KOCH FILTER®
PURE PERFORMANCE

The Most Complete Line of

Air Filtration Products

Commercial | Industrial | Hospital
Gas Turbine | Paint Filtration Applications

Bulletin No. K-APB6

About Our Company

Koch Filter is a world-class manufacturer of air filtration products. Founded in 1966 by Joseph Koch, **Koch Filter** is recognized globally for its premier brand of high efficiency air filtration products and the industry's broadest range of air filters for any application.

Louisville, KY Headquarters

Koch Filter is headquartered in Louisville, KY where corporate offices, modern manufacturing plant and extensive warehousing facilities are combined into a 500,000 sq.ft. complex.

Houston, TX Manufacturing Plant

Our Houston facility serves our customers throughout the southwestern United States and Mexico.

Mira Loma, CA Manufacturing Plant

Our manufacturing facility in southern California (25 miles east of Los Angeles) provides prompt service to our customers in the western United States.

East Greenville, PA Manufacturing Plant

Our East Greenville facility (located between Philadelphia and Allentown) serves our customers in the northeastern United States and Canada.

These manufacturing facilities, combined with our strategically located sales offices, ensure exceptional service and technical support for our customers anytime, anywhere.

Quality Assurance Program

Koch Filter maintains an ongoing Quality Assurance Program (QAP) to ensure complete customer satisfaction with every filter we ship. This program encompasses the entire manufacturing process, beginning with close inspection by experienced personnel of all raw materials as they arrive. Once a component material passes this rigid initial review, a continuing examination process follows each filter through all phases of production, including the final packaging stage. Labels indicating production dates, personnel involved, and other information pertinent to the QAP are attached to most products before they leave the plant.

As the final step in the QAP, finished filters undergo rigorous in-house performance tests. Internal results are regularly verified by independent laboratories in tests conducted according to current ASHRAE Standards.

The Quality Assurance Program is a primary reason for **Koch Filter's** ability to provide the most complete line of high quality air filtration products available.

Koch Green... What does it mean?

Our customers regularly ask how air filtration, and Koch Filter's product line in particular, fits into the ever-growing "green building" concept.

Koch Filter ses the Koch Green Icon to designate products within our line that contribute to a sustainable environment in various ways. Whenever you see the Green Icon, you will know that product meets or exceeds our criteria in one or more of the following categories:

- Earns LEED Points
- Reduces Energy Cost
- Extends Filter Lifecycle
- Conserves Resources
- Improves Indoor Environmental Quality

Using the Green Icon is a great way to let your customers know exactly which Koch products can be considered "green". And with our Energy Savings and Lifecycle Calculator and other selling tools provided by Koch, you'll be able to tell them why our filter has earned the use of the Koch Green Icon! See **Bulletin: K-GPG10** for complete GREEN product offering.

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Energy Star Partner and Service and Product Provider (SPP)

Koch Filter joins ENERGY STAR as a Partner and makes a fundamental commitment to protect the environment through the continuous improvement of our energy performance. We believe that an organization-wide energy management approach will help us enhance our financial health and aid in preserving the environment for future generations. We understand that our commitment to measure, track, and improve the energy performance of our organization is supported by the resources and tools offered through ENERGY STAR. In addition, we understand that we will be recognized on the ENERGY STAR web site as a Partner, Service and Product Provider and as a supporter of ENERGY STAR.

Distribution Network

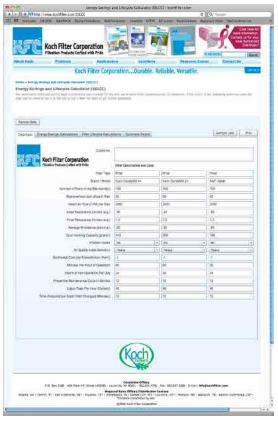
Koch Filter presently supplies high quality air filtration products to customers throughout North America and around the world. To ensure the prompt availability of the complete Koch Filter Corporation product line, we have developed a large and effective network of trained field representatives and distributors. Supported by our multiple manufacturing sites, this experienced sales team is always ready to offer solutions to any air filtration problem, regardless of the customer's location. Our total line of high quality products, supported by our years of filtration manufacturing experience, make **Koch Filter** the only source you will ever need for replacement air filters.

Helping Our Customers Save Money

Koch Filter, in conjunction with one of our top-tier authorized distributors, evaluated a gas turbine operation owned and operated by a Fortune 50 customer. Our analysis determined that their gas turbine's air intake system was undersized for the volume of airflow. Further study indicated that the prefilters in the system carried a high resistance to airflow. Combined, these factors were "starving" the turbine for air, resulting in increased energy costs and reduced efficiency of the turbine. By replacing these high resistance filters with Koch products designed specifically for turbine applications, the problems were eliminated and a significant energy savings was achieved.

