



THE FILTER FACTORY, INC.

*“TAKING PRIDE
IN BRINGING YOU
QUALITY AIR FILTERS”*



2008 CATALOG

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To Our Valued Customers

The Filter Factory, Inc. is a filter manufacturer for special application air filters. Our selection of filter types has been established to provide advanced filtration alternatives to markets previously limited to old long held standards. We do not try to compete in the standard commercial filter market. We feel this market is over sold and doesn't need another competitor.

The Filter Factory, Inc. has an extremely experienced team in filter design and assembly. Our senior engineer has more than forty years of filter design and filter assembly experience and our senior manufacturing professional has more than thirty years of filter design and assembly experience. We feel confident in our ability to provide you with superior design and application assistance.

We are constantly striving to bring new products to our markets as well as new techniques in manufacturing that would bring savings to our customers. The quality that we build in to our products makes us a leader in our industry.

Customer service is a top priority in our organization. We take every opportunity to offer service to our customers; in might be tracking a shipment, finding a P/N, making prototypes, even referring a customer to another company if we cannot help you. We also spend time with people who just need information. Sometimes it's an engineer who needs technical data and sometimes it's a person who just cannot find a replacement filter. What is really important is we are here to help and everyone here enjoys their job for one reason, because they get the opportunity to help someone.

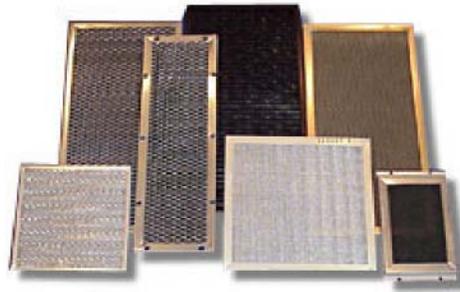
The Filter Factory, Inc. would like to thank you for taking the time to download our catalog for your future reference. Our catalog does change from time to time. Rarely do we remove filter selections, but as a growing company we do add to our selections frequently. We hope this catalog will be helpful and informative in your filtration decisions. However, if you cannot find the answer to your questions here, please contact us and give us the opportunity to help you personally.

Thank You,

L.Robert (Robin) Baker
President



Electronic Cabinet Filtration



GENERAL DESCRIPTION

FOILX air filters are composed of aluminum foil that has been slit and expanded. The filtration media for this filter consists of either flat expanded foil or layers of corrugated expanded foil, depending on frame thickness. The face grids are expanded aluminum.

APPLICATIONS

This filter is commonly used in electronic equipment, package air conditioning units, home heating and air conditioning central units and kitchen range hoods.

FINISHES

Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

TYPICAL SPECIFICATIONS

- Frame: .025 aluminum channel
- Closure: Aluminum blind rivet
- Filtration Media: Multiple layers of .002 slit and expanded aluminum foil
- Face Grids: Slit and expanded aluminum
- Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$
- Thickness: 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
(Other thicknesses may be available.)

EFFICIENCY

FOILX filtration media carries an Underwriters Laboratories 900 Class 1 listing.

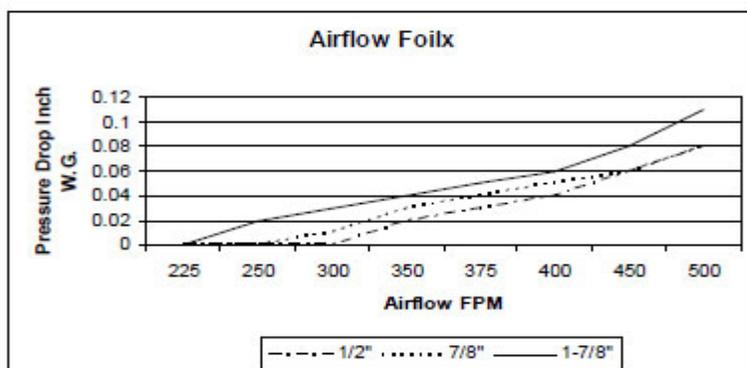
ASHRAE Standard 52

Average Arrestance: 1 - 73%

2 - 75%

Test conducted at 350 FPM

AIR FLOW





POLYX

GENERAL DESCRIPTION

POLYX air filters are made of progressively bonded uniform non-woven polyester filtration media and with expanded aluminum face grids. The polyester is manufactured using advanced technology air laid equipment. This process produces a media of high quality, uniformity, and excellent filtration performance.

APPLICATIONS

POLYX filters are frequently used in electronic cabinets where blowers are drawing air from the floor level or cabinets which are located in an office environment. Many are purchased to replace the foil media type filters electronic cabinets are fitted with by the manufacturers. This easily cleaned filter is also resistant to most inorganic alkalis, salts, and acids as well as commonly used organic chemicals. These filters are also used in air handling units and home forced air furnaces.

TYPICAL SPECIFICATIONS

Frame: .025 Aluminum channel
Closure: Aluminum blind rivet
Filtration Media: Non-woven polyester
Face Grids: Slit and expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)
Thicknesses $7/16$, $1/2$, $3/4$, $7/8$, $1\ 7/8$, $3\ 7/8$ (other thicknesses may be available)

FINISHES

Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

STANDARDS

POLYX filtration media carries an Underwriters Laboratories 900 Class 2 listing.

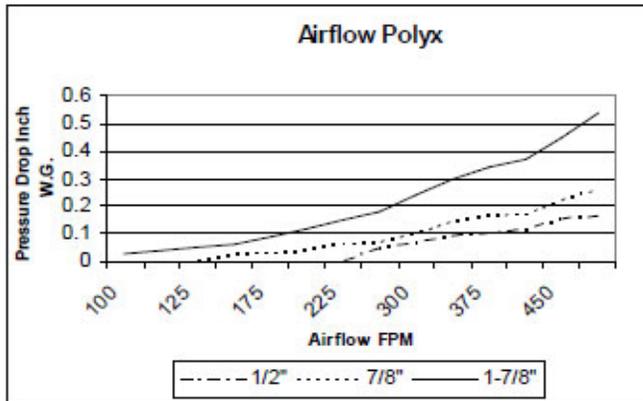
ASHRAE Standard 52

Size: $1/2$ " 1 "

Initial Resistance: .13 .17 in. w.g.

