



2023 PRODUCT CATALOG

Pleated Filters

All filters are Ashrae 52.2 2017 tested and UL 900 Certified.



Standard Sizes

Available in Standard and High Capacity Options

1" sizes

10X10X1	14X25X1	18X25X1
10X20X1	14X30X1	18X30X1
12X12X1	16X16X1	20X20X1
12X20X1	16X20X1	20X24X1
12X24X1	16X24X1	20X25X1
12X30X1	16X25X1	20X30X1
12X36X1	16X30X1	22X22X1
14X14X1	18X18X1	24X24X1
14X20X1	18X20X1	24X30X1
14X24X1	18X24X1	25X25X1

2" sizes

12X20X2	18X24X2
12X24X2	18X25X2
14X20X2	20X20X2
14X25X2	20X24X2
16X16X2	20X25X2
16X20X2	20X30X2
16X24X2	24X24X2
16X25X2	24X30X2
16X30X2	25X25X2
18X20X2	

4" sizes

12X24X4
16X20X4
16X24X4
16X25X4
18X24X4
20X20X4
20X24X4
20X25X4
24X24X4
28X30X4

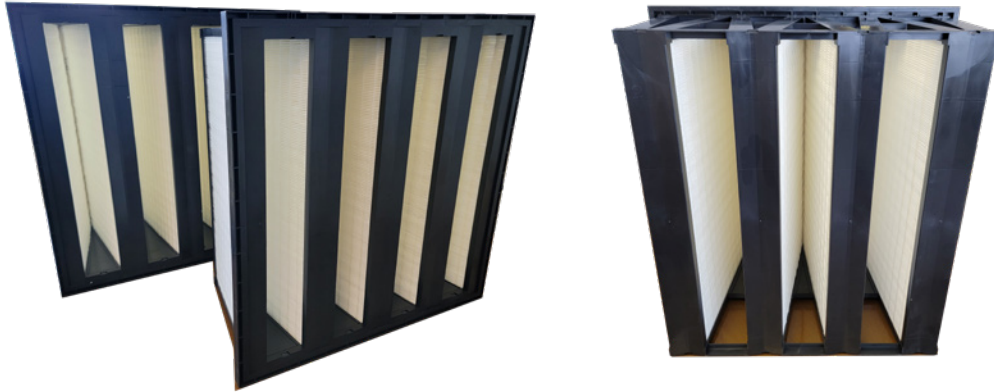
5" sizes

16X25X5
20X25X5

All sizes are available. Just ask about our custom sizes.

V-Cell (V-Bank) Filters

High efficiency V-Cell (V-Bank) filters catch and hold more dust than standard minipleat, cartridge, and rigid cell air filters. These filters are designed for use in air filtration systems and equipment where medium to high efficiency filtration is required.



Features

- All-plastic construction
- Media and frames are polypropylene
- Plastic hot melt adhesive used for bonding pleat packs to frame to guard against moisture and prevent [missing word]
- Available in efficiency grades from ASHRAE MERV 11 to MERV 15 (60-95%+)

Efficiency Ratings

- MERV 11 - 60-65% efficiency
- MERV 13 - 80-90% efficiency
- MERV 14 - 90-95% efficiency
- MERV 15 - 95% + efficiency
- HEPA - 99.97% efficiency

Benefits

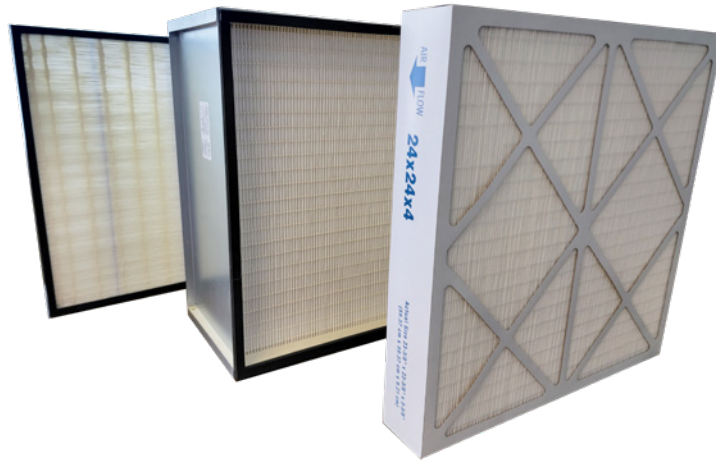
- High efficiency
- High airflow capacity
- Durable, damage resistant media packs
- Light weight
- Resistant to most chemicals
- Can be incinerated for disposal
- Low airflow resistance
- Longer service life
- Moisture-proof construction
- Will not corrode
- Will not support microbial growth