Training, Technical Services, Filtration Solutions and More...

In addition to our complete range of air filtration products, **Koch Filter** offers a full menu of value-added services. Filtration Training Seminars, webCLASSes, the Energy Savings and Lifecycle Calculator (ESLC), Filter Lifecycle Comparisons, Paint Defect Analysis, System Surveys and Analysis and a variety of other field services are offered to enhance our value to our distributors and customers around the world.



Energy Savings and Lifecycle Calculator at www.kochfilter.com

Applications

Hospital, pharmaceutical, and clean room applications

Office buildings, sports arenas, universities and commercial facilities of all types

Industrial plants and gas turbine applications

Paint overspray and industrial finishing applications

Airports, museums and other carbon and gas phase filtration applications

A Complete Line of Air Filtration Products

Our most popular pleated filters

Multi-Pleat XL8

MERV 8 Extended Surface Pleated Panel Filters

- MERV 8 and MERV-A 8 performance ratings.
- Mechanical MERV 8 media is not reliant on electrostatic charge for efficiency.
- Low resistance to airflow.
- High dust holding capacity.
- Sturdy double-wall frame design.
- Moisture-resistant beverage board frame.
- Standard and High Capacity models.
- Available in 1", 2", 4" and 6" depths.
- UL Classified

ASHRAE Efficiency: 30–35%
MERV Performance Rating: 8
Consult Bulletin: K-100B

Multi-Sak

Extended Surface Pocket Filters

- Versatile pocket filter provides economical high efficiency filtration in commercial and industrial HVAC systems of all types.
- Two media options, Series S synthetic and Series G microfiberglass.
- Exclusive Triple-Lock construction technique for added durability and longevity.
- Unique span-stitch design is sealed with thermoplastic adhesive bead to eliminate air bypass and leakage.
- Standard 13/16" header. 1 -1/8" thickness also available.
- UL Classified.

ASHRAE Efficiencies: 35%, 50%, 65%, 85%, 95%
MERV Performance Rating: 8–15
Consult Bulletin: K-228-B

Multi-Flo

Rigid Air Filters

- Designed for use in variable-air-volume systems and HVAC applications of all types.
- Sturdy, lightweight galvanized steel cell sides.
- Two media options: Series S synthetic and Series G microfiberglass.
- Single header and no-header styles.
- UL Classified.

ASHRAE Efficiencies: 45%, 65%, 85%, 95%.
MERV Performance Rating: 10–15
Consult Bulletin: K-228-C

DuraMAX 2v & DuraMAX 4v

Minipleat Filters

- 12" deep, extended surface minipleat V-style filter provides unequaled combination of low resistance to airflow, high efficiency, and prolonged filter life.
- Minipleat 2v design packs 110 ft^2 of media and 4v design packs 194 ft^2 of media in a 24x24x12 frame.
- Rugged, lightweight plastic frame is 100% incinerable.
- Several standard sizes available.
- UL Classified.

ASHRAE Efficiencies: 65%, 75%, 85%, 95%, 98%
MERV Performance Rating: 11–16
Consult Bulletins: K-1205B (DuraMAX 2V), K-996B (DuraMAX 4v)

Koch ICF™ Industrial Cartridge Filters

- Multiple media, core and end cap options for different environments.
- Durable construction with high moisture-resistance.
- Replaces OEM manufactured filters.
- Uniform pleat spacing.

MERV Performance Rating: 11-15
Consult Bulletin: PB-798-20

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Multi-Cell

Rigid Air Filters

- Designed for use in variable-air-volume systems and HVAC applications of all types.
- Microfiberglass media with Double-Edge™ corrugated aluminum separators.
- Available in economy model LC Rigid with reduced media area.
- Metal or wood cell sides. Other specialized cell sides available.
- Single header, double header, and no-header styles.
- UL Classified.

ASHRAE Efficiencies: 65%, 85%, 95%
MERV Performance Rating: 11–15
Consult Bulletins: K-787B, K-12002

MicroMAX, MicroMax PL, MicroMAX EDGE

Minipleat Filters

- Extended surface air filters which utilize revolutionary minipleat technology to achieve high efficiencies and low pressure drop.
- Available in 2", 4" and 6" depths.
- Compact, space-saving depth has 125 ft^2 media in a 24x24" filter.
- Moisture-resistant beverage board, galvanized, or plastic frame.
- No-header and single header styles.
- UL Classified.

ASHRAE Efficiencies: 65%, 85%, 95%
MERV Performance Rating: 11–15
Consult Bulletin: K-195-B

Maxi-Grid

Internally Supported Panel Filters

- Internally supported polyester panel filters designed for general HVAC, paint spray booths, and fan coil units.
- 5 styles available: MG200 3 Ply, MG300 3 Ply, MG400 4 Ply, MG550 3 Ply, and MG600 Diffusion Panel.
- Self-sealing design eliminates air bypass, no clips required.
- Available in single panels and link panels.
- Excellent for rooftops and other high moisture applications.
- Slip-On Sleeve style also available.
- UL Classified.

