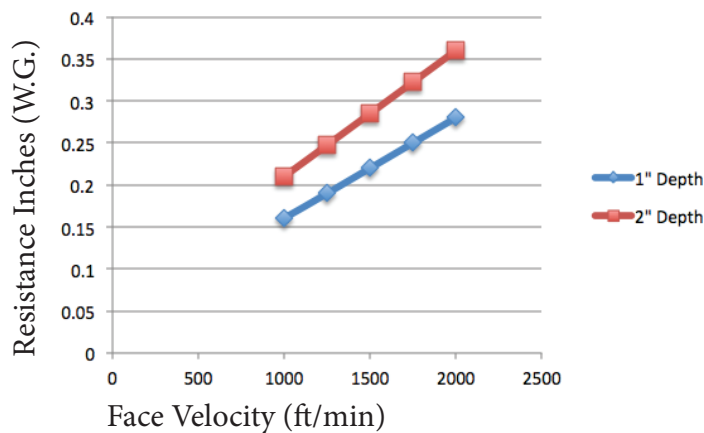
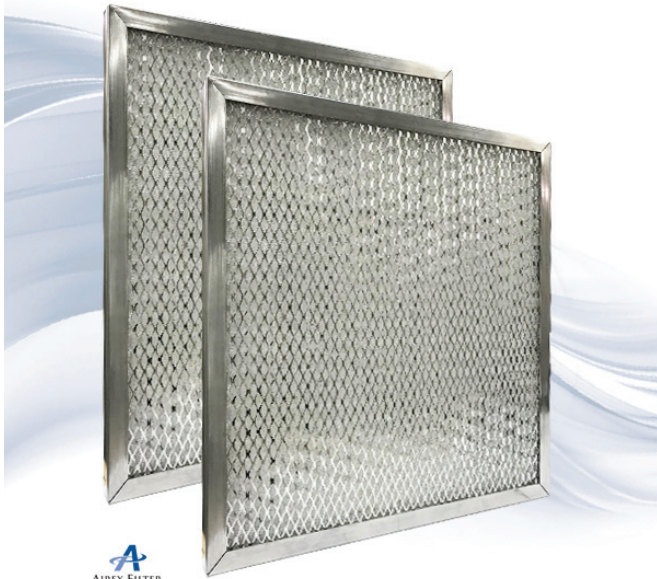
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Airex Filter Corporation

EAF Electrostatic

Self-Charging Air Filter

example 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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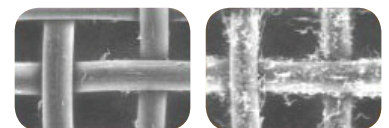
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The Airex EAF Self-Charging Electrostatic Air Filters combine high efficiency, low pressure drop, maximum resistance and large dust holding capacity in an easy to care for permanent filter. EAF filters are available in a 1 inch or 2 inch .040 aluminum 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. Between the two layers of media is a layer of corrugated aluminum for added support and strength. The media is supported on both sides with flat 1/4"x1/2" .036 expanded aluminum. 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 for years in most applications when cleaned properly. Under ideal conditions our EAF filters can reach 90% efficiency. However, as the filter loads and the electro-static properties diminish the efficiency could drop as low as 50% during use. Each filter category receives a MERV rating (minimum efficiency reporting value) and because we can only rate the EAF filter at its lowest rated value the best allowed rating would be MERV 4-5 @ 10 micron.

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.



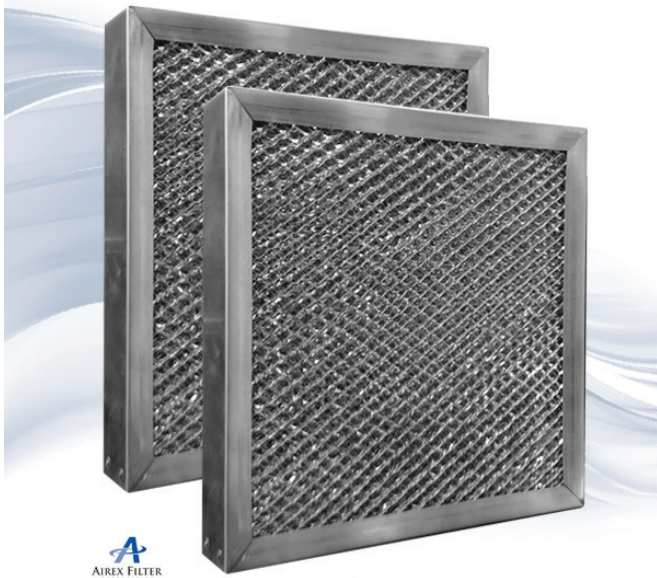
For more information, please visit our informational website

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Airex Filter Corporation

EZ Kleen Metal Filter

Commercial & Industrial Filtration



- 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)**Register today for online ordering:**

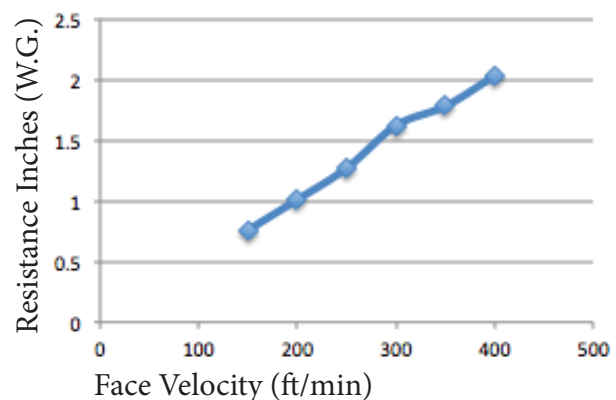
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The Airex EZ Kleen filters are available in all aluminum 1/2 inch, 1 inch or 2 inch thickness in all standard sizes as well as a variety of custom made sizes. Airex EZ Kleen metal filters are lightweight, durable, washable, and easy to clean. Simply 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.



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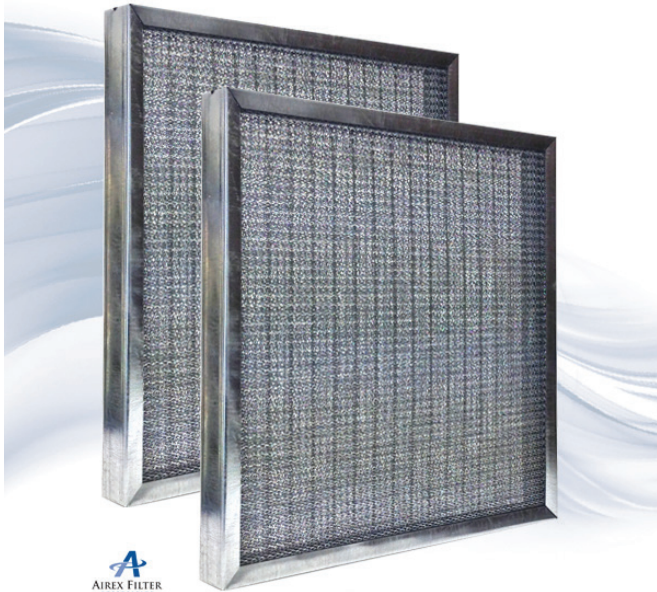
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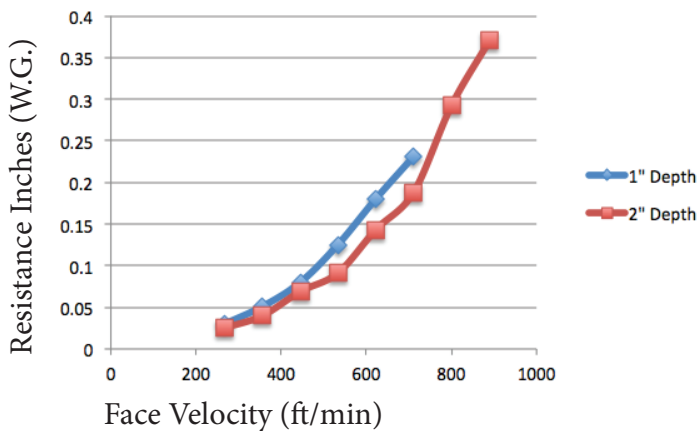
HDA Aluminum

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

Filter Series (HDA Aluminum) Filter Width (25" Width) Filter Height (25" Height) Filter Depth (2" Depth)



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

Natural Hogs Hair

The Real All-Natural Fiber Filter Media



Airex Hog's Hair Filter Media is the premier natural fiber air filter media on the market today. A low cost, high capacity, washable, reusable material with a variety of industrial air filtration and evaporative cooling applications. By trapping more dirt and allowing free air flow, the Airex Natural Hog Hair Media adds to the life of your equipment and allows your system to run efficiently.