Typical Uses

- Hospitals and Health Care Facilities
- Micro Processor Manufacturing
- Pre-Filters for Clean Rooms
- Food Processing
- Pharmaceutical Manufacturing
- Educational Institutions
- Industrial and Commercial Buildings
- Gas Turbine Intake Systems
- Turbulent Airflow
- High Humidity
- Variable Air Volume
- High Velocity Airflow

Mini Pleat Filters

Minipleat air filters have tightly pleated filter media that traps particles with high efficiency. They are lighter and hold more dust than rigid cell or cartridge air filters, and their rigid frame can withstand difficult operating conditions such as variable air volume, turbulent airflow, and high humidity. Minipleat filters are commonly installed in HVAC systems in offices, hospitals, museums, electronics manufacturing, and similar settings to remove contaminants from the air stream and increase indoor air quality. They also stop contaminants from building up in the equipment and damaging it. These filters have a MERV (minimum efficiency reporting value) rating of 11 to 16.



Features

- Media, Spacer beads and Frame material are 100% polypropylene
- Media is single web, non-shedding, gradient density
- Pleat Spacer thermally bonded to both sides of media
- Frames available in plastic, metal, and beverage board
- All filter components are anti-microbial by nature
- Water proof construction
- Custom sizes Available
- ASHRAE 52.2-1999 tested and certified
- UL900 Class 1 U.S. tested and certified
- Initial resistance @ 500 fpm

Efficiency Ratings

- MERV 13 - 80-90% efficiency
- MERV 14 - 90-95% efficiency
- MERV 15 - 95% + efficiency
- MERV 16 - 95% + efficiency
- HEPA - 99.97% efficiency

Sizes

Dimensions are in inches

2" sizes

12x20x2	16x25x2	20x25x2
12x24x2	16x30x2	20x30x2
14x20x2	18x20x2	24x24x2
14x25x2	18x24x2	24x30x2
16x16x2	18x25x2	25x25x2
16x20x2	20x20x2	
16x24x2	20x24x2	

4" sizes

12x24x4	20x24x4
16x20x4	20x25x4
16x24x4	24x24x4
16x25x4	24x24x4
18x24x4	28x30x4
20x20x4	

Bag Filters

FST Bag filters are available in four standard face dimensions and six standard pocket lengths up to 36" allowing maximum flexibility per system. They are available with Synthetic and Fiberglass media and in non-standard sizes. Metal cover strips (optional) are affixed with non-flammable adhesive over each adjoining pocket, eliminating the possibility of dust bypass between pockets where staples or clinches are traditionally used. The cover strips also provide added structural integrity to prevent filter blowout. The U-channel header allows the pocket support channels to extend into the full 13/16" depth of the header to sandwich the media between the pocket support channels and the header. An adhesive is applied inside the header where the metals compress and hold the media. This ensures that pockets will stay firmly in place during installation and service.



Features

Filter Media: 100% polypropylene lofted microfiber / Fiberglass Available

Assembly Adhesive: Non-flammable adhesive applied to entire header & pocket channels

Support Header & Pocket Support Channels: Galvanized steel support elements staked, riveted and glued into one composite framework for leakproof pocket attachment.

Max. Temperature: 150°F, Peaks 200°F (65°C, Peaks 93°C)

Max. Humidity: Resistant to 100% R.H.

Flammability: UL 900, Class 2

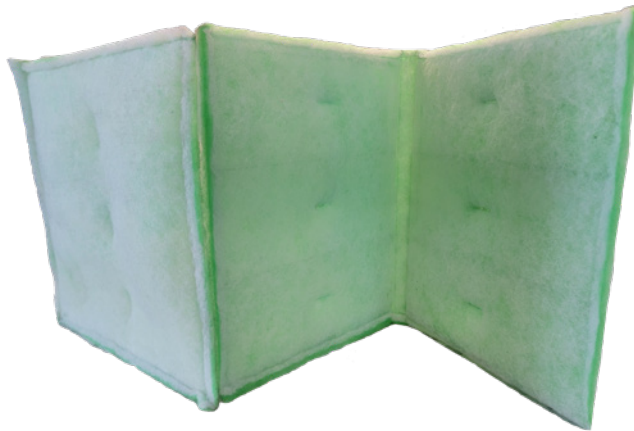
Media Area (sq. ft.)								
		Pocket Length						Number of Pockets
		12"	15"	18"	22"	30"	36"	
Face Dimensions	12x24	13.0	16.3	19.5	23.8	32.5	39.0	3
		17.3	21.7	26.0	31.8	43.3	52.0	4
	20x24	21.7	27.1	32.5	39.7	54.2	65.0	5
		26.0	32.5	39.0	47.7	65.0	78.0	6
	20x20	22.0	27.5	33.0	40.3	55.0	66.0	6
		26.0	32.5	39.0	47.7	65.0	78.0	6
	24x24	34.7	43.3	52.0	63.6	86.7	104.0	8
		34.7	43.3	52.0	63.6	86.7	104.0	8
	24x24	43.3	54.2	65.0	79.4	108.3	130.0	10
		52.0	65.0	78.0	95.3	130.0	156.0	12