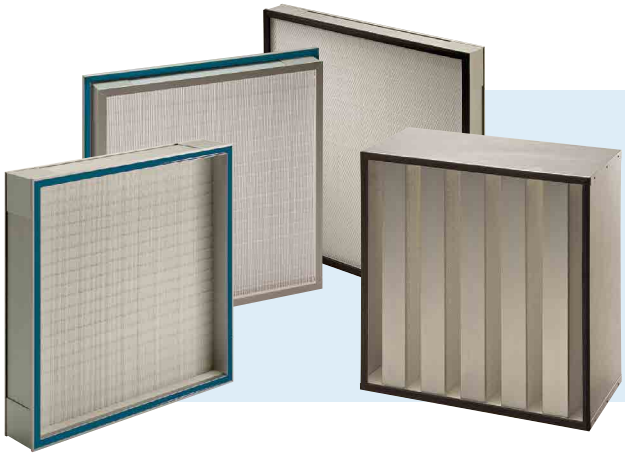
ASHRAE Efficiencies: 20%–60%
MERV Performance Rating: 7–11
Consult Bulletins: K-902, PB-798-3

BioMAX

HEPA Filters

- BioMAX HEPA filters provide the contaminant-free air required in many industrial, medical and pharmaceutical applications.
- Microfiberglass media with Double-Edge™ corrugated aluminum separators.
- Metal or wood cell sides.
- Standard Capacity (1100 CFM) or High Capacity (2000 CFM) available.
- UL Classified.

Efficiency Range: 95%–99.999% PAO (Polyalphaolefin) @ .3 micron particles
Consult Bulletin: K-603A



BioMAX CS

Minipleat HEPA Filters for Clean Room and High Purity Applications

- Compact Series BioMAX CS HEPA filters are designed for use in ceiling diffusers, ducted modules, hospitals and other critical clean room applications.
- Microfiberglass media with thermoplastic glue-bead minipleat separators.
- Anodized extruded aluminum cell sides, available in standard and custom sizes.
- Gasket seal, gel seal, and knife-edge styles available.
- BioMAX-V2000 for High Capacity 2000 CFM applications.
- UL Classified.

Efficiency Range: 95%–99.999% PAO (Polyalphaolefin) @ .3 micron particles
Consult Bulletin: K-603-B

Extended Surface Pleated Panel Filters

Multi-Pleat XL8 and XL8 HC

- MERV 8 and MERV-A 8 extended surface pleated panel filters for use in commercial and industrial air filtration systems where a higher degree of clean air is desired.
- Standard Capacity and High Capacity media area options.
- High performance synthetic media.
- Durable high wet-strength beverage board frame.
- Rust resistant galvanized-dipped expanded metal support grid.
- Available in a wide range of standard and custom sizes.
- UL Classified.

ASHRAE Efficiencies: 30-35%
MERV Performance Rating: 8
Consult Bulletin: K-100B

Multi-Pleat XL11 & XL11 HC

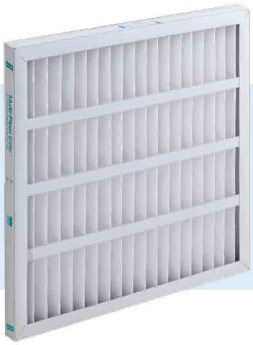
- MERV 11 extended surface pleated panel filter for use in commercial and industrial air filtration systems where a higher degree of clean air is desired.
- Standard Capacity and High Capacity media area options.
- High performance synthetic filter media.
- Durable high wet-strength beverage board frame.
- Rust resistant galvanized-dipped expanded metal support grid.
- Available in a wide range of standard and custom sizes.
- UL Classified.

ASHRAE Efficiencies: 60-65%
MERV Performance Rating: 11
Consult Bulletin: K-602

Multi-Pleat Green 13

- MERV 13 efficiency rating meets the criteria of the US Green Building Rating System.
- High efficiency extended surface pleated filter designed for use in commercial and industrial air filtration systems where higher efficiencies are desired.
- High performance synthetic media.
- Low resistance to airflow compared to competitive models.
- Durable high wet-strength beverage board frame.
- Rust resistant galvanized-dipped expanded metal support grid.
- Available in a wide range of standard and custom sizes.
- UL Classified.

