HVAC AIR FILTRATION

PRODUCTS

For Your Total
Air Filtration
Needs!

HVAC Filters

Spray Booth Filters

Accessories

GACT 98%
WEIGHT ARRESTANCE EFFICIENCY

Performance Engineered Air Filter Products

Columbus Industries, Inc.

This filter meets GACT for sources subject to SUBPART HHHHHH (Paint Stripping and Miscellaneous Surface Coating at Area Sources) and SUBPART XXXXXX (Area Source Standards for Nine Metal Fabrication and Finishing Source Categories) (>98% EFFICIENT when tested by ASHRAE Method 52.1 in accordance with the NESHAP)

MICRO SHIELD®

V-CELL FILTERS 14/14A, 15, 16/16A

Features
- Fully incinerable
- Provides lower energy consumption
- Provides lower operating cost especially in VAV systems
- Meets requirements for LEED certification
- Provides an economical and high efficiency upgrade with less energy consumption

Applications
- Commercial and industrial facilities
- Government and educational facilities
- Paint booth/finishing
- Hospitals, research labs and pharmaceuticals
- Airports
- Electrical manufacturing
- Power generators

Technical
- Available in 12 x 24 x 12, 20 x 24 x 12 and 24 x 24 x 12
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- Tested in accordance with ASHRAE Test Standard 52.2-2007 Appendix J conditioning step
- UL Standard 900 tested and approved
- Temperature rated up to 160˚F
- Newly designed all-plastic frame is fully incinerable and features:
  - Strong lift handles/finger grips
  - Downstream mounting clip holes
  - Upstream pre-filter clip locations
  - Solid header surfaces for gasket applications
  - Positive gasket seals
  - Available with and without gaskets

MICRO SHIELD®

MINI-PLEATED FILTERS 2" & 4", MERV 12, 14/14A, 15

Features
- Provides lower initial resistance
- Provides lower energy consumption and operating cost
- Meets requirements for LEED program
- Provides an economical and high efficiency upgrade for most applications
- Easy installation

Applications
- Commercial and industrial facilities
- Government and educational facilities
- Paint booth/finishing
- Hospitals, research labs and pharmaceuticals
- Airports
- Electrical manufacturing
- Power generators

Technical
- 2" – Available in MERV 15 only
- 4" – Available in MERV 12, 14/14A and MERV 15
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- UL Standard 900 tested and approved
- Temperature rated up to 160˚F
- Fully incinerable
- Available with or without gasket
- Header and non-header versions available in a variety of sizes

Ever Pak®

MULTI-POCKET FILTERS MERV 13, 15

Features
- Provides a low initial resistance
- Provides a low energy consumption
- Provides low operating cost
- Meets requirements for LEED certification
- Provides a rigid self-supporting pocket

Applications
- Commercial and industrial facilities
- Pharmaceutical
- Government and educational facilities
- Hospitals
- Paint booth/finishing
- Food processing

Technical
- Available in a variety of sizes, depths and configurations
- Available in MERV 13 and 15
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- UL Standard 900 tested and approved
- 100% synthetic media
- Temperature rated up to 160˚F
- Header and self-sealing versions available

Perma-Cell ®

RIGID BOX FILTERS MERV 13, 15

Features
- Provides lower initial resistance
- Provides lower energy consumption
- Provides lower operating cost
- Meets requirements for LEED certification
- Provides a rigid filter for variable air systems
- Available in metal or plastic with an optional header

Applications
- Commercial and industrial facilities
- Pharmaceutical
- Government and educational facilities
- Hospitals
- Paint booth/finishing
- Food processing

Technical
- Available in a variety of standard sizes
- Available in MERV 13 and 15
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- UL Standard 900 tested and approved
- Temperature rated up to 160˚F

SURE SHIELD®

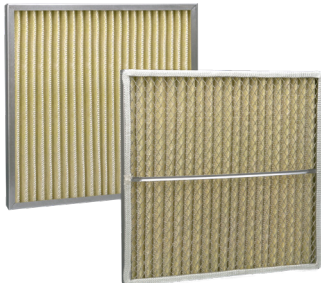## PLEATED FILTERS 1", 2", & 4" MERV 7, 8/8A, 11, 13