Performance Data (24x24x30 - 8 Pocket Filter)						
Product Code	ASHRAE 52.2 - 1999				Initial Resistance " w.g.	Final Resistance " w.g.
	MERV Value	E1 %	E2 %	E3 %		
0701	MERV8	23	54	79	0.21	1.00
0701	MERV12	53	86	99	0.32	1.00
0701	MERV13	82	97	99	0.43	1.50

Part Number Guide				
Product Code	Pocket Count	Dimensions	Gasketing	Loops
FST-PKT	3,4,5,6,8,10,12	WxHxD	X=Air Exit E=Air Entry	T=Top B=Bottom D=Top & Bottom
Example: FST24x24x19 8 P Bag Filter, 86% Efficient, 8 Pkt, 24x24x19, Initial Resistance 0.30, Final 1.50 w.c. Merv 13 @1968CFM				

Ring Link Filters

Environet Ring Links are ring panels that are formed into a continuous chain to eliminate bypass between panels. Like Environet Ring Panels, Environet Ring Links are constructed from two layers of 100% synthetic polyester media thermally sealed around a 0.148" galvanized wire. A support wire and radial bonds in the center of each panel keep the media from sagging and fluttering to prevent dust migration. A one inch overlap of media around the support wire ensures a positive seal and no dust bypass. Each layer of media has multiple fiber deniers (fiber diameter) which graduate from coarse to fine for maximum dust loading and efficiency. A latex resin dry tackifier is added on the downstream side as an added dust migrations prevention.



Features

- Media layers are graduated density for optimized dust loading and high energy efficiency
- Engineered internal frame assures stability under high air velocity and heavy dirt loading
- Airtight seal is crafted with our unique overlapping edge to prevent dust bypass.
- Custom sized panels and media combinations are available

Sizes for 2-ply, 3-ply, and MERV 8 filters

12X48	16X80	20X60	20X144	24X120	25X80
12X72	16X100	20X64	20X150	24X144	25X96
12X96	16X120	20X72	24X40	25X32	25X100
12X120	16X125	20X75	24X48	25X40	25X120
12X144	16X150	20X80	24X60	25X48	25X125
16X40	20X32	20X96	24X72	25X50	25X150
16X50	20X40	20X100	24X80	25X60	
16X60	20X48	20X120	24X96	25X64	
16X75	20X50	20X125	24X100	25X75	

HVAC & Paint Ring Panels

FST Ring & Link Panel Filter offers 2 Ply, 3 Ply, and Merv 8 stage high capacity, dust loading filter constructed using 100% synthetic Micro/Nano progressive density media. Our filters utilize a corrosion resistant, galvanized steel frame to provide structural strength and rigidity. Our Panel Filter's high dust loading capacity is ideal for use as a pre-filter in paint overspray filtration, among many other applications.

The nanofiber media of FST Panel Filters is suitable for a variety of filtration applications from paint booths to commercial buildings where lower efficiency filtration is needed. The durable internal wire frame provides sufficient support during for commercial HVAC units. Panels are available in multiple sizes and quantity of links.