ASHRAE Efficiencies: 85-90%
MERV Performance Rating: 13
Consult Bulletin: K-608 B



Multi-Pleat Elite™

- High performance MERV 8 mechanical air filter featuring a combination of performance and low initial cost.
- Exclusive vForm™ Pleating Technology maintains uniform pleat spacing in every filter.
- Low resistance to airflow reduces energy costs.
- Durable high wet-strength beverage board frame and cross braces.
- Completely incinerable.
- UL Classified

ASHRAE Efficiencies: 30-35%
MERV Performance Rating: 8
Consult Bulletin: K-MPE10

Multi-Pleat SA Pleated Panel Filters with Built-in Header

- 4" deep pleated panel constructed with a 13/16" peripheral header for easy installation into side access housings.
- Durable high wet-strength beverage board frame.
- Rust resistant galvanized-dipped expanded metal support grid.
- Three standard sizes.
- UL Classified

ASHRAE Efficiency: 30-35%
MERV Performance Rating: 8
Consult Bulletin: PB-1293

Multi-Pleat Series AB, HW and SG Pleated Panel Filters for Residential Air Cleaners

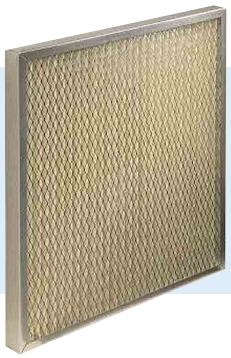
- Koch offers a complete line of MERV 8, MERV 11, and MERV 13 replacement filters for commercial and residential air cleaners such as Airbear©, Honeywell©, SpaceGard© and other major brands.
- High performance synthetic media.
- Durable high wet-strength beverage board frame.
- Rust resistant galvanized-dipped expanded metal support grid.
- UL Classified.

ASHRAE Efficiencies: 35% and 65%
MERV Performance Ratings: 8,11,13
Consult Bulletin: K-104

Multi-Pleat GT and GT HD Pleated Panel Filter

- Designed for use as a prefilter in gas turbines, centrifugal compressor air intakes, and other high velocity systems.
- HD features Ultra heavy-duty moisture-resistant frame and is designed for high humidity applications.
- Specialized high loft synthetic media in two configurations HD1 and HD3 with longer filter life and higher efficiency.
- Media is supported by a rust resistant metal grid.
- UL Classified.

ASHRAE Efficiency: 30-35%
MERV Performance Rating: 8
Consult Bulletins: K-906B, K-906C



Multi-Pleat HT High Temperature Pleated Panel Filters

- Designed for use in high temperature baking ovens found in many painting processes.
- Aluminized frame will not chip or flake.
- Ultrafine microfiberglass media.
- Rust resistant expanded aluminum support grid.
- Available in a wide range of standard and custom sizes.
- UL Classified.

ASHRAE Efficiency: 35-40%
MERV Performance Rating: 8
Consult Bulletin: PB-594

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Medium and High Efficiency Extended Surface Filters

4 Ply Duo-Cube Filters

- 4 Ply Duo-Cube provides the highest performance characteristics of any selection from the Duo-Cube series. Each filter has an internal wire frame around perimeter and seals tightly into holding frame without the use of clips.
- AntiMicrobial treated MERV 8 media provides exceptional protection.
- Self-Seal model eliminates air bypass and requires no clips or fasteners.

ASHRAE Efficiency: 30–35%
MERV Performance Rating: 8
Consult Bulletin: K111C

3 Ply Duo-Cube Filters

- 3 Ply Duo-Cube provides medium efficiency. Each filter has an internal wire frame around perimeter and seals tightly into holding frame without the use of clips.
- Excellent for high moisture environments.
- Antimicrobial treated media.
- Medium efficiency, self supporting synthetic cube filter provides excellent dust holding capacities.

ASHRAE Efficiency: 30–35%
MERV Performance Rating: 8
Consult Bulletin: K111C

2 Ply Duo-Cube Filters

- Excellent for high moisture environments.
- Medium efficiency, self supporting synthetic cube filter provides excellent dust holding capacities.
- Antimicrobial treated filter media.
- Self-Seal Duo-Cube has an internal wire frame around perimeter and seals tightly into holding frame without the use of clips.

ASHRAE Efficiency: 30–35%
MERV Performance Rating: 6–8
Consult Bulletin: K111C

Standard Duo-Cube Filters

- Standard Duo-Cube fits existing basket-type framework.
- Excellent for high moisture environments.
- Medium efficiency, synthetic cube filter
provides excellent dust holding capacities.

ASHRAE Efficiency: <20%
MERV Performance Rating: 5–6
Consult Bulletin: K111C

Duo-Pak 40 Synthetic Pocket Filters

- Excellent for high moisture environments.
- Medium efficiency, self supporting synthetic pocket filter provides excellent dust holding capacities.
- Antimicrobial treated media.
- Duo-Pak 40 has an internal wire frame around perimeter and seals tightly into frame without the use of clips.