Hog Hair: Filter media made with natural fiber spun into a high loft, depth loading fiber maze. The fibers are fully bonded together and firmly locked upon a rigid scrim net backing using a special binder.

You can cut the Hogs Hair Media into Cut-To-Fit Filter Pads with heavy shears or a razor knife to create almost any size air filter for furnace and central air systems. This media is plyable, yet rigid and needs no frame for support. Just cut and install. It can be washed and reused several times before needing replacement. It is the ideal replacement for hard to find or special filter sizes.

Filter Contents: Coconut husk fiber, Sanitized hog hair, Latex based binder, Scrim backing

Binder Content: SBR / Acrylic latex, 60% of media weight is fiber, 40% of weight is binder.

Backing: Fire retardant polyester scrim with a machine direction = (12) double stacked threads @ 70 denier and a cross direction = 4 threads @ 150 denier.

Thickness:

| | |
|-----------------|------------------------|
| PAR 5 = 1/2" | 5/8" +/- 1/8" actual |
| PAR 75 = 3/4" | 3/4" +/- 1/8" actual |
| PAR 10 = 1" | 1" +/- 1/8" actual |
| PAR 15 = 1-1/2" | 1-1/2" +/- 1/4" actual |
| PAR 20 = 2" | 2" +/- 1/4" actual |

Width / Length: Cut to size, +0.250 inches, -0.250 inches

Minimum width 8" - Maximum width 72"

Density:

| | |
|---------------|--------------------------|
| 1/2" media: | 2.25 +/- .25 oz./sq. ft. |
| 3/4" media: | 2.65 +/- .25 oz./sq. ft. |
| 1" media: | 2.85 +/- .25 oz./sq. ft. |
| 1-1/2" media: | 3.75 +/- .25 oz./sq. ft. |
| 2" media: | 4.00 +/- .25 oz./sq. ft. |

High Capacity: Airex Hog's Hair Media has a higher dust holding capacity than ordinary filters (see specifications) making them 3 times longer lasting.

Depth Loading: Airex Hog's Hair Media is engineered to load through the entire depth for increased dust holding capacity with minimal increased static pressure.

Flame Retardant: Airex Hog's Hair Media is UL Class 2 rated for flame retardant. We can also supply filter media to comply with FMVSS302 transportation requirements.

Extra Rigid: Self-sealing edges permit full-size use of the filter with no frame necessary.

Reusable: Easy to wash or vacuum and reusable.

Sturdy: While they are degradable in a landfill, Airex Filters can be stored indefinitely with no deterioration.

Anti-Microbial: Our filters have been treated to resist mold and mildew.

Customizable: We can design our filters to fit your needs (notch, angle-cut, etc). They come in various sizes, thickness and stiffness. Filters can be trimmed to fit with a pair of household scissors.

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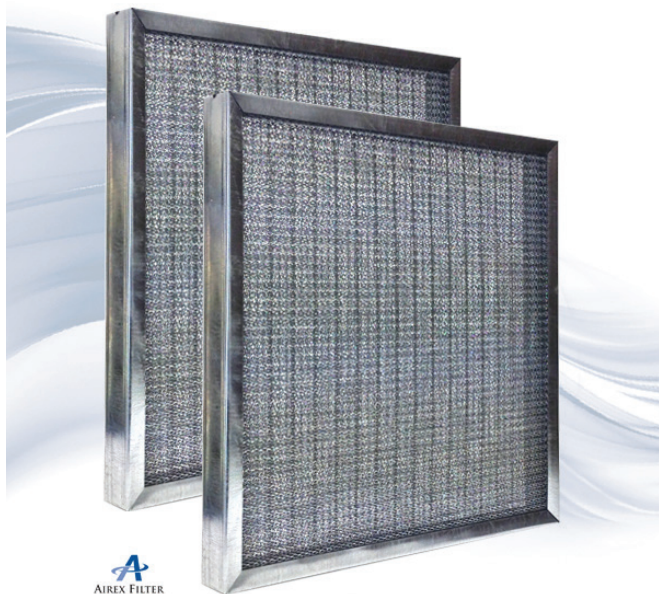
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MDM Perm-A-Steel

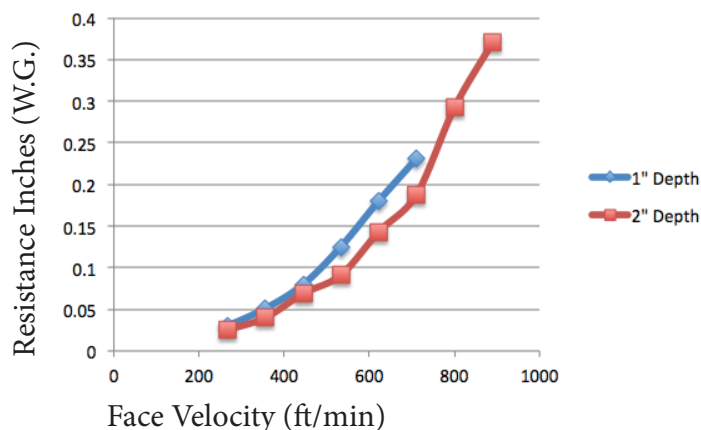
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**AIREX FILTER**
CORPORATION

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**

Filter Series (MDM Perm-A-Steel) Filter Width (25" Width) Filter Height (25" Height) Filter Depth (2" Depth)



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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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.

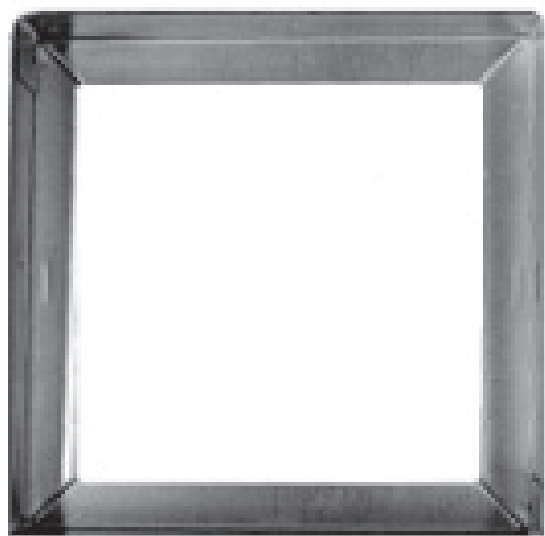
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Airex Filter Corporation

Filter Holding Frames

Commercial & Industrial Filtration

**NS-100 Filter Holding Frame****NS-50 Filter Holding Frame****NS-50 Clip Options:**

Ludwig Clips (Galvanized)
not installed #LGC
installed #LCGI

Ludwig Clips (Stainless Steel)
not installed #LCS
installed #LCSI

1", 3", 4" Clips (Galvanized)
1" #LCG1I - 3" #LCG3I - 4" #LCG4I

The NS-100 is made from heavy 16 gauge Galvanized Steel, the NS-100 Filter is designed for building either small or large filter banks to hold a wide range of filters from the throwaway type filter to a high efficiency HEPA filter. An interlocking lip provides a solid, durable, vibration-less filter bank, simple yet economical to erect. Lip construction on two sides of the frame join with male sides of adjacent frames for rigidity.

GASKETS AND CLIPS - Included with the NS-100 Filter Holding Frame is a foam gasket, applied on the inside lip. This foam gasket prevents air bypass between the frame and the filter. Galvanized Ludwig clips are also included with the NS-100. These clips are spring loaded to hold the filter firmly in place.

| Stock# | Size (Exact) | Pack Ctn/lbs Ctn |
|-------------|-----------------|------------------|
| NS10016202E | 16 X 20 X 2 1/8 | 12/50lbs. |
| NS10016252E | 16 X 25 X 2 1/8 | 12/58lbs. |
| NS10020202E | 20 X 20 X 2 1/8 | 12/58lbs. |
| NS10020242E | 20 X 24 X 2 1/8 | 12/67lbs. |
| NS10020252E | 20 X 25 X 2 1/8 | 12/68lbs. |
| NS10024242E | 24 X 24 X 2 1/8 | 12/70lbs. |
| NS10012242E | 12 X 24 X 2 1/8 | 12/40lbs. |

The NS-50 Filter Holding Frame is made from 16 gauge Galvanized Steel. The straight sides (not interlocking like the NS-100) allow for rigid installation of smaller filter banks. Sides can be bolted together or welded. Ludwig clips and gaskets are not included with the NS-50 Filter Holding frame but can be added upon request. Also available in Aluminum and Stainless Steel. This holding frame is the perfect solution for paint booths, filter walls and other applications that call for a heavy frame to support a filter.

