

Glass fiber roll – paint booth filter

Glass fiber filter rolls used in pre-filtration and surface coating applications, are to collect over spray paint and dust particles. Clean manufacture the highest quality fiberglass media in China . Wonderful fluffy , high rebound and long use life . Available in regular rolls , and can be cut to custom size.

Fiberglass roll

- Material : Glass fiber
- Temperature resistance:270 °C
- Thickness:50mm,75mm,100mm and custom size
- Filtration rate:G2,G3,G4



Thickness (mm)	Test air velocity (m/s)	Initial resistance (pa)	Dust holding capacity (g/m²)	Standard size (m)	Temperature resistance (°C)	Filtration class
60	1.5	≤20	3200	1*20/ 2*20	170	G3
100	1.5	≤25	4500		170	G4

Ceiling filter– paint booth filter

A paint booth ceiling filter is a type of air filtration system used in paint booths to remove impurities and contaminants from the air. These filters are typically installed in the ceiling of the booth and work by trapping overspray and other particles that are released during the painting process.

Clean choose fracture resistance synthetic fibers to manufacture high quality ceiling filter rolls .This kind of filters are installed on paint booth ceiling to filter inlet air.

Ceiling filter

- Material : synthetic fiber
- Temperature resistance : 65 - 150 °C
- Filtration rate : F5
- Filtration efficiency : 85%-99%



Size (m)	Air velocity (m/s)	Initial resistance (pa)	Final pressure drop (pa)	Dust holding capacity (g/m ²)	Rated air flow (m ³ /h)	Filtration class
2*20 / 2*21 / 1.6*21 / 1.6*14	0.25	≤30	450	480	900	F5
	0.25	≤25	450	450	900	F5

Activated carbon roll

Activated carbon roll is a type of air filter material made from activated carbon, which is a highly porous form of carbon that is treated with oxygen to open up millions of tiny pores between the carbon atoms. These pores create a large surface area, allowing the activated carbon to effectively absorb and trap pollutants, chemicals, and odors from the air. Activated carbon rolls are commonly used in various air filtration applications, such as in air purifiers, HVAC systems, and industrial processes.

Activated carbon roll

- **Material** :polyester and activated carbon powder
- **Temperature resistance** : recommend 0-50 °C
- **Size** : standard and custom size
- **Used in air purifiers, HVAC systems, and industrial processes to improve indoor air quality and reduce the risk of respiratory problems**



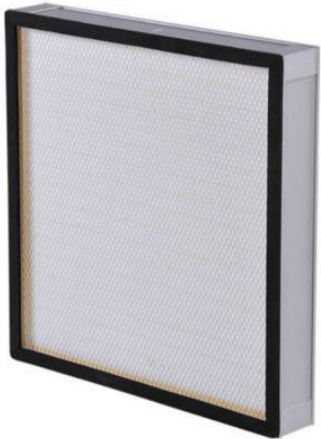
Specification	Description
Material	Non-woven polyester or other synthetic materials impregnated with activated carbon
Thickness	Available in various thicknesses, typically ranging from 1/8 inch to 2 inches
Efficiency	Can remove up to 90% of volatile organic compounds (VOCs), smoke, fumes, and unpleasant odors from the air

Mini-pleat HEPA filter

Mini-pleat HEPA filters are constructed from a series of pleated layers of fine glass fibers that are arranged in a V-shape to maximize surface area and air flow. The pleats are typically spaced very close together, with a separation distance of only a few millimeters, which creates a high-density filter with a large surface area.

Mini-pleat HEPA filter

- Material : glass fiber filter paper / PP filter paper
- Temperature resistance : 120 °C
- Size : standard and custom size
- Filtration rate : H13,H14



Length* width*de pth(mm)	Rated airflow(m ³ /h)	Filter area(m ²)	Dusting holding capacity(g /m ²)	Initial pressur e drop(Pa)	Finial pressure drop(Pa)	Filtration efficiency (0.03um)
484*484 *50	500	4.6	300	≤220	400	≥99.99%
610*610 *50	800	7.5	450	≤220	400	≥99.99%
305*305 *69	260	2.5	150	≤220	400	≥99.99%
484*484 *69	700	6.6	400	≤220	400	≥99.99%
610*610 *69	1100	10.7	650	≤220	400	≥99.99%
915*610 *69	1600	16	950	≤220	400	≥99.99%
1220*610 *69	2200	21.3	1000	≤220	400	≥99.99%