Average Arrestance: 60% 65

AIR FLOW





FOAMX

GENERAL DESCRIPTION

FOAMX filtration media is fully reticulated polyurethane filter foam. The face grids are expanded aluminum. Enclosing the foam and grids is an aluminum frame.

APPLICATIONS

The FOAMX has a wide variety of uses because of the porosity's available in the foam. The foam can be from 10 to 100 pores per lineal inch (PPI). As the PPI of the foam increases so does the air resistance. This type of filter is typically used in engine breathers, oil mist eliminators, muffin fan filters, and on electronic cabinets. The filter is not only effective but is also aesthetically pleasing with the black foam and the aluminum frame. These filters have been mounted on the front of many electronic cabinets as an appealing visual accent in addition to their functionality.

TYPICAL SPECIFICATIONS

Frame: .025 aluminum channel
Closure: Aluminum blind rivet
Filtration Media: 10 - 100 pores per lineal inch (PPI)
Face Grids: Slit and expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$
Thicknesses: 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
(other thicknesses may be available)

FINISHES

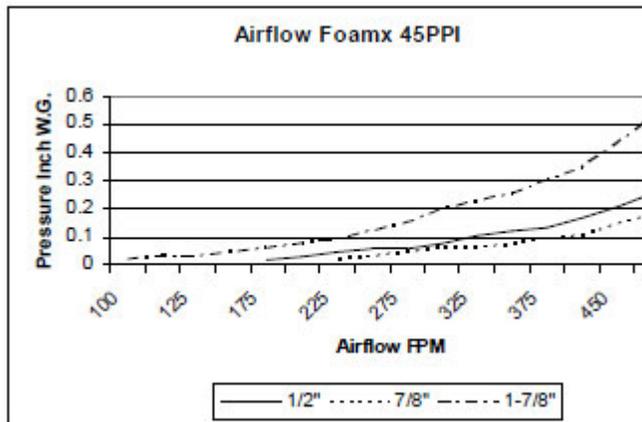
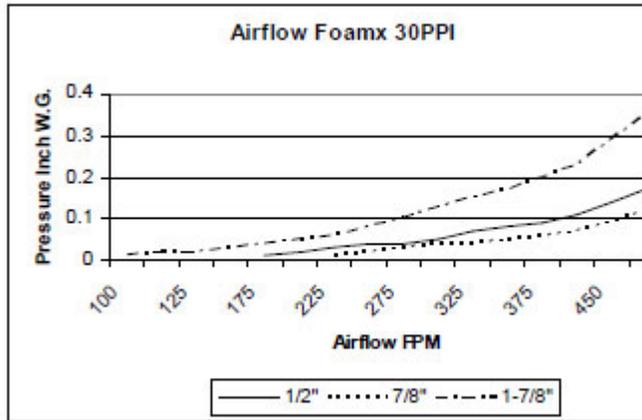
Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

STANDARDS

FOAMX filtration media carries an Underwriters Laboratories 900 Class 2 listing

ASHRAE Standard 52
Average Arrestance: 63%

AIR FLOW





TECHX

GENERAL DESCRIPTION

TECHX filtration media is a mixture of polypropylene and modacrylic fibers. The exchange of electric charge between these dissimilar materials produces stable static electric charges. This creates a greatly improved filtration media to trap fine particles. This media corrugated together with expanded metal makes up the inner layers of this filter. The face grids are made of heavy expanded aluminum in a one piece mitered corner aluminum frame held by an aluminum blind rivet.

APPLICATIONS

The Filter Factory is proud to offer this filter which exhibits excellent efficiencies and low resistance. This media has been used for respirators, room air purifiers and in the automotive industry for recirculating filters for cars. This media is capable of catching particles as small as cigarette smoke.

TYPICAL SPECIFICATIONS

Frame: .025 aluminum channel
Closure: Aluminum blind rivet
Filtration Media: Electrostat 90LR split fiber polyester
Face Grids: Slit and expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)
Thicknesses 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
(other thickness' may be available)

FINISHES

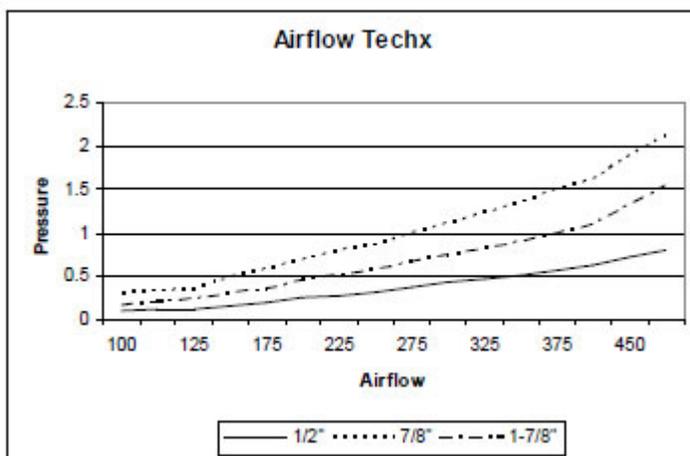
Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

EFFICIENCY

Minimum NaCL: 80%

Minimum DOP: 50%

AIR FLOW





SW/SWX

GENERAL DESCRIPTION

SW and SWX filtration media is either flat or corrugated wire cloth. The SW air filter is made up of all woven aluminum wire. The SWX air filter is made up of face grids of expanded aluminum and inner layer of woven aluminum wire.

APPLICATIONS

The SW and SWX have become an industry standard for durability and efficiency. This permanent washable filter offers relatively low resistance and high efficiencies at high velocities. The SW and SWX can be found in electronic cabinets, forced air heaters, electrostatic air cleaners and many more applications. This filter has been in use for more than 30 years and is still an excellent choice for a filter to remove large particles and stands up to cleaning year after year.