| Stock# | Size (Exact) | Pack Ctn/lbs Ctn |
|------------|-----------------|------------------|
| NS5016202E | 16 X 20 X 2 1/8 | 12/45lbs. |
| NS5016252E | 16 X 25 X 2 1/8 | 12/53lbs. |
| NS5020202E | 20 X 20 X 2 1/8 | 12/53lbs. |
| NS5020242E | 20 X 24 X 2 1/8 | 12/58lbs. |
| NS5020252E | 20 X 25 X 2 1/8 | 12/58lbs. |
| NS5024242E | 24 X 24 X 2 1/8 | 12/65lbs. |
| NS5012242E | 12 X 24 X 2 1/8 | 12/35lbs. |

For more information, please visit our informational website

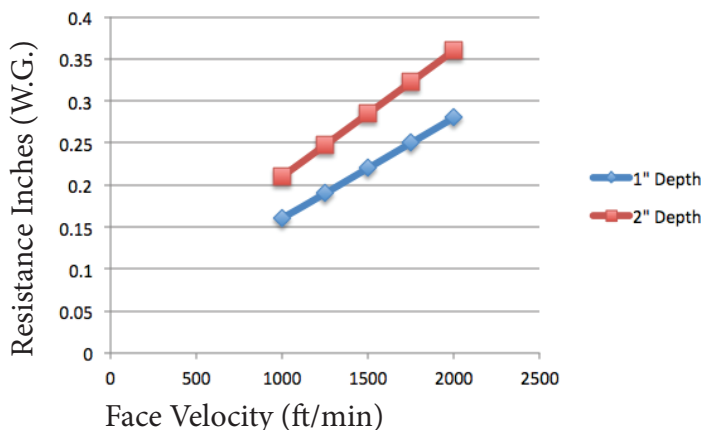
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Airex Filter Corporation

EAF Electrostatic

Heavy Duty Self-Charging Air Filter

example 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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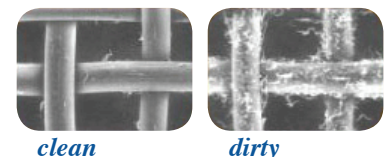


The Airex EAF Self-Charging Electrostatic Air Filters combine high efficiency, low pressure drop, maximum resistance and large dust holding capacity in an easy to care for permanent filter. EAF filters are available in a 1 inch or 2 inch heavy-duty, aircraft type, coated aluminum frame, available in 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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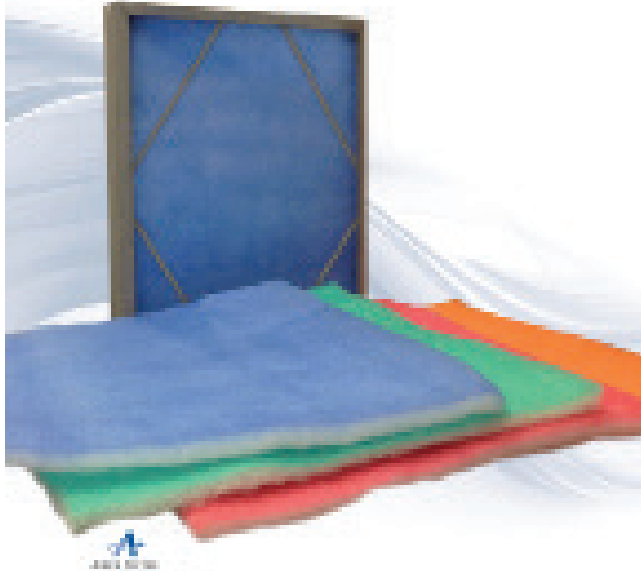
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Airex Filter Corporation

Metal Pad Holding Frames

Commercial & Industrial Filtration



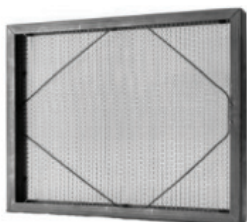
***standard stock - 1x1 galvanized grid with hinged retaining gate.**

X-WIRE and HINGED GATES

Retaining wires are available at Airex Filter to hold the media into the our Pad Holding Frame.

The **X-WIRE** is two Galvanized wires, welded in the center to form an X. This retaining wire is a simple, economical way of retaining the media.

The **HINGED GATE** is a retaining gate, designed to be permanently attached to the frame on one side, allowing the media to be easily removed and replaced without having to hold onto the retaining wire during the process. Also made with Galvanized Steel wire, the Hinged Gate is bent so it holds the media on all four sides, keeping the media from sliding or coming out while in the air handling unit. Each retainer is available at a small additional cost. Larger frames may require more than one retainer to hold the media effectively.

**X-WIRE****HINGED GATE**

The **Airex Filter Pad Holding Frame** is designed with simplicity in mind. The Galvanized Steel frame gives the strength and life expectancy of a permanent filter without the hassle of having to take the filter to another location to have it cleaned, dried and then brought back to the air handling unit. After the initial cost of the frame, replacing the pad is very inexpensive. The Galvanized Frame can handle air velocity up to 550 FPM where as Fiberglass and Polyester filters can only handle up to 350 FPM. Media available: Fiberglass, Polyester, Pleated, Foam, Hog Hair, Poly Flo, and a variety of Paint Arrestor material. Airex Filter carries each of these products, in both bulk rolls and cut to size pads.

Construction

Standard Frame is made from Rigid 24 gauge Galvanized Steel, commercially known as Hot Dip G-90. There are two back grids available: 28 gauge Galvanized Steel, expanded through .055 feed and also, 1"x1" galvanized wire, spot welded together at each section. Both backings are folded securely inside of the frame to give the backing extra strength to hold the pad into place.

Stock sizes are made with 1x1 wire and special sizes are made with expanded. If backing needs are different than what is standard, please specify when ordering. Frames also available in Stainless Steel, Aluminum and 16 gauge Galvanized Steel.

Special Sizes

Custom sizes are made to the customers exact specifications. There is no minimum order on these special sizes (as well as stock sizes). Special size backing consists of expanded media. Available in depths from 1/2" to 6" thick.

Cleanability

The greatest advantage of the Airex Pad Holding Frame is that the cleaning process is very simple. The only thing needed when changing "filters" is the media. Simply remove the frame from the air handling unit, open the retaining wire and remove the dirty media. If need be, gently brush off the backing if any dust or dirt has gotten through the existing media. Take a clean pad of cut to size media, place it into the pad holding frame and put the retaining wire back into place. Put the frame back into the unit and you are finished. Labor costs are kept to a minimum as cleaning is eliminated.



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For more information, please visit our informational website

www.AirexFilter.com



Airex Filter Corporation

Metal Pad Holding Frames

Commercial & Industrial Filtration



***standard stock - 1x1 glavanized grid with hinged retaining gate.**

| Filter Depth (inches) | Nominal Size (inches) | Actual Size (inches) | Part Number |
|--------------------------|--------------------------|-------------------------|--------------|
| 1" | 16 x 20 x 1 | 15.5 x 19.5 x .5 | S7616201N-HG |
| | 16 x 25 x 1 | 15.5 x 24.5 x .5 | S7616251N-HG |
| | 20 x 20 x 1 | 19.5 x 19.5 x .5 | S7620201N-HG |
| | 20 x 25 x 1 | 19.5 x 24.5 x .5 | S7620251N-HG |
| | 24 x 24 x 1 | 23.5 x 23.5 x .5 | S7624241N-HG |
| | | | |
| 2" | 10 x 20 x 2 | 9.5 x 19.5 x 1.5 | S7610202N-HG |
| | 12 x 24 x 2 | 11.5 x 23.5 x 1.5 | S7612242N-HG |
| | 16 x 20 x 2 | 15.5 x 19.5 x 1.5 | S7616202N-HG |
| | 16 x 25 x 2 | 15.5 x 24.5 x 1.5 | S7616252N-HG |
| | 20 x 20 x 2 | 19.5 x 19.5 x 1.5 | S7620202N-HG |
| | 20 x 25 x 2 | 19.5 x 24.5 x 1.5 | S7620252N-HG |
| | 24 x 24 x 2 | 23.5 x 23.5 x 1.5 | S7624242N-HG |
| | | | |