Mini-pleat HEPA filter

Length* width*de pth(mm)	Rated airflow(m ³ /h)	Filter area(m ²)	Dusting holding capacity(g /m ²)	Initial pressur e drop(Pa)	Finial pressure drop(Pa)	Filtration efficiency (0.03um)
610*610 *90	1500	14.9	900	≤220	400	≥99.99%
915*610 *90	2000	22.3	1200	≤220	400	≥99.99%
1220*610 *90	2800	29.8	1800	≤220	400	≥99.99%

Deep-pleat HEPA filter

A deep pleat HEPA filter is a type of high-efficiency air filter that is used to remove small particles from the air, such as dust, pollen, and other allergens. HEPA stands for High-Efficiency Particulate Air, and filters with this designation are able to remove at least 99.97% of particles that are 0.3 microns or larger in size.

Deep-pleat HEPA filter

- Material : glass fiber filter paper / PP filter paper
- Separators : yes
- Working temperature : 0-80 °C
- Temperature resistance : 120 °C
- Size : standard and custom size
- Filtration rate : H13,H14,H15



Length*width*depth(mm)	Rated airflow(m ³ /h)	Filter area(m ²)	Initial pressure drop(Pa)	Final pressure drop(Pa)	Filtration efficiency (0.03um)
484*484*150	530	6.0	≤220	400	≥99.97%
610*610*150	1000	9.7	≤220	400	≥99.97%
1220*610*150	2000	19.3	≤220	400	≥99.97%
484*484*220	1000	9.8	≤220	400	≥99.97%
610*610*220	1600	15.8	≤220	400	≥99.97%



Deep-pleat HEPA filter

Length*width*depth (mm)	Rated airflow(m³/h)	Filter area(m²)	Initial pressure drop(Pa)	Finial pressure drop(Pa)	Filtration efficiency (0.03um)
1220*610*220	3000	31.6	≤220	400	≥99.97%
610*610*292	1700	17.6	≤220	400	≥99.97%
1220*610*292	3400	33.6	≤220	400	≥99.97%

FFU HEPA filter

FFU HEPA filters are the main and final filter in fan filter units . There are two type of design to choose : the regular seal type and gel seal type. The seal type HEPA filter has a better tightness and designed for more demanding environment.

FFU HEPA filters

- Material : glass fiber filter paper
- Separators : yes
- Seal : regular seal and gel seal
- Size : standard and custom size
- Filtration rate : H13,H14,H15



Length*width h*depth (mm)	Rated airflow(m³/h)	Initial pressure drop(Pa)	Filtration efficiency (0.03um)	Filtration class
600*600*69	650	125	≥99.99%	H13.H14,H15
570*570*69	550	125	≥99.99%	
600*1210*69	1300	125	≥99.99%	
570*1170*69	1200	125	≥99.99%	

Fan filter unit (FFU)

A fan filter unit (FFU) is a type of motorized air filtering equipment. It is used to supply purified air to cleanrooms, laboratories, medical facilities or microenvironments by removing harmful airborne particles from recirculating air.[1] The units are installed within the system's ceiling or floor grid.

FFU HEPA filters

- Material : glass fiber filter paper
- Separators : yes
- Size : standard and custom size
- Filtration rate : H13,H14,H15



FFU size (mm)		608*608*320	578*578*320	608*1218*320	578*1178*320
HEPA filter(U LPA optional)	Size (mm)	600*600*69	570*570*69	600*1210*69	570*1170*69
	Rated air flow (m³/h)	650	550	1300	1200
	Velocity (m/s)	0.35-0.6	0.35-0.6	0.35-0.6	0.35-0.6
	Filtration efficiency (0.3um)	99.99%	99.99%	99.99%	99.99%
	Initial pressure drop (pa)	125	125	125	125
Pre filter	Size (mm)	390*390*21	390*390*21	490*490*21	490*490*21
	Filtration class (optional)	G3	G3	G3	G3
	Initial pressure drop (Pa)	40	40	40	40



Fan filter unit (FFU)

Fan brand	EBM	EBM	EBM	EBM
Power	220V/50HZ or optional			
static pressure (Pa)	50-100			
Noise	<60db			

Pocket bag filter

A pocket air filter, also known as a bag filter, is a type of air filter that is commonly used in HVAC (heating, ventilation, and air conditioning) systems.