TYPICAL SPECIFICATIONS

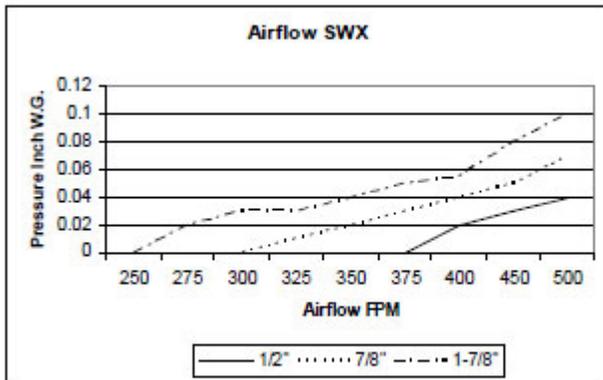
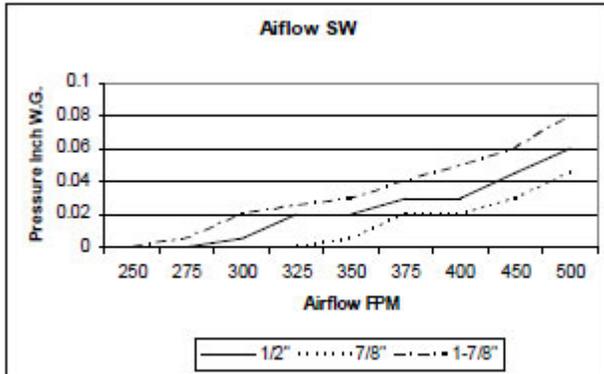
Frame: .025 aluminum channel
Closure: Aluminum blind rivet
Filtration Media: .010 strand 18 X 16 aluminum screenwire
SW Face Grids: Screenwire
SWX Face Grids: Slit and expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$
SW/SWX 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
Thicknesses: (Other thicknesses may be available.)

FINISHES

Chemical film, Clear or Gold Iridite, Clear or Black Anodize (available upon request)

SW/SWX

AIR FLOW





FOAMX-HF1

GENERAL DESCRIPTION

FOAMX/HF1 offers all the filtration characteristics of the rest of the FOAMX filter line with one added benefit, the UL 94 HF-1 certification. According to the Telcordia specifications all foamed polymers are to hold a UL 94 rating of not less than HF 1. The Filter Factory has received numerous requests for this grade of filtration protection for equipment using blowers to maintain optimum thermal and dust free conditions. The FOAMX-HF1 is available in our large variety thicknesses and any size or shape to fit your application.

APPLICATIONS

The FOAMX/HF1 is designed for applications where Telcordia NEBS specifications adherence is required. The rich black media offers an excellent finish to louvers and vents, which require low air flow resistance and protections from environmental contaminants.

TYPICAL SPECIFICATIONS

Frame: .025 or .040 3003H14 Rolled aluminum channel
Closure: 1 or 2 aluminum blind rivet
Filtration Media: 10 thru 100 PPI Black crest reticulated HF1 foam
Face Grids: .025 3003H14 Expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$

FINISHES

Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

STANDARDS

UL 900 Class II, UL 94 HF-1

CLASSIFICATIONS

Telcordia NEBS GR-63-Core
Telcordia NEBS GR-78-Core
FMVSS 302



Cabin Air Filtration





TECHX

GENERAL DESCRIPTION

TECHX filtration media is a mixture of polypropylene and modacrylic fibers. The exchange of electric charge between these dissimilar materials produces stable static electric charges. This creates a greatly improved filtration media to trap fine particles. This media corrugated together with expanded metal makes up the inner layers of this filter. The face grids are made of heavy expanded aluminum in a one piece mitered corner aluminum frame held by an aluminum blind rivet.

APPLICATIONS

The Filter Factory is proud to offer this filter which exhibits excellent efficiencies and low resistance. This media has been used for respirators, room air purifiers and in the automotive industry for recirculating filters for cars. This media is capable of catching particles as small as cigarette smoke.

TYPICAL SPECIFICATIONS

Frame: .025 aluminum channel

Closure: Aluminum blind rivet

Filtration Media: Electrostat 90LR split fiber polyester

Face Grids: Slit and expanded aluminum

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)

Thicknesses 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
(other thickness' may be available)

FINISHES

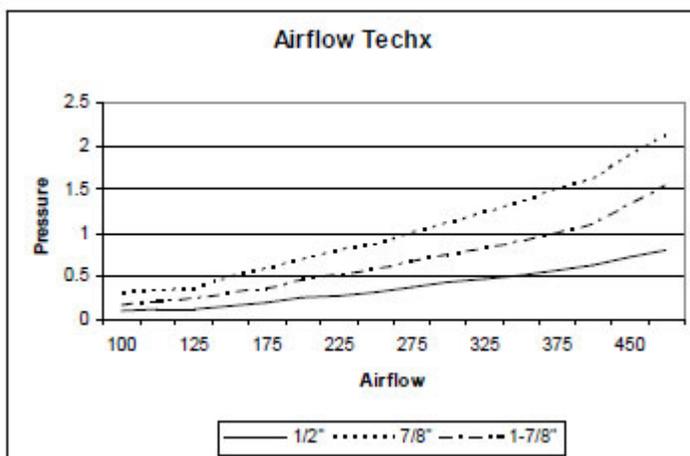
Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

EFFICIENCY

Minimum NaCL: 80%

Minimum DOP: 50%

AIR FLOW





COMBX

GENERAL DESCRIPTION

The COMBX is designed to fit your application in a variety of materials. We offer a wide selection of bonding materials and frame materials. The filter media is typically made up of three layers of particulate and odor filtration medias, most often a combination of laminated medias. These can be our standard webbing with carbon granules and electret or we can use HEPA media or we can use a tuned carbon media.

APPLICATIONS

COMBX filters are found where machine operators not only need protection from the hostile environments, but also require comfort to perform their daily work. This filter is usually found inside the cabin of their truck or tractor and offers filtration of not only particulate contamination but odors as well.