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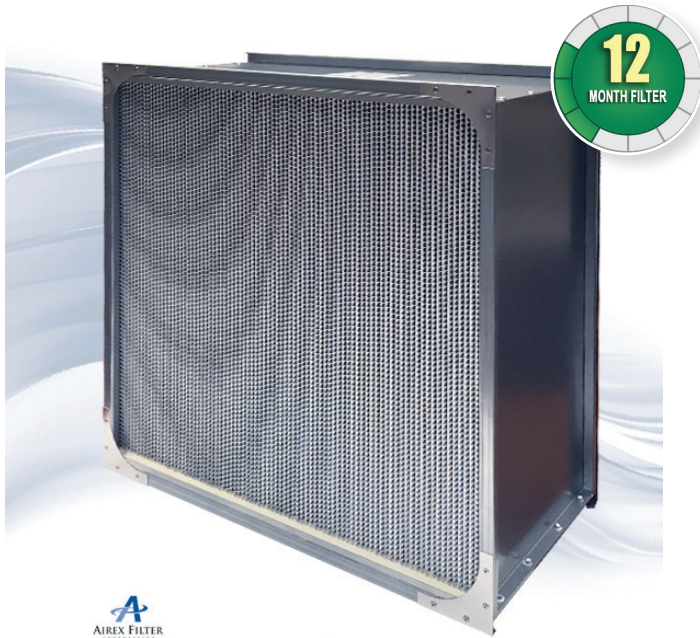
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High Capacity CS HEPA

99.97% and 99.99% Efficient Filters



Description

- EN1822 : Over 99.98% (0.3µm), MPPS:0.143µm (99.9838%)
- Media: Glass fiber
- Frame : Galvanized steel, Aluminum
- Separator: Corrugated Aluminum
- Gasket : Closed Cell Neoprene
- Sealant : Poly-Urethane
- Frame Type : Double Flange, Box

Applications

- Hospitals
- Pharmaceutical
- Genetic Research
- Food Processing
- Photo Processing
- Biomedical
- Biotechnology
- Laboratories
- Semiconductor Fabrication
- Industrial Processing Systems Product

Application Parameters

- Maximum Constant Temperature: 176° F (80° C)
- Recommended Final Pressure Drop: 2.0 in. W.G.
- Flammability: UL 900 Listed
- Relative Humidity: 100%
- Standard Option: Gasket-Down, No Face guard

| Description | Unit | STD CAP. HEPA FTCT GG H03S AAG | HIGH CAP. HEPA FTCT GG H03H AAG | STD CAP. HEPA FTCT GG H04S AAG | HIGH CAP. HEPA FTCT GG H04H AAG |
|--------------------|-------------|--------------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| Efficiency | | 99.97% | 99.97% | 99.99% | 99.99% |
| MEDIA | | GLASS | GLASS | GLASS | GLASS |
| Separator | | A/L Separator | A/L Separator | A/L Separator | A/L Separator |
| Frame | | A/L Box | A/L Box | A/L Box | A/L Box |
| Standard Frame | inch | 24 x 24 | 24 x 24 | 24 x 24 | 24 x 24 |
| Frame Depth | inch | 11 1/2 | 11 1/2 | 11 1/2 | 11 1/2 |
| Initial Resistance | In. W.G. | 0.906 (@1130 CFM) | 1.202 (@1977 CFM) | 1.000 (@1130 CFM) | 1.350 (@1977 CFM) |
| Media Area | Sq. Ft. | 218 | 302 | 218 | 302 |

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Final maximum recommended resistance is 2.0" w.g.
 Maximum operating temperature 176 degrees fahrenheit continuous.
 Product color may vary. Manufactured by Clean & Science, Chicago, IL.

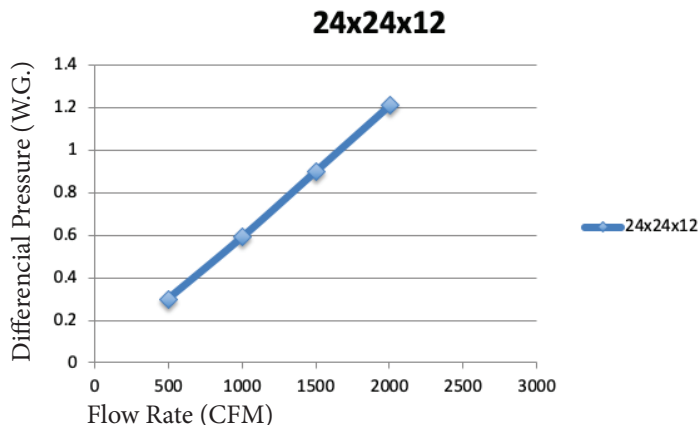
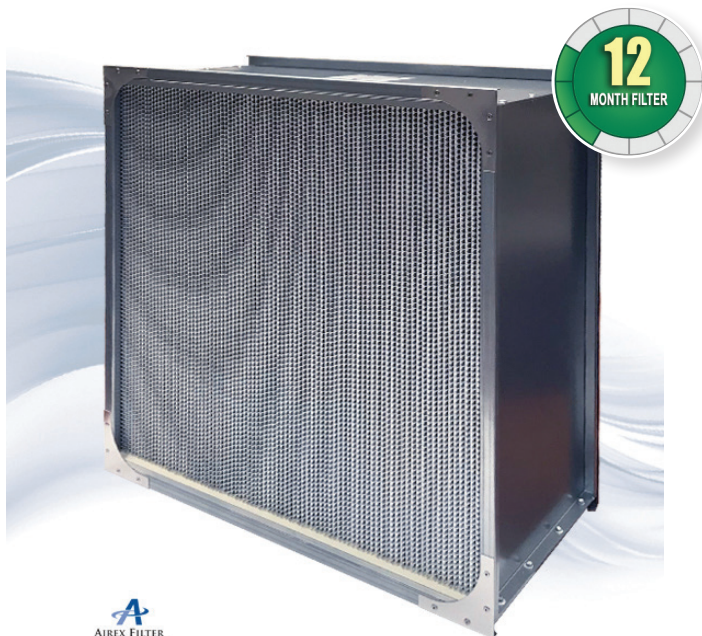
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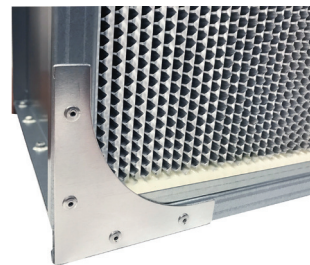
Airex Filter Corporation

High Capacity CS HEPA

99.97% and 99.99% Efficient Filters



Dovetail Gasketing



Reinforced Corners

- More filter media increases the service life and dust-holding capacity.
- Extended service life reduces the cost of ownership.
- Holds up better in harsh environments.
- Closed cell neoprene dovetail gasketing to prevent any air bypass.



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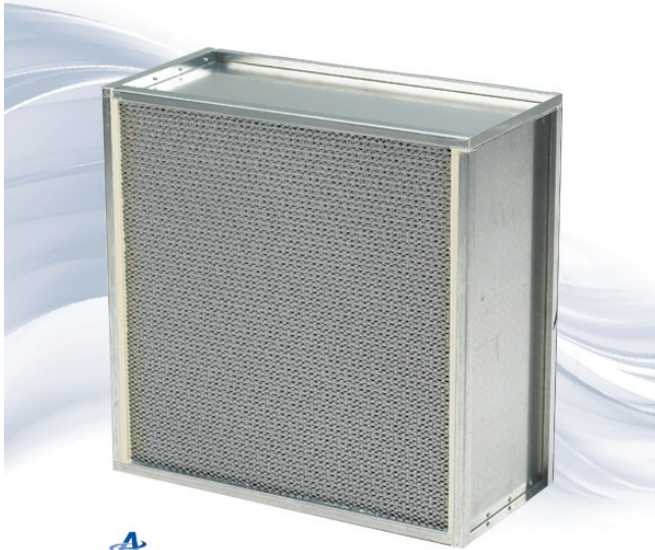
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Airex Filter Corporation

Micro Air HEPA

99.97% and 99.99% Efficient Filters



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.