The filter is made up of a series of pockets, usually made of synthetic materials, that are stitched together to create a large surface area for filtering air. The pockets are typically arranged in a V-shaped configuration to promote even airflow and reduce resistance.

Pocket air filters are designed to capture a wide range of airborne particles, such as dust, pollen, mold spores, and bacteria. They are commonly used in commercial and industrial settings, as well as in residential HVAC systems.

One of the benefits of pocket air filters is their high dust-holding capacity, which means they can capture a significant amount of airborne particles before needing to be replaced. They are also relatively easy to install and maintain.

Pocket filter

- Material : synthetic fibers/non-woven fibers/fiberglass/activated carbon
- Temperature resistance : 270 °C
- Size : standard and custom size
- Filtration class : G4-F9



Filtration class	Width*length*depth (mm)	Pocket amounts	Filter area(m ²)	Pressure drop at rated airflow {pa/(m ³ /h)}		
				45/2550	55/3400	75/4250
F5	592*592*600	6	4.4	45/2550	55/3400	75/4250
	290*592*600	3	2.2	45/1250	55/1700	75/2100



Pocket bag filter

Filtration class	Width*length*depth (mm)	Pocket amounts	Filter area (m ²)	Pressure drop at rated airflow {pa/(m ³ /h)}		
F5	592*592*600	8	5.6	40/2550	50/3400	70/4250
	290*592*600	4	2.8	50/1250	50/1700	75/2100
F6	592*592*600	6	4.4	50/2550	60/3400	80/4250
	290*592*600	3	2.2	50/1250	60/1700	80/2100
	592*592*600	8	5.6	45/2550	55/3400	75/4250
	290*592*600	4	2.8	45/1250	55/1700	75/2100
F7	592*592*600	6	4.4	58/2550	70/3400	105/4250
	290*592*600	3	2.2	58/1250	70/1700	105/2100
	592*592*600	8	5.6	52/2550	62/3400	95/4250
	290*592*600	4	2.8	52/1250	60/1700	95/2100



Pocket bag filter

Filtration class	Width*length*depth (mm)	Pocket amounts	Filter area(m²)	Pressure drop at rated airflow {pa/(m³/h)}		
F8	592*592*600	6	4.4	67/2550	90/3400	115/4250
	290*592*600	3	2.2	67/1250	90/1700	115/2100
	592*592*600	8	5.6	60/2550	80/3400	100/4250
	290*592*600	4	2.8	60/1250	80/1700	100/2100
F9	592*592*600	6	4.4	75/2550	126/3400	216/4250
	290*592*600	3	2.2	75/1250	126/1700	216/2100
	592*592*600	8	5.6	65/2550	50/3400	115/4250
	290*592*600	4	2.8	65/1250	50/1700	115/2100

V-bank filter

V-type filters are a type of air filter that are commonly used in HVAC (Heating, Ventilation, and Air Conditioning) systems to remove airborne particles from the air. They are called "V-type" filters because they are made up of a series of V-shaped pleats that increase the surface area of the filter and provide a larger filtration area.

V-type filters are available in different levels of efficiency, typically measured by their MERV (Minimum Efficiency Reporting Value) rating. The higher the MERV rating, the more efficient the filter is at trapping airborne particles such as dust, pollen, and pet dander.

V-bank filter

- Material : glass fiber/ synthetic/polyester
- Size : standard and custom size
- Filtration rate : F8 / H10 / H13



Length*width *depth (mm)	Filter area(m ²)	Pressure drop(Pa)/rated airflow(m ³ /h)		
		F8	H10	H13
287*592*292	8.4	90/1600	180/1600	240/1600
592*592*292	18.8	90/3200	180/3200	240/3200
305*610*292	13.5	90/1800	180/1800	240/1800
610*610*292	27	90/3600	180/3600	240/3600

Panel pleated filter – metal frame

A panel pleated filter is a type of air filter commonly used in HVAC (Heating, Ventilation, and Air Conditioning) systems to improve indoor air quality. This filter consists of a series of pleats or folds that increase its surface area, allowing it to trap more particles and contaminants from the air.