TYPICAL SPECIFICATIONS

Frame: Steel, Aluminum or Plastic

Closure: Solvent bonding or Rivets

Filtration Media: Webbing, Carbon Granules, Electret, Cellulose, HEPA media

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$

GASKET

Close cell neoprene with PSA one side (typical)



CELLX

GENERAL DESCRIPTION

The CELLX is designed to fit your application in a variety of materials. We offer a wide selection of bonding materials and frame materials. The filtration media is cellulose paper, which comes in a large range of efficiencies and resistances. You define shape, size, efficiency, and \or pressure drop. We can help you a little or a lot depending on your comfort with the engineering process.

APPLICATIONS

CELLX filters are found in environments where machine operators need protection from the hostile environments their equipment is built to work in. This filter is built to withstand the rough handling associated with frequent inspection and cleaning. A definite advantage of this filter is the flexibility in size, shape efficiency and pressure that we are able to offer.

TYPICAL SPECIFICATIONS

Frame: Galvanized Steel, Aluminum or Plastic
Closure: Solvent bonding or Rivets
Filtration Media: Vinyl Acetate Cellulose Paper Pleats
Face Grids: Slit and expanded galvanized steel
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$

GASKET

Close cell neoprene with PSA one side (typical)

FRAZIER PERMEABILITY

84 CFM



HEPAX

GENERAL DESCRIPTION

HEPAX air filters are a minimum of 99.97% efficient on .3 micron particles unless otherwise specified by the customer. The filtration media for these filters is micro glass fiber media. The filters are constructed in the minipleat design. We are not building filters with separators between the pleats. The frame material available for these filters is steel, aluminum, plastic, or wood. HEPAX is available in a variety of thicknesses determined by application. Gasket is usually neoprene, but is also available in IV2. Filters may be pressure tested and we also offer efficiency testing.

APPLICATIONS

The HEPAX is for applications where tolerances require cleanliness at the submicronic level. Traditionally the HEPA filter has been thought of as used in clean rooms and laminar flow benches, but over the years this level of cleanliness have been the backbone of much of the most advanced technology. All hard disk drives have a HEPA in them. Most laser equipment has HEPA's in them. Even vacuum cleaners boast HEPA filtration systems. They can be used in almost any application and where the cleanliness of the air source can improve the reliability and/or the accuracy of the product or process.

TYPICAL SPECIFICATIONS

- Frame: 26 ga. Galvanized Steel, .025 and .040 3003H14 Aluminum, or ABS Plastic
- Closure: Aluminum or steel blind rivet, staples, or solvent bonding
- Filtration Media: Micro Glass Fiber in latex binder paper
- Face Grids: If requested: slit and expanded aluminum
- Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)
- Potting: Urethane and other proprietary adhesives
- Gasketing: Neoprene and IV2

FINISHES

Chemical Film, Clear or Gold Iridite, and Clear or Black Anodize
(Available upon request for aluminum frame)

AIR FLOW & RESISTANCE

Air flow and resistance information will be determined after filter design.



HEPA Filters





HEPAX

GENERAL DESCRIPTION

HEPAX air filters are a minimum of 99.97% efficient on .3 micron particles unless otherwise specified by the customer. The filtration media for these filters is micro glass fiber media. The filters are constructed in the minipleat design. We are not building filters with separators between the pleats. The frame material available for these filters is steel, aluminum, plastic, or wood. HEPAX is available in a variety of thicknesses determined by application. Gasket is usually neoprene, but is also available in IV2. Filters may be pressure tested and we also offer efficiency testing.

APPLICATIONS

The HEPAX is for applications where tolerances require cleanliness at the submicronic level. Traditionally the HEPA filter has been thought of as used in clean rooms and laminar flow benches, but over the years this level of cleanliness have been the backbone of much of the most advanced technology. All hard disk drives have a HEPA in them. Most laser equipment has HEPA's in them. Even vacuum cleaners boast HEPA filtration systems. They can be used in almost any application and where the cleanliness of the air source can improve the reliability and/or the accuracy of the product or process.

TYPICAL SPECIFICATIONS

- Frame: 26 ga. Galvanized Steel, .025 and .040 3003H14 Aluminum, or ABS Plastic
- Closure: Aluminum or steel blind rivet, staples, or solvent bonding
- Filtration Media: Micro Glass Fiber in latex binder paper
- Face Grids: If requested: slit and expanded aluminum
- Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)
- Potting: Urethane and other proprietary adhesives
- Gasketing: Neoprene and IV2

FINISHES

Chemical Film, Clear or Gold Iridite, and Clear or Black Anodize
(Available upon request for aluminum frame)

AIR FLOW & RESISTANCE

Air flow and resistance information will be determined after filter design.



TECHX

GENERAL DESCRIPTION

TECHX filtration media is a mixture of polypropylene and modacrylic fibers. The exchange of electric charge between these dissimilar materials produces stable static electric charges. This creates a greatly improved filtration media to trap fine particles. This media corrugated together with expanded metal makes up the inner layers of this filter. The face grids are made of heavy expanded aluminum in a one piece mitered corner aluminum frame held by an aluminum blind rivet.

APPLICATIONS

The Filter Factory is proud to offer this filter which exhibits excellent efficiencies and low resistance. This media has been used for respirators, room air purifiers and in the automotive industry for recirculating filters for cars. This media is capable of catching particles as small as cigarette smoke.