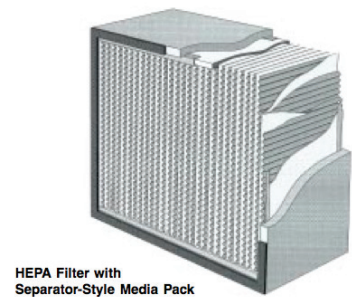
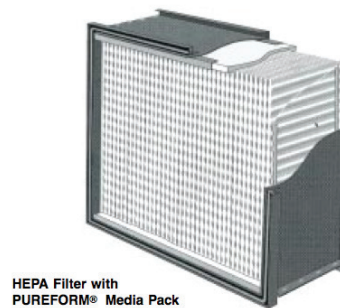
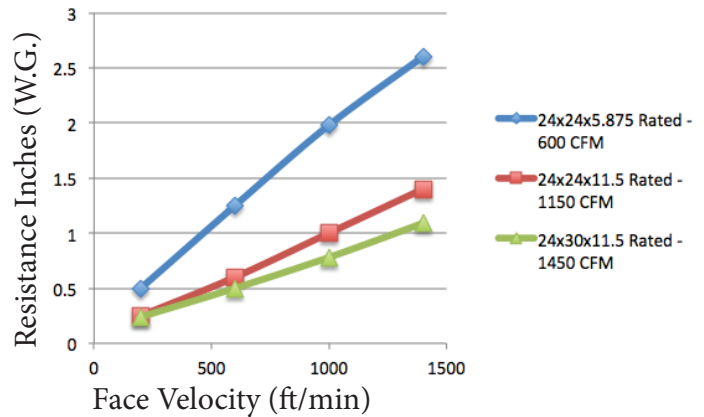
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Airex Filter Corporation

Micro Air HEPA

99.97% and 99.99% Efficient Filters



- 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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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. galvanneal 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

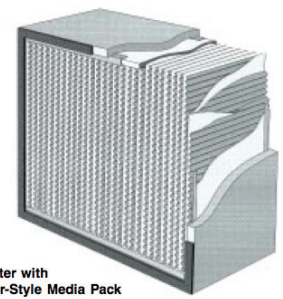
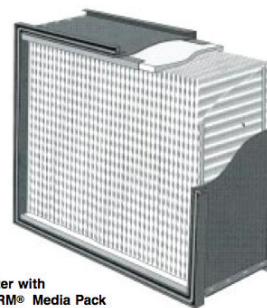
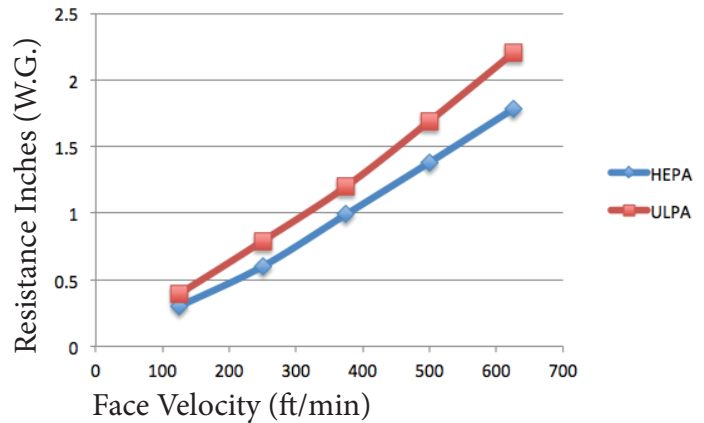
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Airex Filter Corporation

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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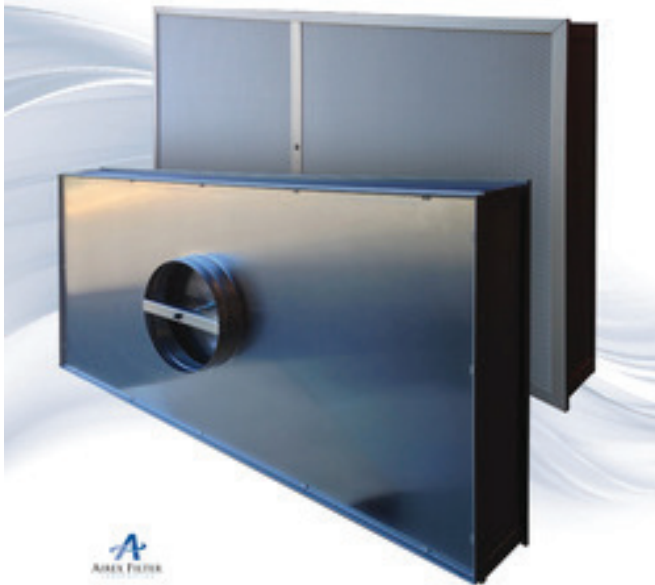
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Airex Filter Corporation

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. | 70 | 90 | 100 | 70 | 90 | 100 | 70 | 90 | 100 |
| 99.99 | 23x23 | KGG | KGG | KGG | 210 | 270 | 300 | 210 | 270 | 300 | 210 | 270 | 300 |
| on | 23x35 | KGP | KGP | KGP | 335 | 430 | 480 | 335 | 430 | 480 | 335 | 430 | 480 |
| 0.30 | 23x41 | KGH | KGH | KGH | 400 | 515 | 570 | 400 | 515 | 570 | 400 | 515 | 570 |
| Micrometers | 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 | 23x23 | KGG | KGG | KGG | 210 | 270 | 300 | 460 | 595 | 660 | 210 | 270 | 300 |
| on | 23x35 | KGP | KGP | KGP | 335 | 430 | 480 | 335 | 430 | 480 | 335 | 430 | 480 |
| 0.12 | 23x41 | KGH | KGH | KGH | 400 | 515 | 570 | 400 | 515 | 570 | 400 | 515 | 570 |
| Micrometers | 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 | 23x23 | KGG | KGG | KGG | 210 | 270 | 300 | 460 | 595 | 660 | 210 | 270 | 300 |
| on | 23x35 | KGP | KGP | KGP | 335 | 430 | 480 | 335 | 430 | 480 | 335 | 430 | 480 |
| 0.12 | 23x41 | KGH | KGH | KGH | 400 | 515 | 570 | 400 | 515 | 570 | 400 | 515 | 570 |
| Micrometers | 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. | 70 | 90 | 100 | 70 | 90 | 100 | 70 | 90 | 100 |
| 99.99 | 23-5/8 x 23-5/8 | E2786 | E0291 | E2786 | 220 | 285 | 315 | 220 | 285 | 315 | 220 | 285 | 315 |
| on | 23-5/8 x 35-5/8 | E-2886 | E0391 | E-2886 | 345 | 445 | 495 | 345 | 445 | 495 | 345 | 445 | 495 |
| 0.30 | 23-5/8 x 41-5/8 | E1296 | E1396 | E1296 | 410 | 525 | 585 | 410 | 525 | 585 | 410 | 525 | 585 |
| Micrometers | 23-5/8 x 47-5/8 | E2986 | E0491 | E2986 | 475 | 610 | 680 | 475 | 610 | 680 | 475 | 610 | 680 |
| Initial resistance, " w.g. | | | | | .42 | .52 | .57 | .35 | .45 | .50 | .28 | .37 | .40 |
| 99.9995 | 23-5/8 x 23-5/8 | E2786 | E0291 | E2786 | 220 | 285 | 315 | 220 | 285 | 315 | 220 | 285 | 315 |
| on | 23-5/8 x 35-5/8 | E-2886 | E0391 | E-2886 | 345 | 445 | 495 | 345 | 445 | 495 | 345 | 445 | 495 |
| 0.12 | 23-5/8 x 41-5/8 | E1296 | E1396 | E1296 | 410 | 525 | 585 | 410 | 525 | 585 | 410 | 525 | 585 |
| Micrometers | 23-5/8 x 47-5/8 | E2986 | E0491 | E2986 | 475 | 610 | 680 | 475 | 610 | 680 | 475 | 610 | 680 |
| Initial resistance, " w.g. | | | | | .48 | .61 | .68 | .40 | .51 | .57 | .32 | .40 | .45 |
| 99.99999 | 23-5/8 x 23-5/8 | E2786 | E0291 | E2786 | 220 | 285 | 315 | 220 | 285 | 315 | 220 | 285 | 315 |
| on | 23-5/8 x 35-5/8 | E-2886 | E0391 | E-2886 | 345 | 445 | 495 | 345 | 445 | 495 | 345 | 445 | 495 |
| 0.12 | 23-5/8 x 41-5/8 | E1296 | E1396 | E1296 | 410 | 525 | 585 | 410 | 525 | 585 | 410 | 525 | 585 |
| Micrometers | 23-5/8 x 47-5/8 | E2986 | E0491 | E2986 | 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

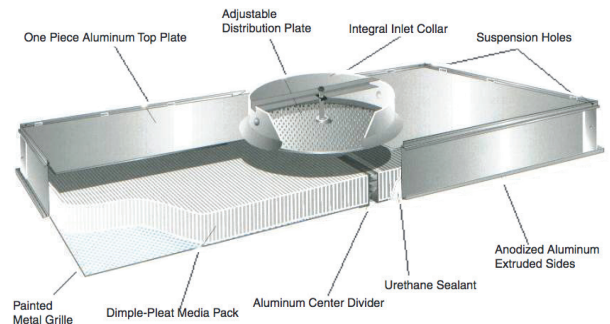
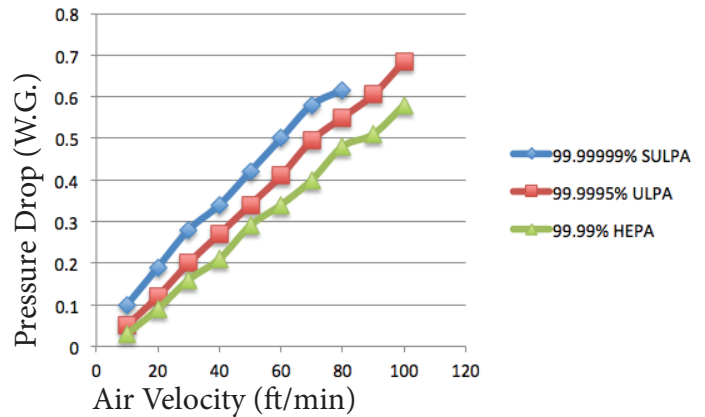
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Airex Filter Corporation