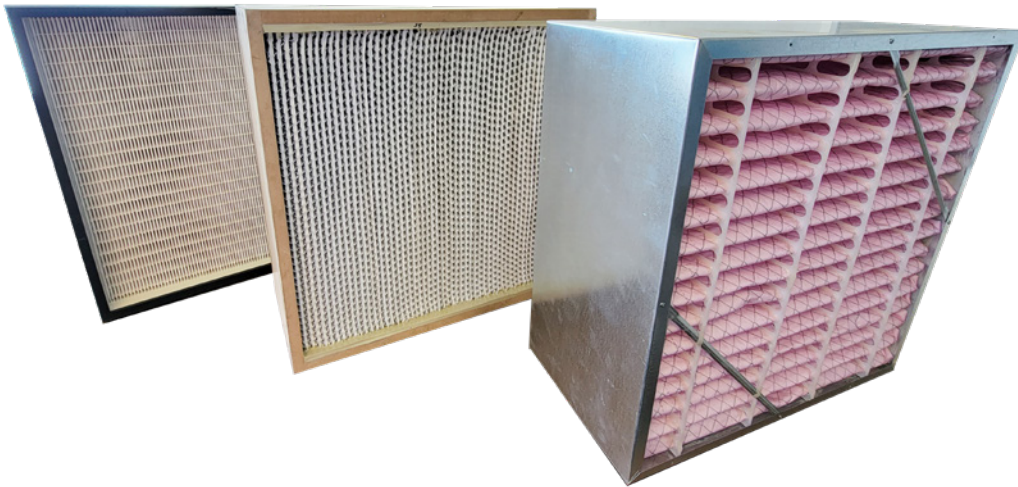


Sizes for 2-ply, 3-ply, and MERV 8 Ring Panels

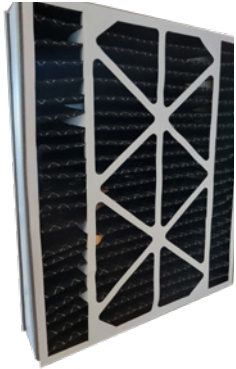
10X20 12X24 15X20 16X20 16X25 20X20 20X24 20X25 24X24 25X25

Box Filters

Box air filters are used in HVAC systems to trap contaminants in the air stream. This boosts indoor air quality and prevents the contaminants from building up in the equipment and on surfaces, which can cause damage. These rigid filters have more capacity for capturing contaminants than panel filters and are best used as final filters. Box air filters include rigid cell air filters, cartridge air filters, mini-pleat air filters, V-bank air filters, odor removal box air filters, and HEPA air filters. They are commonly used in commercial buildings, data centers, food and beverage plants, healthcare settings, pharmaceutical facilities, and similar areas where clean air is required. FST Rigid Cell Filters are built with plastic separators and plastic or metal backing to hold the pleated media stable at any airflow for maximum media utilization. FST Rigid Cell is constructed with synthetic media and separators to resist microbial growth. FST Rigid Cells are offered in ASHRAE 52.2 ratings of 65%, 85%, and 95%.



Odor Removal Filters



Odor removal panel and box air filters contain activated charcoal that absorbs unpleasant odors and other gaseous contaminants in the air stream to improve indoor air quality. They are designed to be thrown out when they are spent. These carbon air filters are commonly installed in HVAC systems in commercial buildings, data centers, food and beverage facilities, hospitality sites, museums, artifact storage facilities, schools, and universities. Sizes are available in all of our standard pleated sizes, V Bank Sizes, and Rigid Box Sizes.

Standard Sizes

Available in Standard and High Capacity Options

1" sizes

10X10X1	14X25X1	18X25X1
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12X24X1	16X24X1	20X25X1
12X30X1	16X25X1	20X30X1
12X36X1	16X30X1	22X22X1
14X14X1	18X18X1	24X24X1
14X20X1	18X20X1	24X30X1
14X24X1	18X24X1	25X25X1

2" sizes

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16X16X2	20X25X2
16X20X2	20X30X2
16X24X2	24X24X2
16X25X2	24X30X2
16X30X2	25X25X2
18X20X2	

4" sizes

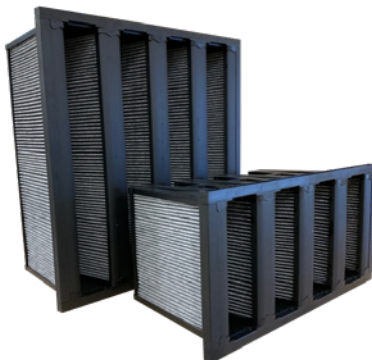
12X24X4
16X20X4
16X24X4
16X25X4
18X24X4
20X20X4
20X24X4
20X25X4
24X24X4
28X30X4

5" sizes

16X25X5
20X25X5

All sizes are available. Just ask about our custom sizes.

V-Bank Odor Removal Filters



Diesel Exhaust Filters



Dust Collector Filters

FST dust collector cartridges are high quality dust filter cartridges capable of removing contaminants such as sand, blasting media, dry powder, cement and more from the air. Dust collector cartridges are commonly used in industrial processes like grinding, sanding, chemical processing, printing, etc. Customizable options include filtration media, end cap style, outer configuration and pleat/material configurations. We can replace every major manufacture of cartridge style dust collectors.





FST Filtration is a family owned manufacturing & engineering company. Since 2001, FST has manufactured OEM and after market filters for a wide array of applications. Our commitment to quality, price, indoor air quality, and lead time are the focus of our filtration family. Our goal is to custom build and supply your existing filter at a higher quality with factory direct pricing. Visit our website and see what we can build for you.

FSTfiltration.com

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