TYPICAL SPECIFICATIONS

Frame: .025 aluminum channel

Closure: Aluminum blind rivet

Filtration Media: Electrostat 90LR split fiber polyester

Face Grids: Slit and expanded aluminum

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)

Thicknesses 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
(other thickness' may be available)

FINISHES

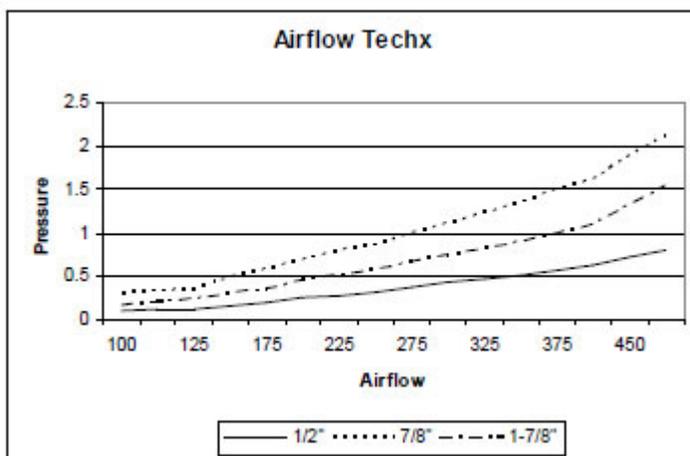
Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

EFFICIENCY

Minimum NaCL: 80%

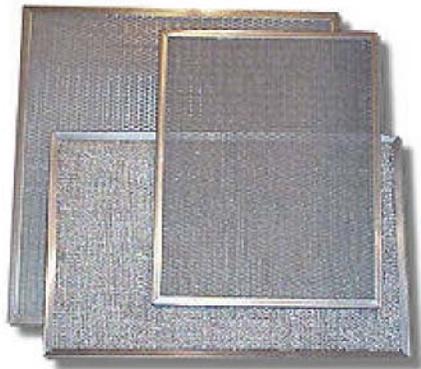
Minimum DOP: 50%

AIR FLOW





HVAC/Furnace Filters





INDX

GENERAL DESCRIPTION

INDX media consists of layers of corrugated wire cloth with face grids of expanded galvanized steel. They have either an aluminum or steel miter cornered channel frame.

INDX-A: Aluminum model

INDX-S: Steel model

APPLICATIONS

The INDX is a roughing filter, which removes the large contaminants from the air stream and to protect more expensive high efficiency filters. They are designed to have durable features and low resistance filtration media that lasts for years. These filters are also effective in grease removal such as commercial environments where cooking oils and grease create problems with flammable deposits in air exhaust systems. The INDX filters are made for applications where frequent cleanings are required and are available in either galvanized steel or aluminum constructions.

TYPICAL SPECIFICATIONS

Frame: 16ga. Galvanized Steel or .04 Aluminum

Closure: 1 - 2 Steel blind rivets or 1 - 2 aluminum blind rivets

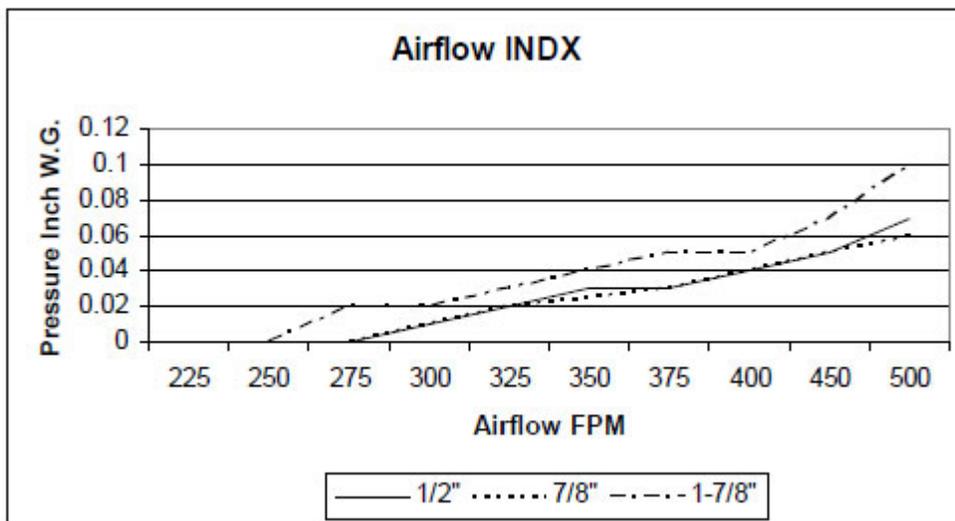
Filtration Media: Multiple layers corrugated woven wire

Face Grids: Slit and expanded galvanized steel

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$

Thicknesses: 1/2, 7/8, 1 3/4 (only available in these standard depths)

AIR FLOW





MISTX

GENERAL DESCRIPTION

The MISTX is designed to offer moisture or oil mist laden air cool metal surfaces to condense on which removes these corrosives from the air. The Mistx operates most effectively at 450 fpm to 550 fpm with an efficiency of >90% on moisture droplets > 20 micrometers. The filter also acts as a particulate filter due to its design of multiple layers of woven wire, which become wet as the filter starts removing moisture and oil from the air stream. Their construction of galvanized steel insures their long life even through rough handling and frequent cleaning.

APPLICATIONS

MISTX filters eliminate water droplets, oil mist, and grease from air streams in industrial and commercial environments. These filters are effective in applications where outside air may be moisture laden from fog or steam. The Mistx is effective on indoor air, which has oil mist, moisture, or grease from cooling coils, machining processes, evaporative processes, or commercial kitchens. This filter is designed to be installed with a drain system to remove unwanted moisture, oil, or grease condensation from the filter media.

TYPICAL SPECIFICATIONS

Frame: 16ga Galvanized steel

Closure: 2 Steel blind rivets

Filtration Media: Layers of expanded aluminum and screenwire

Face Grids: Slit and expanded galvanized steel, five 3/8" drain holes

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)

GASKET

(one side – optional)

1/2 x 1/8 Close cell neoprene with PSA one side (typical)

STANDARD SIZES

24 x 24 x 2

12 x 24 x 2

24 x 12 x 2

With or without gasket



POLYX

GENERAL DESCRIPTION

POLYX air filters are made of progressively bonded uniform non-woven polyester filtration media and with expanded aluminum face grids. The polyester is manufactured using advanced technology air laid equipment. This process produces a media of high quality, uniformity, and excellent filtration performance.

APPLICATIONS

POLYX filters are frequently used in electronic cabinets where blowers are drawing air from the floor level or cabinets which are located in an office environment. Many are purchased to replace the foil media type filters electronic cabinets are fitted with by the manufacturers. This easily cleaned filter is also resistant to most inorganic alkalis, salts, and acids as well as commonly used organic chemicals. These filters are also used in air handling units and home forced air furnaces.