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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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.

| 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 |

Final Resistance

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

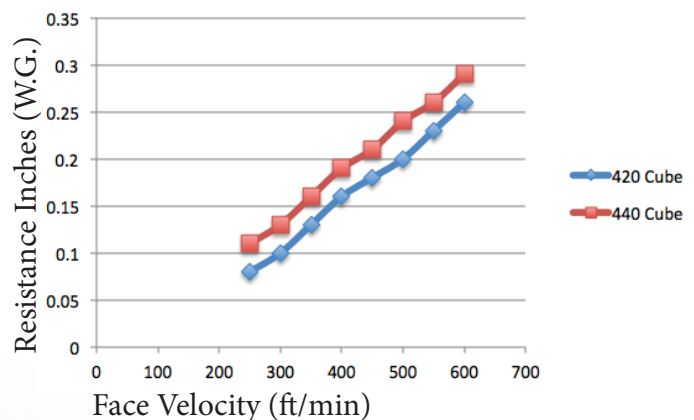


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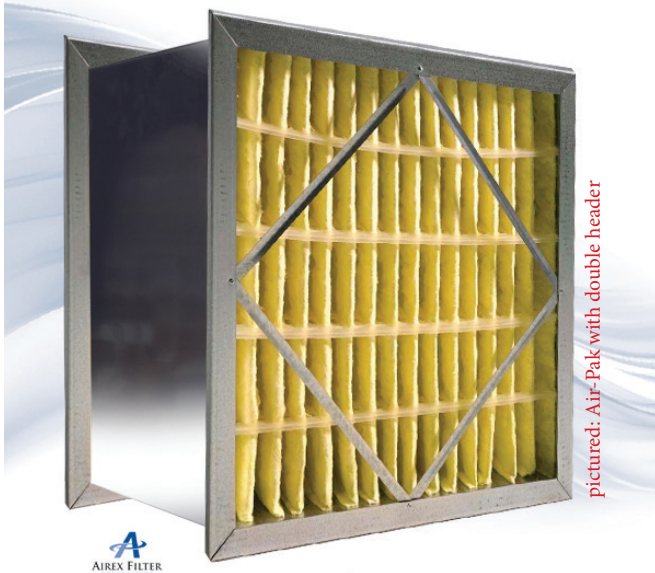
Airex Filter Corporation

Air-Pak Rigid Box

Medium & High Efficiency Air Filter

Available Options:

- Single Header
- Double Header
- No Header



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

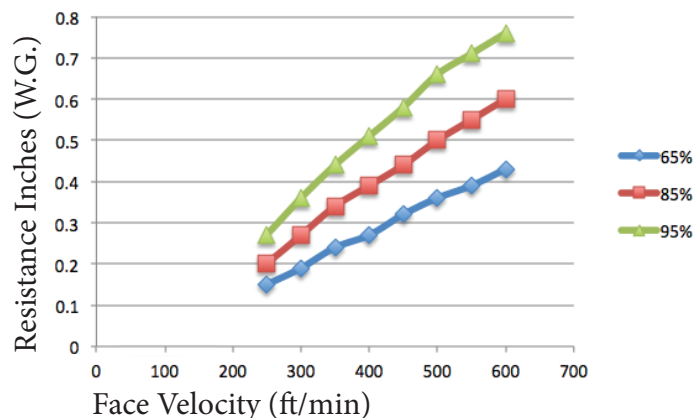
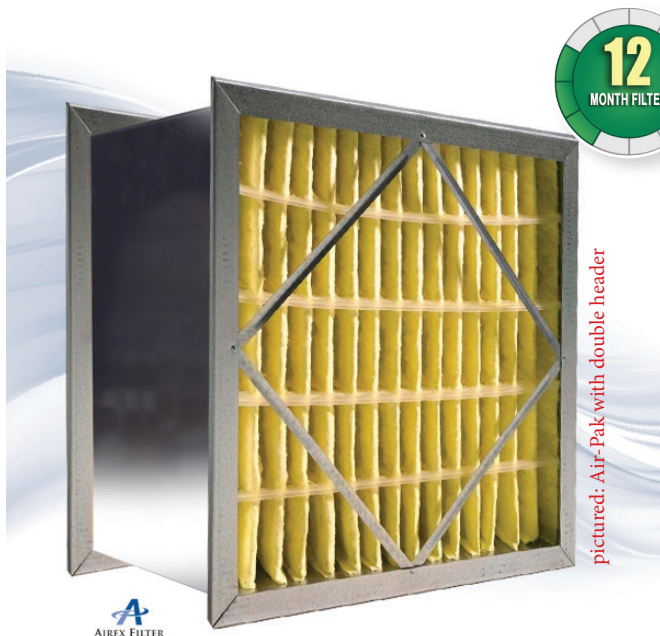
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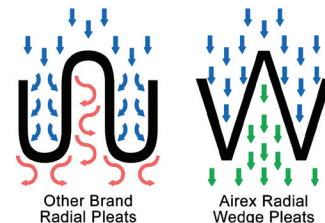
Airex Filter Corporation

Air-Pak Rigid Box

Medium & High Efficiency Air Filter

example part # **AP952412P**Media Type
(Polyester)**AP-95-24-12-P**Filter Series
(Air-Pak Series)Efficiency
(95% Efficient)Filter Height
(24" Height)Filter Depth
(12" Width)

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



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.

- 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 no header, single header and double header.
- Filters are completely rigid. MERV 10-15



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Airex Filter Corporation

Econocell-II

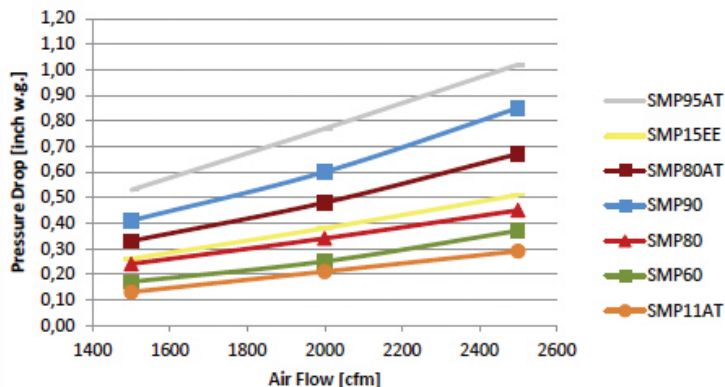
All Synthetic Mini Pleat Panel Filter



Available in Sizes:

1" - 2" - 4" - 6"

- Superior media area, compact size
- Wide range of efficiencies
- Improved frame rigidity
- Low storage and shipping costs
- Waterproof construction
- UL 900 Class 2 U.S. certified
- Inherent antimicrobial properties
- Completely hydrophobic



Information/technical data below reflect the 4" Econocell-II

Our 4 inch All Synthetic Mini Pleat Panel Filter gives you an incredible amount of media area having 4 to 5 times the area of most pleated filter of the same size. Together with being 100% waterproof and having industry leading product rigidity and blow out strength you will experience superior air quality and long service life. Airex Filters are built to last and perform even in the toughest applications.

DESIGN. Airex's 4 inch Mini Pleat Panel Filters feature synthetic microfiber filter media with a 3-dimensional, progressive design for optimum dust holding capacities. Our Econocell Filters even contain nanofibers which are uniquely integrated into the filter media to capture the smallest particles. All our fibers are produced in a solvent free, melt-based and environmentally friendly proprietary process and do not contain any chemical binder. The endless synthetic fibers are highly damage resistant and produce a filter that unlike other synthetic and fiberglass filters is totally non-shedding.

APPLICATIONS. Airex's 4 inch Mini Pleat Panel Filters are used in a variety of applications where technical reliability and a long service life are a must. From HVAC systems in office buildings, schools and factories to the extreme environment of hazardous waste removal and reclamation, Airex offers solutions for all your filtration challenges. The high efficiency Airex filters allow the replacement of glass fiber filters, even in sensitive applications such as the pharmaceutical industry, health care facilities and as prefilters in clean rooms. Airex services all applications with now downstream release of shedded fibers. Due to the 100% synthetic construction Airex offers unsurpassed performance in humid and wet environments and will not support microbial growth.