Panel pleated filter

- Material : polyester synthetic fiber
- Advantage : low wind resistance
- Size : standard and custom size
- Filtration rate : G4-F9



Width*length* depth (mm)	Rated airflow(m³/h)	Initial pressure drop(Pa)	Final pressure drop (Pa)	Filtration efficiency
595*595*46	3200	≤30	250	85%
495*595*46	2700	≤30	250	85%
295*595*46	1600	≤30	250	85%
495*495*46	2200	≤30	250	85%

Panel pleated filter – cardboard frame

Cardboard panel pleated filter is disposable . The cardboard frame reduce cost .
A panel pleated filter is a type of air filter commonly used in HVAC (Heating, Ventilation, and Air Conditioning) systems to improve indoor air quality. This filter consists of a series of pleats or folds that increase its surface area, allowing it to trap more particles and contaminants from the air.

Cardboard panel pleated filter

- Material : polyester fiber
- Advantage : large filter area , low initial resistance , large dust holding capacity, economical , disposable
- Size : standard and custom size
- Filtration rate : G3,G4,F5



Size (mm)	Rated airflow(m³/h)	Initial pressure drop(Pa)	Finial pressure drop(Pa)	Filtration efficiency (10um)	Filtration class
595*595*25	2400	≤65	260	80%	G3
595*295*25	1100	≤65	≤260	80%	G3
595*595*46	3400	≤70	280	90%	G4
295*295*46	800	≤70	280	90%	G4
595*595*96	3400	≤80	320	95%	F5
595*295*96	1500	≤80	320	95%	F5

Box-type HEPA filter

A box-type HEPA filter is a type of air filter that is designed to capture extremely small particles, including allergens, dust, and other pollutants, in the air. HEPA stands for High Efficiency Particulate Air, and these filters are designed to meet certain standards for particle filtration efficiency.

Box-type HEPA filters are typically used in HVAC (heating, ventilation, and air conditioning) systems to improve indoor air quality in buildings. They are made up of a rectangular frame that contains a dense, pleated filter media made of glass fibers. The pleats provide a larger surface area for air to flow through and capture more particles.

Box-type HEPA filter

- Media material : glass fiber
- Size : standard and custom size
- Partition material : hot melt rubber
- Sealant : polyurethane rubber
- Frame : aluminum alloy
- Filtration rate : H13,H14



Length *width*depth (mm)	Rated airflow(m³/h)	Initial pressure drop(Pa)	Finial pressure drop(Pa)	Filtration efficiency
595*592*295	3600	≤ 160	600	90 99
296*592*295	1800	≤160	600	99.9 99.99

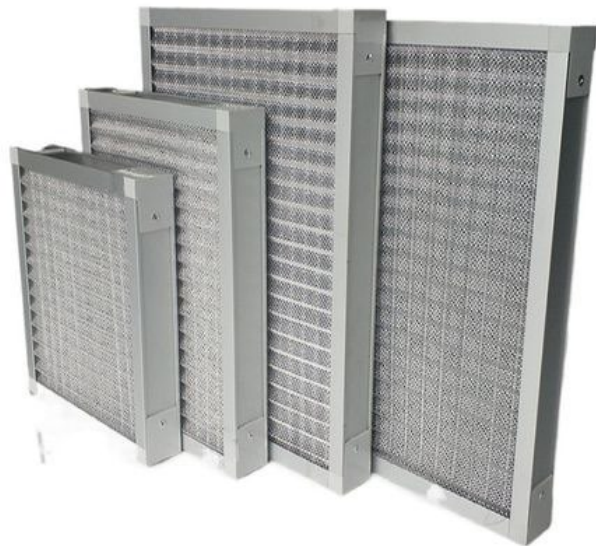
Metal mesh filter

Metal mesh filter is a type of filter made from woven metal wires or strands that are arranged in a grid-like pattern to form a porous mesh structure. These filters are commonly used in various industrial, commercial, and residential applications to filter air, fluids, and gases.

Metal mesh filters offer several advantages over other types of filters, including high durability, resistance to corrosion and heat, and the ability to handle high flow rates. They are also reusable, easy to clean, and environmentally friendly, making them a cost-effective and sustainable option.