TYPICAL SPECIFICATIONS

Frame: .025 Aluminum channel
Closure: Aluminum blind rivet
Filtration Media: Non-woven polyester
Face Grids: Slit and expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)
Thicknesses: 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8 (other thicknesses may be available)

FINISHES

Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

STANDARDS

POLYX filtration media carries an Underwriters Laboratories 900 Class 2 listing.

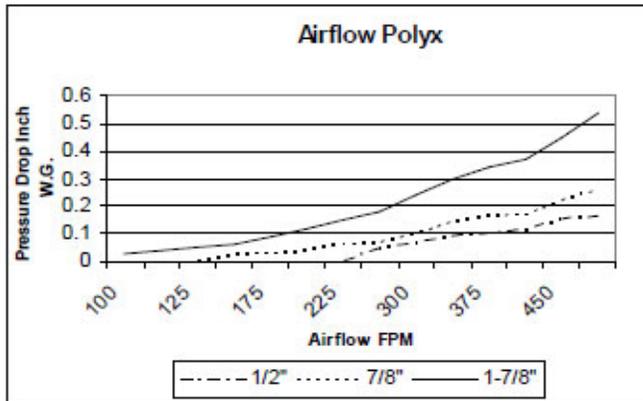
ASHRAE Standard 52

Size: 1/2" 1"

Initial Resistance: .13 .17 in. w.g.

Average Arrestance: 60% 65

AIR FLOW





ECONX

GENERAL DESCRIPTION

ECONX air filters are composed of progressive density laminated expanded aluminum foil media. The filtration media is made up of multiple layers of expanded aluminum foil held together by a binder material, depending on frame thickness this filter may consist of either one or two layers. Frame is a miter cornered aluminum channel secured by an aluminum blind rivet.

APPLICATIONS

This filter is commonly used in electronic equipment, package air conditioning units, home heating and air conditioning & heating central units and many other applications where large particles may be an issue. This filter is also relatively easy to clean. This filter is built in stock sizes and specialty sizes as well.

TYPICAL SPECIFICATIONS

Frame: .025 Aluminum channel
Closure: Aluminum blind rivet
Filtration Media: Progressive density laminated expanded foil pad
Face Grids: Slit and expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$
Thicknesses: $1/2$, $3/4$, $7/8$, $1 7/8$ (other thicknesses may be available)

FINISHES

Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

STANDARDS

ECONX filtration media carries an Underwriters Laboratories 900 Class 2 listing.

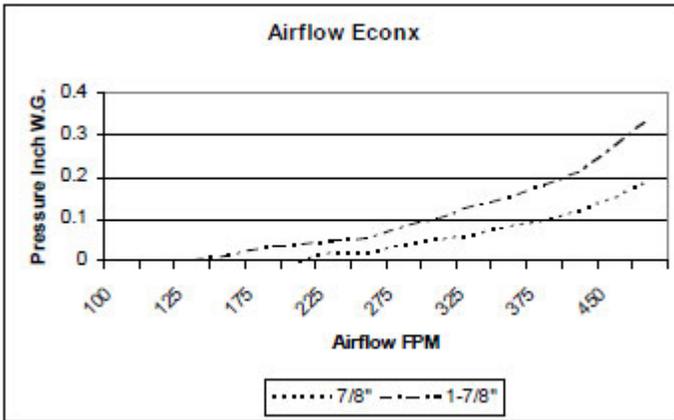
ASHRAE Standard 52

1 2

Average Arrestance: 50% 57%

Test conducted at 350 FPM

AIR FLOW



STANDARD SIZES

- 12 x 24 x 1 or 2,
- 16 x 20 x 1 or 2,
- 16 x 25 x 1 or 2,
- 20 x 20 x 1 or 2,
- 20 x 25 x 1 or 2,
- 24 x 24 x 1 or 2



ELECTRX

GENERAL DESCRIPTION

The ELECTRX is designed to be the filter you depend on for years of service. We build this filter with heavy-duty frame and face grids to provide protection from frequent cleanings. The business end of this filter is made of multiple layers of either reticulated foam or random fiber polyester and antimicrobial polypropylene. These combinations offer the highest static electric charge possible for this type of media construction.

APPLICATIONS

ELECTRX filters are used in environments where pollen or dust tend to be a problem. The low resistance to airflow and increased efficiency makes this filter is an excellent choice for residential applications. The ELECTRX filter has increased efficiency because it does not depend on strictly the mechanical method of particulate control. Its dissimilar plastic medias create a static charge that enhances the filter's ability to trap and hold dust. This filter is built to withstand years of cleaning.

TYPICAL SPECIFICATIONS

Frame: .025 Aluminum

Closure: 1 – 2 Aluminum rivets

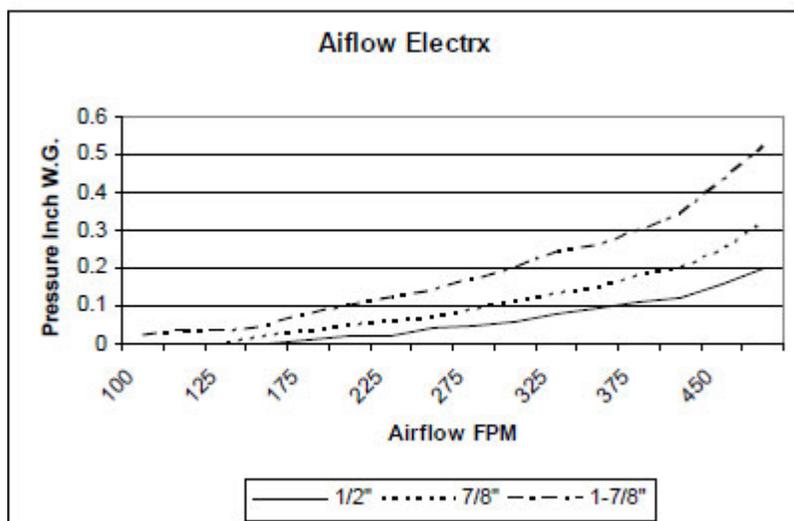
Filtration Media: Random fiber polyester, reticulated foam, antimicrobial polypropylene

Face Grids: Slit and expanded galvanized steel

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$

Thicknesses 1/2, 7/8, 1 3/4

AIR FLOW





TECHX

GENERAL DESCRIPTION

TECHX filtration media is a mixture of polypropylene and modacrylic fibers. The exchange of electric charge between these dissimilar materials produces stable static electric charges. This creates a greatly improved filtration media to trap fine particles. This media corrugated together with expanded metal makes up the inner layers of this filter. The face grids are made of heavy expanded aluminum in a one piece mitered corner aluminum frame held by an aluminum blind rivet.