Features
- Provides lower initial resistance
- Provides lower energy consumption
- Provides lower operating cost
- Meets requirements for new construction phase for LEED program
- Protects equipment and extends life cycle of secondary filters
- MERV 13- 2" and 4" only
- MERV 8/8A and 11- 1", 2", 4"
- MERV 7 Poly-Sorb® Pleat 1", 2", 4"

Applications
- Commercial and industrial facilities
- Pharmaceutical
- Government and educational facilities
- Hospitals
- Paint booth/finishing
- Office buildings
- General HVAC filtration
- Food processing

Technical
- Available in 1", 2", and 4" depths in a variety of standard and custom sizes
- Available in both Standard and High Capacity configurations
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- UL Standard 900 tested and approved
- 100% mechanical synthetic media
- Temperature rated up to 180˚F
- .028 kraft board frame with added moisture resistance

SURE SHIELD®

Pleated High Temp Filters 2" MERV 11

Features:
- Rugged construction with downstream grid and bracing to prevent blowout
- Provides low initial resistance
- Reduces energy consumption
- Promotes a clean environment
- High Temperature gasket available

Technical Information:
- Available in 2" depth with or without gasket
- MERV 11 (initial) when tested in accordance with ASHRAE Test Standard 52.2 -2007@500FPM
- 100% microglass media
- Rated up to 500°F
- 24-gauge aluminized steel frame
- Downstream metal grid and cross strap for extra strength and equipment protection

Supra*loft*® POLY-SORB® PLEAT COMMANDER®

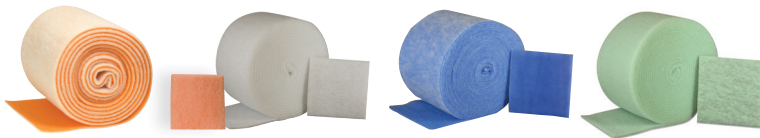## PANEL FILTERS MERV 7, 8 & 10

Features
- Provides long service life
- Provides lower energy consumption and operating cost
- MERV 8 meets requirements for new construction phase of LEED's program
- Self-sealing design to prevent air bypass
- Select filters consist of recycled components
- 100% synthetic media
- Air intake side is a white multi-denier coarse tackified polyester
- Dry tackifier, no migration or contamination

Applications
- Commercial and industrial facilities
- Pharmaceutical
- Government and educational facilities
- Hospitals
- Paint booth/air intake
- Paint booth exhaust
- General HVAC filtration
- Food processing

Technical
- Available in a variety of standard and custom sizes, in both individual panel and linked configurations
- Available in MERV 7, 8, & 10
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- UL Standard 900 tested and approved
- Temperature rated up to 160˚F
- Antimicrobial media available
- Mechanical filtration
- SURE-STOP AM® is a featured media that is MERV 10 and made into rolls, pads, panels and cubes

Supra*loft*®

POLYESTER ROLL MEDIA & CUT PADS, DIFFUSION 560D, R1S, R1 W/O SCRIM, R2

Features
- Thickness ranges from 1/2" – 2" nominal
- Dry media available in all synthetic construction so no allergies
- Dry tackifier used to prevent migration or contamination in the operation
- Select media utilize recycled components
- Air intake side on dual color media has white coarse face ply to increase service life
- Inexpensive filtration and pre-filtration
- Low resistance to airflow to reduce energy consumption
- MERV 8 and higher media meet the new construction phase of LEED's program
- Provides long service life and high holding capacity to reduce operating cost
- Odd-sized filters can easily be cut from this media on-site

Applications
- Commercial and Industrial facilities
- General HVAC filtration and applications
- Government and educational facilities
- Paint booth/finishing applications
- Hospitals
- Electronics manufacturers
- Food processing

Technical
- Available in a variety of standard width rolls that can be cut to fit the application
- MERV 6, 7, 8 and 10 media is available
- Testing in accordance with ASHRAE test standard 52.2-2007
- UL Standard 900 tested and approved
- Temperature rated to 160˚F
- Antimicrobial media available