ASHRAE Efficiency: 20–35%
MERV Performance Rating: 6–8
Consult Bulletin: PB-798-6

DuraGlove Cube Prefilter

- The DuraGlove Prefilter is designed to prolong the lifecycle of the DuraMAX 4v Final Filter in reverse-mount installations.
- Reverse-mount installations, in which DuraMAX 4v Final Filters are installed with the "V's" as the air entry side, are common in inlet housings where limited space makes it difficult to install a separate bank of prefilters.
- The DuraGlove is constructed with durable synthetic filter media formed into a cube configuration and fits snugly onto the air entry face of the DuraMAX 4v.

ASHRAE Efficiency: 30%–35%
MERV Rating: 8
Consult Bulletin: K-996B

MicroSafe Antimicrobial Treated Filters

- A complete range of pleated filters, panel filters, pocket filters and rigid filters treated with a proven antimicrobial.
- MicroSafe antimicrobial treated filters help control harmful mold, mildew, and bacteria in the air handling system.
- UL Classified.

ASHRAE Efficiency: 30–35%
MERV Performance Ratings: 4-16
Consult Bulletin: K-994

MicroSafe™ Antimicrobial Treatment is available on the following products:

- BioMAX CS
- BioMAX HEPA
- BioMAX V-2000
- Duo-Cube
- Duo-Pak 40
- DuraMAX 2v
- DuraMAX 4v
- Maxi-Grid
- MicroMAX
- Multi-Pleat XL8
- Multi-Cell
- Multi-Flo
- Multi-Sak
- Synthetic Media

Disposable Filters, Automatic Rolls, Bulk Filter Media & Washable Filters

Automatic Roll Filters

- Replacement roll filters for all existing roll filter equipment: American Air Filter Roll-O-Matic*; Continental Conomatic and Conomanual*; Farr Roll Kleen*; Cambridge* Electro-Aire*; and all other major automatic roll filter and unit ventilator equipment.
- Five media choices: Two grades of glass fiber media and three grades of synthetic media.
- All medias consist of progressively dense fibers supported by an integral scrim backing.

ASHRAE Efficiency: 20–35%
MERV Performance Rating: 4–8
Consult Bulletin: K-11586

Commercial /Industrial C&I Disposable Filters

- Economical panel filter for any HVAC application.
- Rugged, moisture-resistant frame.
- Graded density media pad. Synthetic or fiberglass media options.
- One piece frame. Interlocking miter corner for extra-strength and durability.
- A thermoplastic sealant is used to bond the media on all sides of frame.
- Available in 1" and 2" thicknesses.
- All popular standard sizes and custom sizes.

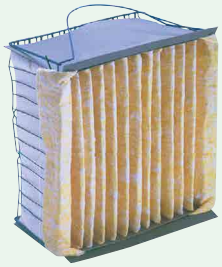
ASHRAE Efficiency: < 20%
MERV Performance Rating: 5
Consult Bulletin: K-888C

Synthetic and Fiberglass Bulk Filter Media and Pads

- A wide range of synthetic and fiberglass medias for commercial and industrial applications such as:
- Foam media for room air conditioners.
- Replacement filters for unit ventilation equipment.
- Medias for ink and lint control.
- Textile media for food processing and tobacco applications and much more....
- Synthetic media is available in 1/2", 1", 1 1/2" and 2" media thicknesses.
- Fiberglass media is available in 1/2", 1", 2" and 4" media thicknesses.
- All types are offered in pre-cut pads or bulk rolls.

ASHRAE Efficiencies: 20–35%
MERV Performance Ratings: 4–8
Consult Bulletins: PB-001-B, K 386D

Original Equipment Replacement Cartridges



Koch offers a series of replacement filter cartridges designed to fit the existing original equipment baskets and framework of four "first generation" filter housings.

Multi-Test Cartridge (pictured above)
- For Camfil HP* systems.

ASHRAE Efficiency: 25-30%, 45-55%, 80-90%, 90-95%
MERV Performance Rating: 7, 10, 13, 14
Consult Bulletin: K1187

Multi-Test Rigid
- For Cambridge Rigid Aerosolve* systems.

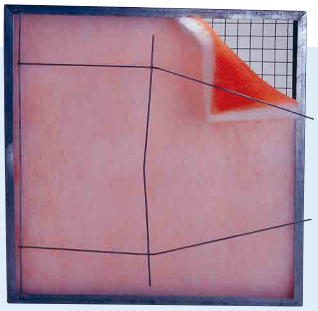
ASHRAE Efficiency: 55%, 85%, 95%
MERV Performance Rating: 7, 12, 16
Consult Bulletin: K-1080-A

Multi-45 Cartridge
- For Continental Air Filter Cono 45 and Cono Flo* systems.

ASHRAE Efficiency: 45-55%
MERV Performance Rating: 10
Consult Bulletin: K-1287-A

Duo-Cap Cartridge
- For Cambridge Hi Cap* systems.