TECHNICAL DATA 4" Mini Pleat

| Product | MERV classification | Air Flow [cfm] | | |
|---------|---------------------|----------------|------|------|
| | | 1500 | 2000 | 2500 |
| SMP95AT | MERV 16/ 15-A | 0.53 | 0.77 | 1.02 |
| SMP15EE | MERV 15 | 0.26 | 0.38 | 0.51 |
| SMP80AT | MERV 14/ 13-A | 0.33 | 0.48 | 0.67 |
| SMP90 | MERV 14 | 0.41 | 0.60 | 0.85 |
| SMP80 | MERV 13 | 0.24 | 0.34 | 0.45 |
| SMP60 | MERV 12 | 0.17 | 0.25 | 0.37 |
| SMP11AT | MERV 11 | 0.13 | 0.21 | 0.29 |

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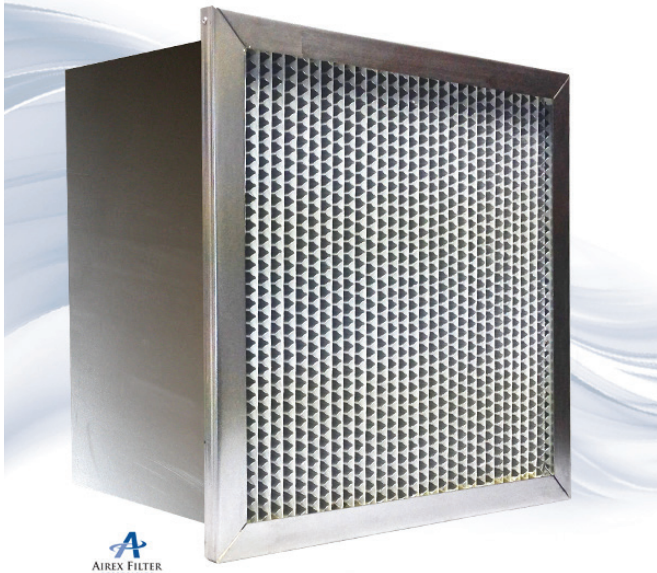
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Airex Filter Corporation

Econocell Rigid Box

Medium & High Efficiency Air Filter



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 | Unit Weight (LBS) | Airflow Capacity (CFM) | Initial Resistance | Unit Weight (LBS) |
| 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 |

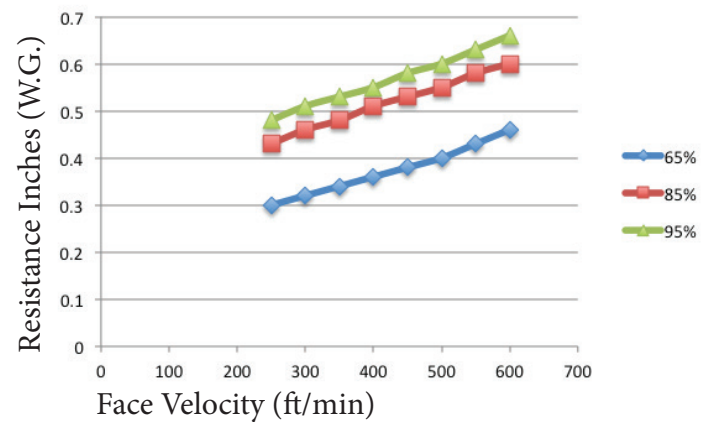
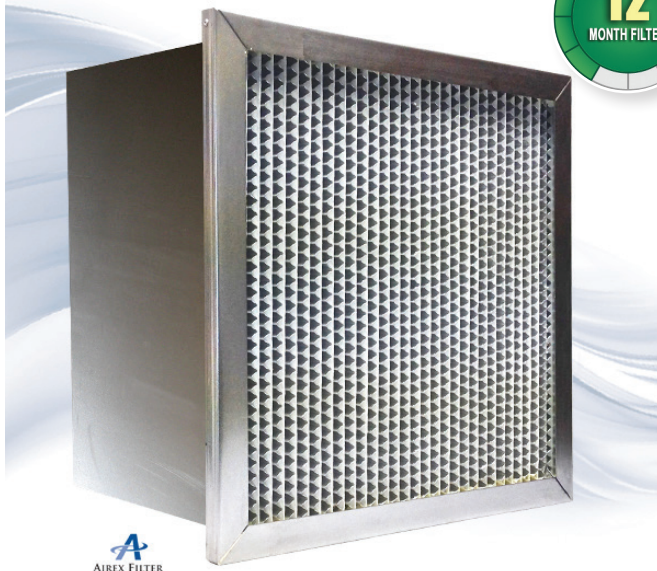


Final maximum recommended resistance is 1.50" W.G. System design may dictate lower change out point. Temperature range is 200 degrees fahrenheit intermittent and 150 degrees fahrenheit continuous. All listed efficiencies are averages according to ASHRAE standard 52-76.

Airex Filter Corporation

Econocell Rigid Box

Medium & High Efficiency Air Filter



- 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 2 Inch

Extended Surface Minipleat Filter



Airex Econocell-II 2" Mini Pleat Filter – MERV 15

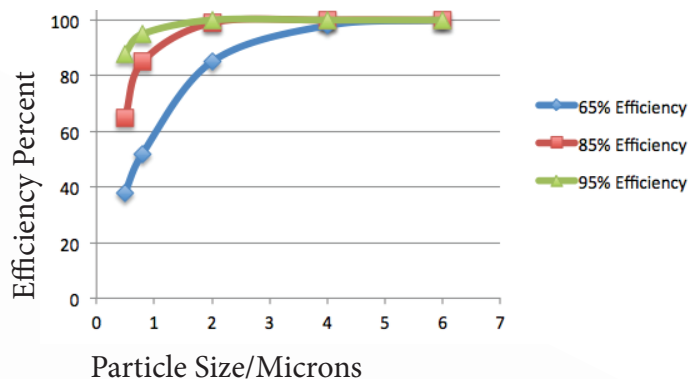
Airex Econocell-II 2" Mini Pleat Filters are an economical choice for extended surface, high-efficiency air filtration requirements. Each filter utilizes a technologically advanced media that incorporates a dual-layer, gradient-density fiber structure that results in exceptionally low airflow resistance, 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 2" Econocell-II Mini-Pleated Filter utilizes a geometrically formed pleat pack. Each pleat pack is further strengthened with a glue-bead separator. The pack is then sealed into a heavy-duty, moisture-resistant kraft board 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 Econocell-II 2" Mini-Pleated Filters are available in MERV 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 2" 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 2" 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 2" 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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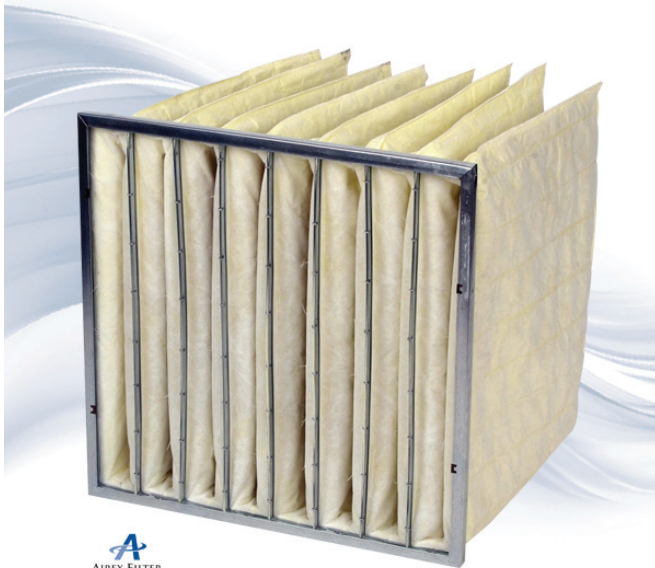
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Airex Filter Corporation

Enviro-Pak

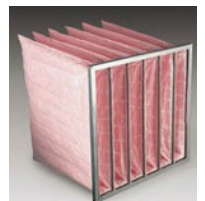
Medium & High Efficiency Bag Filter

**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 |



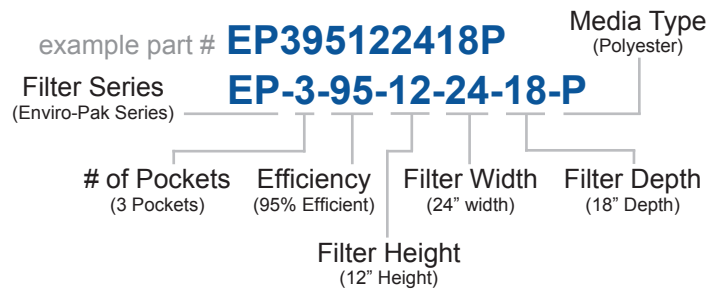
- Medium to High Efficiency per ASHRAE 52.1
- Open throat design for optimum air flow
- Galvanized steel header and J-channels for filter strength
- Available in a wide range of sizes
- Gasketing available
- Pocket support loops are available
- UL Class 2



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

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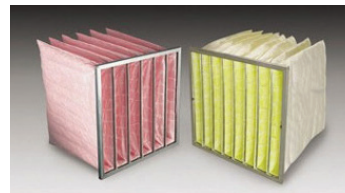
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Benefits

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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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.