APPLICATIONS

The Filter Factory is proud to offer this filter which exhibits excellent efficiencies and low resistance. This media has been used for respirators, room air purifiers and in the automotive industry for recirculating filters for cars. This media is capable of catching particles as small as cigarette smoke.

TYPICAL SPECIFICATIONS

Frame: .025 aluminum channel

Closure: Aluminum blind rivet

Filtration Media: Electrostat 90LR split fiber polyester

Face Grids: Slit and expanded aluminum

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$ (closer tolerances may be available)

Thicknesses 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
(other thickness' may be available)

FINISHES

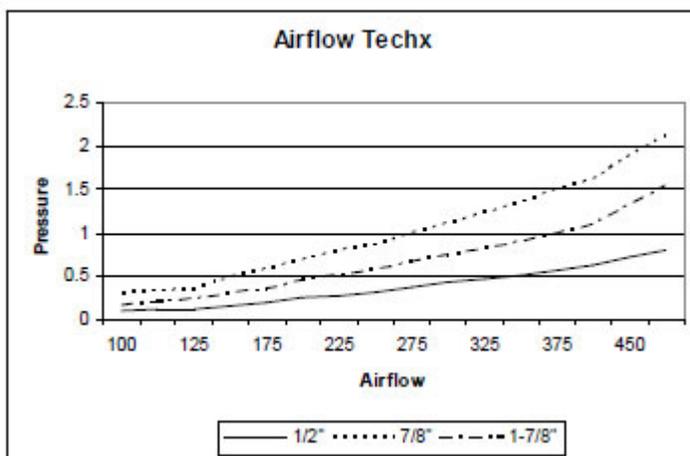
Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

EFFICIENCY

Minimum NaCL: 80%

Minimum DOP: 50%

AIR FLOW





Rangehood Filters



GENERAL DESCRIPTION

FOILX air filters are composed of aluminum foil that has been slit and expanded. The filtration media for this filter consists of either flat expanded foil or layers of corrugated expanded foil, depending on frame thickness. The face grids are expanded aluminum.

APPLICATIONS

This filter is commonly used in electronic equipment, package air conditioning units, home heating and air conditioning central units and kitchen range hoods.

FINISHES

Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

TYPICAL SPECIFICATIONS

Frame: .025 aluminum channel

Closure: Aluminum blind rivet

Filtration Media: Multiple layers of .002 slit and expanded aluminum foil

Face Grids: Slit and expanded aluminum

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$

Thickness: 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
(Other thicknesses may be available.)

EFFICIENCY

FOILX filtration media carries an Underwriters Laboratories 900 Class 1 listing.

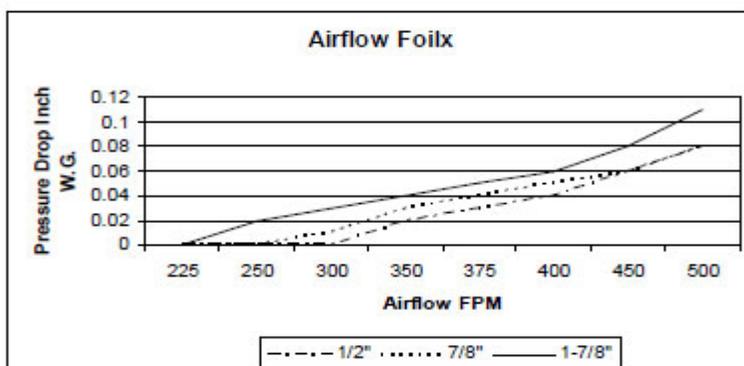
ASHRAE Standard 52

Average Arrestance: 1 - 73%

2 - 75%

Test conducted at 350 FPM

AIR FLOW





SW/SWX

GENERAL DESCRIPTION

SW and SWX filtration media is either flat or corrugated wire cloth. The SW air filter is made up of all woven aluminum wire. The SWX air filter is made up of face grids of expanded aluminum and inner layer of woven aluminum wire.

APPLICATIONS

The SW and SWX have become an industry standard for durability and efficiency. This permanent washable filter offers relatively low resistance and high efficiencies at high velocities. The SW and SWX can be found in electronic cabinets, forced air heaters, electrostatic air cleaners and many more applications. This filter has been in use for more than 30 years and is still an excellent choice for a filter to remove large particles and stands up to cleaning year after year.