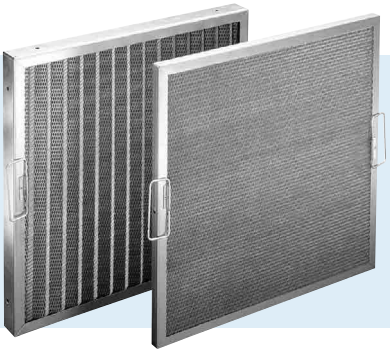
ASHRAE Efficiency: 30-35%
MERV Performance Rating: 8
Consult Bulletin: K-240



Koch Pad Holding Frames

- The Koch Pad and Frame System offers an easy and cost effective method of achieving proper air filtration.
- Easy-open gate allows for quick filter changes.
- Galvanized steel construction.
- Available in all popular standard sizes and also in custom sizes.
- Use with any Koch Synthetic or Fiberglass Filter Media pad.

Consult Bulletin: K-980A



MS and MA Permanent Washable Filters

- Type MS Steel and Type MA Aluminum Filters are constructed with rugged components designed to offer excellent filtration performance in HVAC systems, grease hoods, or any applications where a permanent, cleanable filter is required.
- Available in a wide variety of standard and custom-made sizes.
- Spray adhesive is offered to further enhance dust holding properties.

ASHRAE Efficiency: < 20%
MERV Performance Rating: < 6
Consult Bulletin: K985-A

** Competitive brand and trade names are for product identification purposes only.*

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Filters for Paint Overspray and Industrial Finishing Applications

SprayStop Paint Arrestors

- All medias removal efficiency are rated above 99%.
- All medias available in bulk rolls, pads, or pre-cut blankets.

SprayStop S Standard Capacity Synthetic media, Bulletin: PB-798-1

SprayStop SHC High Capacity Synthetic media, Bulletin: PB-798-2

SprayStop HCX Synthetic media, Super High Capacity, Bulletin: SS-HCX (exceeds New NESHAP 40CFR 63 and MACT standards)

SprayStop STK High Efficiency Synthetic media, Bulletins: PB-798-9, PB-798-22

SprayStop FG Fiberglass media, Bulletin: PB-693-1

SprayStop Expanded Paper Bulletins: PB-693-3, 4, 5, 6, 7

SprayStop Overspray Pocket Filters

- Pocket and Cube Styles extend life and increase efficiency.

SprayStop S Duo-Pak Standard Capacity Synthetic media, Bulletin: SS-SDP (Exceeds New NESHAP 40CFR 63 regulation and MACT standards)

SprayStop HC Duo-Pak High Capacity Synthetic media, Bulletin: SS-HCDP (Exceeds New NESHAP 40CFR 63 regulation and MACT standards)

SprayStop Universal Cube HE Synthetic media, High Capacity/ High Efficiency Bulletin: SS-UCHE (Exceeds New NESHAP 40CFR 63 regulation and MACT standards)

MERV Performance Rating: 7–14

Consult Bulletin: K-798B

SprayStop NESHAP Multi Stage Systems Overspray Collection Filters

- Designed for applications where the removal of chromates, maximum final filter life, airflow, and efficiency are desired.
- Exceeds the New NESHAP 40CFR 63 regulations for Aerospace painting and de-painting operations and MACT standards.

SprayStop NESHAP 2 Stage System Bulletin: SS-2stage

SprayStop NESHAP 3 Stage System Bulletin: SS-3stage

- All SprayStop Systems can be customized to meet the requirements of any coating operation. Available in all sizes and configurations for optimum filter life and value.

MERV Performance Rating: 11–15

Consult Bulletin: K-798B

SprayClean Diffusion & Air Make-up Panels, Media and Pocket Filters

- Available in pads, blankets, rolls bags and cubes to provide maximum protection in basic and more specialized types of air filtration. SprayClean exceeds critical requirements for removing dirt particles, provides blemish free finish, high efficiency, extended filter life.

KR-1 Panel (Bulletin: KR1-DP) 99+% efficient at 10 micron
Maxi-Grid 600 (Bulletin: AIG 600) 99+% efficient at 5 micron Internally Supported Panels & Link K-902
KDF 600 Diffusion Media PB-798-3
Duo-Pak 550 Merv 8 PB-798-5
MERV Performance Rating: 5–15
UL Classified
Consult Bulletin: K-798B

Paint Booth Accessories: Booth floor paper, 9 different selections/sizes.
Paint Arrestor Accessories: Holding frames, Wire rods, Snap-in-grid, Conversion grid, Conversion grid flange, Conversion pak, Spray-Pak grid, Conversion pak upper support grid.