Airex Filter Corporation

Superflow 24

High Velocity Low Airflow Resistance HEPA Filter

**AIREX FILTER**
CORPORATION

The Airex Filter SuperFlow 24 is a V-bed HEPA filter (99.99% at 0.30 micrometer) specifically designed for high airflow applications requiring HEPA efficiency at an ultra low-pressure drop. The SuperFlow 24 can be incorporated into systems with air velocities of 600 fpm and a pressure drop of 1" w.g.

Product Design

The SuperFlow 24 filters are manufactured with wet laid microfibre fiberglass media. The media is formed into a mini-pleat utilizing a hot melt separator and arranged in a V-bed configuration. There are twelve individual mini-pleat packs sealed on all four sides to the frame with two-component polyurethane. The frame is constructed of galvanized, aluminum, or stainless steel and consists of vertical support struts of the same material. Vertical supports are attached to the frame body without the use of mechanical fasteners. The vertical supports act as the sealing surface of the mini-pleat packs.

Product Options

The SuperFlow 24 filters are available in aluminum, galvanized, or stainless steel frames and with gasket seal or gel seal design. The SuperFlow 24 filters are UL 900 Classified.

Gasket Seal

The filter gasket is 1/4" x 3/4" black neoprene attached to the frame with an adhesive, and the gasket joints are dovetailed to ensure no penetration of particulate due to the gasket. The filter is designed for installation into front load holding frames, C-3 Gasket Seal Housing and Surelock-B Side Access Housing.

Gel Seal

The filter gasket is BluJel® filled into a channel around the perimeter of the frame. The gel seal design provides the highest degree of sealing integrity between the filter and holding device.

Longer Life – Gasket seal SuperFlow 24 filters have 400 sq. ft. of media compared to 240 sq. ft. for traditional HEPA filters. The greater media area provides a longer time period between filter replacements.

Improved Efficiency – The significant quantity of media translates into an extremely low media velocity. Therefore, a minimum overall efficiency of 99.99% at 0.30 µm is easily assured. Traditional HEPA filters have an overall efficiency of 99.97% at 0.30 µm.

Lower Operating Cost – The typical HEPA filter pressure drop can range from 1.4" w.g. to 1.8" w.g. at the rated airflow. The pressure drop of the SuperFlow 24 is 1" w.g. at the rated airflow.

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| | | | |
|---------------------------|------------------|-----------------|----------|
| Filter Depth | 12" | | |
| Media Type | Fiberglass | | |
| Frame Material | Galvanized Steel | Stainless Steel | Aluminum |
| Max Operating Temperature | 175°F (79°C) | | |



Airex Filter Corporation

Superflow Quad

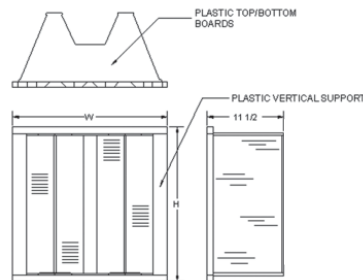
Medium & High Efficiency V-Bank Filter



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"

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

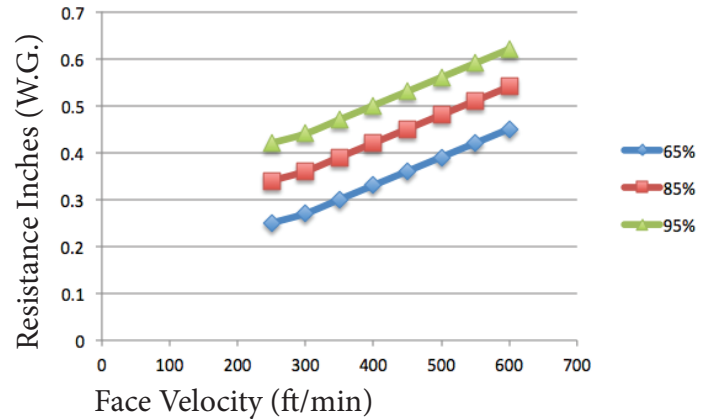
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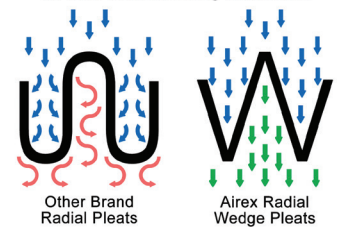
Airex Filter Corporation

Superflow Quad

Medium & High Efficiency V-Bank Filter

example part # **SFVQ952412****SFVQ-95-24-12**Filter Series
(Superflow Quad Series)Efficiency
(95% Efficient)Filter Depth
(12" Depth)Filter Width
(12" Width)Filter Height
(24" Height)

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



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- **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

Superflow V-Bank

Mini-Pleat Layered Synthetic Media



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 12-16. 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 MERV15-16 | .28" w.g. | .33" 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"

Reference: FTVB-AM4-M155-AAG

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

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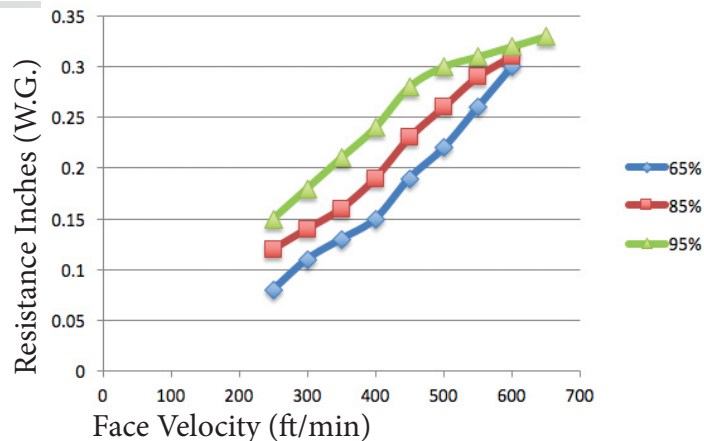
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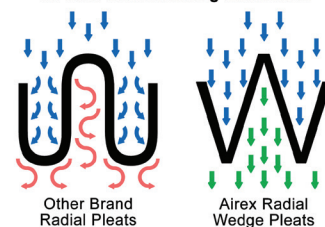
Airex Filter Corporation

Superflow V-Bank

Mini-Pleat Layered Synthetic Media

example part # **SFV952412****SFV-95-24-12**Filter Series
(Superflow V Series)Efficiency
(95% Efficient)Filter Depth
(12" Depth)Filter Width
(12" Width)Filter Height
(24" Height)

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

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. MERV 4-5 performance rating.

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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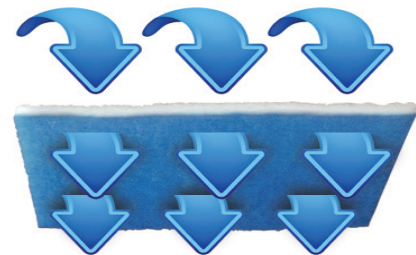
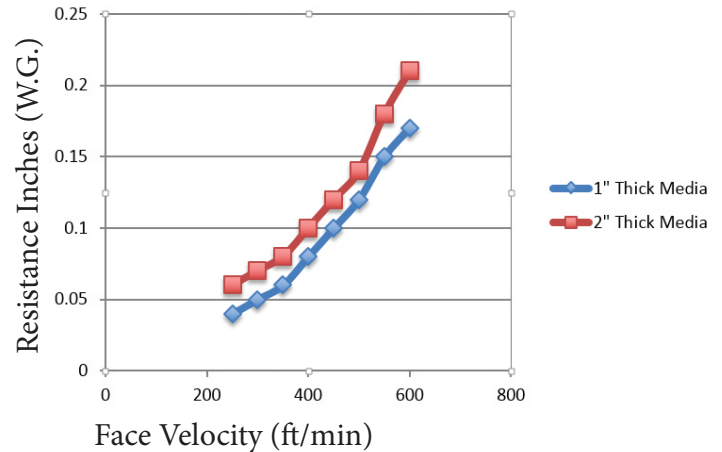
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Airex Filter Corporation

Polyester Media

Pads & Rolls - Dry & Tackified

example part # **1PROLL30-90****1-PROLL-30-90**Filter Thickness
(1" Media Thickness)Filter Media
(Polyester Roll)Filter Width
(30" Width (in.))Filter Length
(90' Length (ft.))

- 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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