Supra*loft*®

CUBE/POCKET FILTERS MADE WITH MERV 7, 8 & 10 MEDIA

Features
- Provides a low initial resistance
- Provides a low energy consumption
- Provides low operating cost
- Provides a rigid self-supporting pocket
- 100% synthetic media

Applications
- Commercial and industrial facilities
- Pharmaceutical
- Government and educational facilities
- Hospitals
- Paint booth/finishing
- Food processing

Technical
- Available in a variety of sizes, depths and configurations
- Available in MERV 7, 8, and 10 media
- Tested in accordance with ASHRAE Test Standard 52.2-2007
- Select products UL Standard 900 tested and approved
- Temperature rated up to 160˚F
- Antimicrobial media available

Price-to-Performance.
We have the filter to meet your air cleaning needs.

Columbus Industries, with the most versatile, efficient and cost-effective intake HVAC filters, is a leader in air filtration.

HVAC and Paint Collector Products Stocked Locally!

Columbus Industries maintains an extensive network of highly professional representatives which provides you with:

- Personal attention with on-site visit
- Best value
- Individual analysis of each system
- Factory-backed technical assistance
- Locally stocked products
- Reduced freight costs

Columbus Industries' Unparalleled Dedication to Customer Service

Columbus Industries continually strives to meet the industry's needs through the development of new overspray collectors, spray booth intake filters, diffusion media and HVAC filters which effectively fulfill specific filtration requirements. It is this unparalleled dedication to customer service that has enabled Columbus Industries to become a leading industry supplier of "performance engineered" air filtration products.

Disposal Guidelines: When loaded with residue, dispose of materials according to OSHA Regulation 1910.107, EPA Regulations 40CFR, NFPA Standard #33, or any other federal, state or local regulating authority.

Energy Calculations

Manufacturer	Product Category	MERV	Initial Res.	Energy Cost	Energy Savings using Columbus Industries Products
Columbus Industries	Multi Pocket Bags	15	0.28	$119.00	$52/30%
Industry Average	Multi Pocket Bags	14	0.40	$171.00	
Columbus Industries	Rigid Box	15	0.36	$154.00	$38/20%
Industry Average	Rigid Box	14	0.45	$192.00	
Columbus Industries	2" Mini Pleat	15	0.30	$128.00	$30/19%
Industry Average	2" Mini Pleat	14	0.37	$158.00	
Columbus Industries	4" Mini Pleat	14	0.21	$69.00	$68/50%
Industry Average	4" Mini Pleat	14	0.45	$137.00	
Columbus Industries	3 V-cell	15	0.21	$64.00	$73/53%
Industry Average	3 V-cell	15	0.45	$137.00	
Columbus Industries	4 V-cell	16	0.28	$85.00	$9/10%
Industry Average	*4 V-cell*	*16*	*0.31*	*$94.00*	

Industry average based on multiple manufacturers' combined literature claims for initial resistance @ 500 FPM for product category. Energy cost based on 12 month anticipated lifecycle with double the initial resistance being the final pressure drop. For further explanation on these energy calculations, contact Columbus Industries.

You can trust CI for these other high-quality air filtration products:

- **Diffusion filters**
  (rolls, cut pads, panels and pockets)
- **Spray booth exhaust filters**
- **BoothGuard® floor paper**
- **FITS® - Fit-It-To-Size filters**
- **PolySorb® activated carbon filters**
- **Spray booth accessories**

Locally stocked and technically supported for your convenience by:

Performance Engineered Air Filter Products

Columbus Industries, Inc.

2938 State Route 752 • P.O.Box 257 • Ashville, Ohio 43103-0257
Phone: 740.983.2552 • Fax: 740.983.4622 • www.colind.com • Email: ci@colind.com

Supraloft®, Ever Pak®, Sure Shield®, Micro Shield®, Perma-Cell®, Poly-Sorb®,
Pleat Commander® and CI® are registered trademarks of Columbus Industries, Inc.
All rights reserved.

Reorder #: DST-310
Rev: 11/2014