High Temperature Rigid Air Filters

- High efficiency, extended surface air filter designed for use in applications with temperatures ranging from 350º to 900º.
- Microfiberglass media with Double-Edge™ corrugated aluminum separators.
- Aluminized steel cell sides with aluminized steel faceguards on air entry and air exit sides are ideal for use in paint ovens where high temperatures may cause galvanized steel to scale or flake.
- Contains no silicone.
- Single, double or no header configurations.
- Available in all popular sizes. ASHRAE Efficiencies: 30%, 65% and 95% UL Classified

MERV Performance Rating: 8–15
Consult Bulletin: K-787B

BioMAX Powder Booth Final Filters

- BioMAX HEPA filters are designed for use in industrial powder coat installations.
- Microfiberglass media with thermoplastic glue-bead minipleat separators.
- Anodized extruded aluminum cell sides
- Wide range of standard and custom sizes.
- Gasket seal, gel seal, and knife-edge styles available. Pictured left to right:
  - BioMAX Gel Seal
  - BioMAX Reverse Gel Seal
  - BioMAX-V2000 high capacity 2000 CFM
- 100% scan tested for leaks prior to shipping.

Efficiency Range: 95%–99.999% PAO (Poly Alpha Olefin) @ .3 micron particles
Consult Bulletin: K-603-B

Industrial Cartridges Filters

- Available in a wide range of medias and sizes.
- For powder coating, bead blasting, and pollution control applications.
- Ensure maximum performance and value in source capture and reclaim capability.

MERV Performance Rating: 11-15
Consult Bulletin: PB-798-20

Industrial Cartridge Filters for Turbomachinery and Air Inlet Systems

Industrial Cartridge Filters For Gas Turbines and Environmental Dust Collection

- Koch Filter has replacement cartridges for all types of gas turbine barrier systems and dust collector systems.
- All filters are constructed to strict specifications and are available in multiple sizes and media configurations to meet a variety of application and environmental requirements.
- High Performance Media Options: ICF-11HF, ICF-12, ICF-13 & ICF-15.
- High moisture-resistance.
- Multiple media options for different environments (High Flow Spun Bond, Synthetic, Paper, Nano, Melt Blown, Poly Propylene, Synthetic Paper).
- Replaces OEM manufactured filters.
- Multiple core and end cap options.
- Uniform pleat spacing.

ASHRAE Test Standards
52.1-1999 and 52.2-2007.
MERV Performance Rating: 11-15
Consult Bulletins: PB-798-20 and K-GT909

DuraMAX 4v and 2v High Efficiency Minipleat Filters

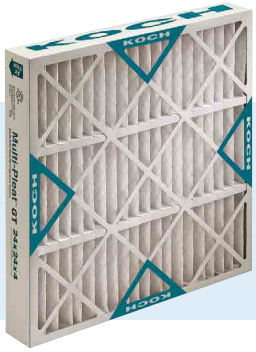
- 12" deep extended surface minipleat V-style filter provides unequaled combination of low resistance to airflow, high efficiency, and prolonged filter life.
- DuraMAX 4v is designed for use as a final filter. 2v model is designed for use as a pre-filter. 4v final filter packs 194 ft^2 media in a 24x24x12 frame. 2v prefilter contains 110 ft^2 of media.
- Both models are available in microfiberglass or synthetic filter media.
- Standard 4v and 2v models are constructed with an all plastic frame. They have no metal components which makes them completely incinerable after use.
- Also available with protective expanded metal faceguards upon request.
- Several standard sizes are available.

ASHRAE Efficiencies: 65%, 85%, 95% and 98%
MERV Performance Rating: 11-15
Consult Bulletins: K-996B (4v), K-1205B (2v) and K-GT909
UL Classified

Maxi-Cell Gas Turbine Inlet Filters

- Extended surface, high efficiency barrier filter designed for maximum performance in the most extreme atmospheric conditions.
- Dual-layered microfiberglass media with Double-Edge™ corrugated aluminum separators. (Available with coated separators for highly corrosive environments).
- Galvanized steel cell sides with expanded metal faceguards on air entry and air exit sides.
- Reliable performance in any climate.
- Airflow performance level as high as 2500 cfm.
- Single header or Double header configurations.

ASHRAE Efficiencies: 65% and 95%.
MERV Performance Rating: 11-14
UL Classified
Consult Bulletin: K-386-B



Multi-Pleat GT Pleated Panel Filter

- Extended surface pleated panel designed for use as a prefilter in gas turbines, centrifugal compressor air intakes, and other high velocity systems.
- Integral pleat supports.
- High performance synthetic filter media.
- Media is supported by a rust resistant metal grid.
- Available in a wide range of standard and custom sizes.