TYPICAL SPECIFICATIONS

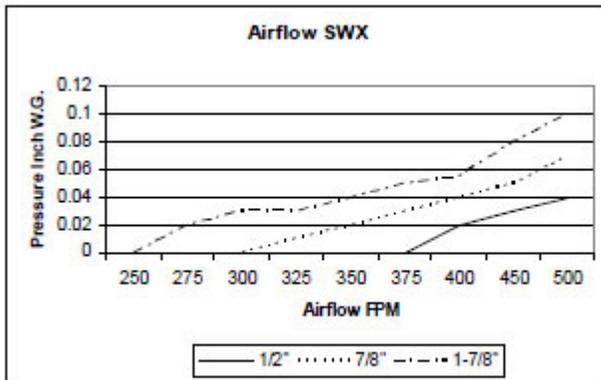
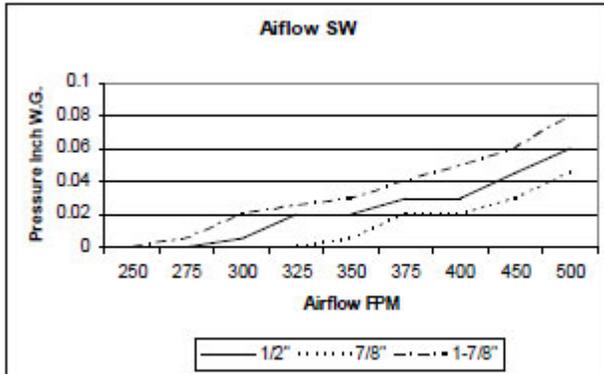
Frame: .025 aluminum channel
Closure: Aluminum blind rivet
Filtration Media: .010 strand 18 X 16 aluminum screenwire
SW Face Grids: Screenwire
SWX Face Grids: Slit and expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$
SW/SWX 3/32, 1/4, 5/16, 3/8, 7/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8
Thicknesses: (Other thicknesses may be available.)

FINISHES

Chemical film, Clear or Gold Iridite, Clear or Black Anodize (available upon request)

SW/SWX

AIR FLOW





EXMET

GENERAL DESCRIPTION

EXMET filtration media consists of layers of slit and expanded aluminum. Inner layers are flat or corrugated grids of expanded aluminum. Face grids are heavy expanded aluminum. Frame is aluminum channel.

APPLICATIONS

This type of panel pre-filter is particularly suitable in applications where frequent servicing and rough handling may occur. Low resistance and heavy duty construction make the EXMET an excellent large particle filter where ease of cleaning is necessary. Frequent washings do not affect the media. EXMET filters are commonly used in air handling units and ahead of bag filter banks where extended media filters offer too much pressure drop. Another common application for this filter type would be as a grease filter.

TYPICAL SPECIFICATIONS

Frame: .025 aluminum channel

Closure: Aluminum blind rivet

Filtration Media: Layers of expanded aluminum together

Face Grids: Slit and expanded aluminum

Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$

Thicknesses: 3/8, 3/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8 (Other thicknesses may be available.)

FINISHES

Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

STANDARDS

ASHRAE Standard 52

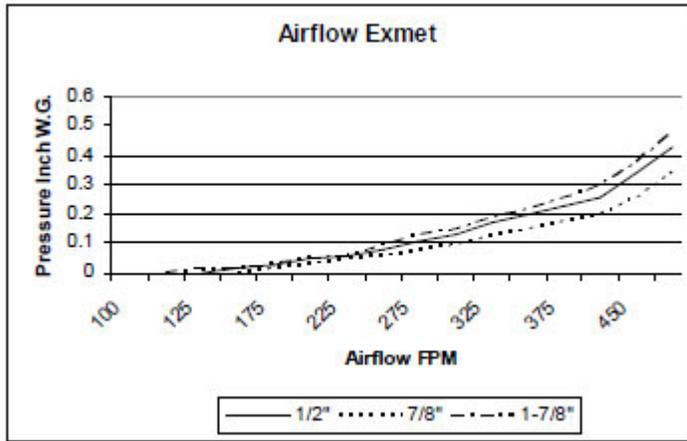
EXMET filtration media carries an Underwriters Laboratories 900 Class 1 listing

ARRESTANCE EFFICIENCY

1" - 73%

2" - 75%

AIR FLOW





CARBX

GENERAL DESCRIPTION

CARBX filters have filtration media which is composed of two parts. A coated non-woven polyester media, which has an inherent captive capillary effect for particles and an activated carbon surface area exposure for maximum adsorption efficiency. The media is encapsulated by expanded aluminum face grids and an aluminum frame.

APPLICATIONS

The CARBX is designed to meet the challenge of improving indoor air quality. It can be used anywhere fumes and odors are perceived as a nuisance. These filters are typically used in motels, hotels, airports, doctor's offices, office buildings, homes, restaurants, and many other facilities.

TYPICAL SPECIFICATIONS

Frame: .025 aluminum channel
Closure: Aluminum blind rivet
Filtration Media: Non-woven carbon impregnated polyester
Face Grids: Slit and expanded aluminum
Tolerances: Length $\pm 1/16$, width $\pm 1/16$, thickness $\pm 1/32$
Thicknesses: 3/8, 3/16, 1/2, 3/4, 7/8, 1 7/8, 3 7/8 (Other thicknesses may be available.)

FINISHES

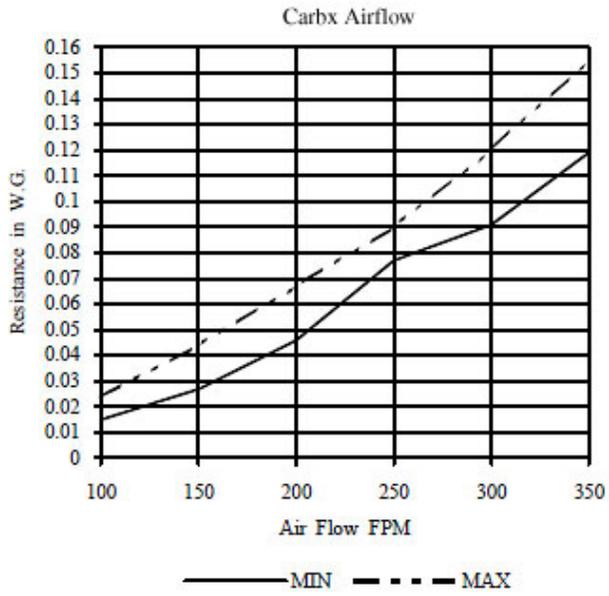
Chemical film, Clear or Gold Irridite, Clear or Black Anodize (available upon request)

STANDARDS

CARBX filtration media carries an Underwriters Laboratories 900 Class 2 listing
ASHRAE Standard 52
Average Arrestance: 86%
Test conducted at 500 FPM

The Filter Factory uses two carbon impregnated medias: Polysorb and Gray Matter

AIR FLOW



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