ASHRAE Efficiency: 30-35%
MERV Performance Rating: 8
UL Classified
Consult Bulletin: K-906B

Multi-Pleat GT-HD Heavy Duty Pleated Panel Filter

- Ultra heavy-duty frame is moisture-resistant and is designed for high humidity applications.
- Specialized high loft synthetic media in two configurations HD1 and HD3 is moisture-resistant. HD3 offers longer filter life and higher efficiency.
- Replacement for pre-filters provided in OEM inlet air housings.
- Media is supported by a specialized heavy-duty rust resistant galvanized dipped expanded metal grid.

ASHRAE Efficiency: 25-35%
MERV Performance Rating: 7-8
UL Classified
Consult Bulletin: K-906C

Synthetic and Fiberglass Bulk Rolls and Pads

- A wide range of synthetic and fiberglass medias for use as a prefilter in gas turbines, centrifugal compressor air intakes, and other high velocity systems.
- Synthetic media is available in 1/2", 1" and 1-1/2" thicknesses.
- Fiberglass media is available in 1", 2" and 4" thicknesses.
- All types are offered in pre-cut pads or bulk rolls.

ASHRAE Efficiencies: 20-30%
MERV Performance Ratings: 4-8
UL Classified
Consult Bulletins: PB-001-B, K386D, K-GT909

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Carbon and Gas Phase Filtration

DuraPURE V-Style Gas Phase Filter

- Industrial grade extended surface gas phase adsorption filter for removal of volatile organic compounds (VOC), chemical contaminants, and odors.
- Standard Capacity and High Capacity options.
- Available with premium grade activated carbon, impregnated carbon, or potassium permanganate.
- DustNet "afterfilter" prevents carbon dust downstream.
- Three standard sizes available.
- Solvent Capacity of Standard Capacity DuraPURE: 5 lbs.
- Solvent Capacity of High Capacity DuraPURE: 8 lbs.
- Carbon Activity Rating: Minimum 60% on carbon tetrachloride (CCl4) at 25º C.

Consult Bulletin: K-397-B

OdorKleen ES Pleated Panel Filter

- Light duty carbon filter for removal of odors in commercial or light industrial applications.
- Carbon impregnated filter media.
- Durable high wet-strength beverage board frame.
- Rust resistant galvanized-dipped expanded metal support grid.
- Available in a wide range of standard sizes.

ASHRAE Efficiencies: 25–30%
MERV Performance Rating: 7
Consult Bulletin: K-693A

OdorKleen 250

New CarbonWeb® High Efficiency Media–SuperiorPerformance

- Odorkleen 250 offers superior performance in gaseous and odor adsorption, as well as excellent particulate filtration. This "combination" product contains 250gsm of carbon product attached to a high efficiency cotton-polyester media blend of granular activated carbon and activated alumina impregnated with potassium permanganate.
- Patented, flexible CarbonWeb® Media-carbon will not settle.
- Great particulate efficiency.
- Superior odor removal.
- Low pressure drop.
- Virtually no dusting.

ASHRAE Efficiency: 35%
MERV Performance Rating: 8
Consult Bulletin: PB-1201

DuraKleen High Efficiency Gas Phase Filter

- The DuraKleen gas phase adsorber offers superior performance in gas and odor applications where ultra high efficiencies are required.
- DuraKleen removes low level gaseous pollutants to help provide acceptable levels of indoor air quality for manufacturing processes, museums, hospitals, commercial office buildings, cleanrooms, and many others.
- 26 gauge galvanized cellsides.
- Removes VOC's (volatile organic compounds), chemicals and contaminants.
- Small mesh size carbon for high efficiency.
- Uses Celbond Particulate Structure (CPS) Technology.
- Low pressure drop.
- Virtually no dusting.
- Excellent polishing filter for high contaminant concentrations.

Consult Bulletin: PB-1202

Frames, Housings and Hardware

▲ Side Access Housings

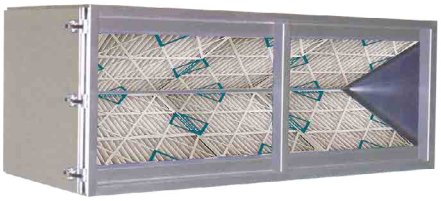
BioMAX HEPA-Lock Housing ▼

Air Filter Housings

- Versatile line of Air Filter Housings designed for easy installation into original equipment and retrofit filtration systems.
- Standard housings are constructed of 16 gauge steel and can be manufactured to meet specifications in ASHRAE or HEPA applications.
- A wide variety of optional features and housing depths.

Consult Bulletin: K-298

Carbon and Gas Phase Filter Housings ▶



V-Bank Housings ▶

Type AR Filter Holding Frames

- Designed for simple and cost-effective construction of filter banks.
- 16 gauge galvanized steel components.
- Each frame is equipped with gaskets to provide protection against air bypass.
- Pre-punched holes in the sides of the frame make filter bank construction easy and trouble-free.
- Wide selection of clips and latches.

Consult Bulletin: K186D

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