Metal mesh filter

- Media material : metal wires
- Frame material : aluminum alloy/stainless steel/galvanized sheet
- Protective nets : aluminum alloy/stainless steel
- Advantage : reusable and long use life , design for particles bigger than 10um
- Size : standard and custom size
- Filtration rate : G2



Length * width * depth (mm)	Rated airflow(m³/h)	Initial pressure drop(Pa)	Final pressure drop (pa)	Filtration efficiency	Filtration class
595*595*21	4000	25	100	40	G2
595*290*21	2000	25	100	40	G2
595*595*25	3800	25	100	40	G2



Metal mesh filter

Length * width * depth (mm)	Rated airflow(m³/h)	Initial pressure drop(Pa)	Final pressure drop (pa)	Filtration efficiency	Filtration class
595*290*25	1900	25	100	40	G2
595*595*46	3600	25	100	40	G2
595*290*46	1800	25	100	40	G2

Activated carbon panel filter

An activated carbon panel filter is a type of air filter that uses activated carbon as a filtering material. Activated carbon is a highly porous substance with a large surface area that can effectively adsorb gases, odors, and volatile organic compounds (VOCs) from the air. The activated carbon panel filter is typically made up of a pleated or flat panel of activated carbon material that is enclosed in a frame.

Activated carbon panel filters are commonly used in commercial and industrial applications such as HVAC (Heating, Ventilation, and Air Conditioning) systems, hospitals, laboratories, and manufacturing facilities to remove unpleasant odors and harmful chemicals from the air. These filters are also used in residential settings to improve indoor air quality and reduce exposure to harmful pollutants.

Activated carbon panel filters have a relatively low resistance to air flow, which means they can efficiently filter air without restricting air flow through the system. They are easy to install, replace, and maintain, making them a popular choice for air filtration applications.

Activated carbon panel filter

- Media material : polyester media with activated carbon powder / activated carbon granules
- Frame : Galvanized Aluminum Sheet
- Size : standard and custom size



Length*width*thickness (mm)	Rated airflow(m ³ /h)	Initial pressure drop(Pa)
595*595*46	3200	40
595*495*46	2700	40



Activated carbon panel filter

Length*width*thickness (mm)	Rated airflow(m³/h)	Initial pressure drop(Pa)
595*295*46	1600	40
495*495*46	2200	40
495*295*46	1300	40
295*295*46	800	40

Nylon mesh filter

Nylon mesh filters are commonly used in a wide range of applications where a physical barrier is required to separate or filter out particles or substances. These filters consist of a woven mesh made from nylon fibers, which are known for their durability, strength, and resistance to wear and tear.

Nylon mesh filters are often used in laboratories, manufacturing processes, and even in home brewing to filter liquids, gases, and other materials. They can be used to filter out impurities, particulates, and debris from various fluids, such as water, oils, and chemicals. They are also used to filter air, for example, in HVAC systems or as part of air purifiers.

Nylon mesh filter

- Material : nylon fabric
- Size : standard and custom size
- Advantage : high airflow , low wind resistance , acid and alkali resistance , long use life
- Filtration class : G2



Length * width * thickness(m m)	Rated airflow(m³/h)	Initial pressure drop(Pa)	Finial pressure drop(Pa)	Filtration class
595*595*10/21	4000	25	100	G2
595*495*10/21	2700	25	100	G2



Nylon mesh filter

Length * width * thickness(m m)	Rated airflow(m³/h)	Initial pressure drop(Pa)	Finial pressure drop(Pa)	Filtration class
595*295*10/21	2000	25	100	G2
495*495*10/21	2200	25	100	G2

Activated carbon pocket filter

A carbon pocket filter is a type of air filter that uses activated carbon to remove impurities and odors from the air. The filter is made up of a layer of activated carbon contained within a pocket. The activated carbon is a porous material with a large surface area that attracts and absorbs impurities, such as chemicals, gases, and odors, from the air passing through it.

Activated Carbon Pocket Filter

- **Filter Media:** Activated carbon
- **Frame Material:** Galvanized steel or plastic
- **Pocket Depth:** 2" to 6"
- **Filter Dimensions:** Customizable, typically ranging from 12" x 12" to 24" x 24"



Length*width*depth (mm)	Rated airflow(m³/h)	Filter area(m²)	Initial pressure drop(Pa)	Pockets amount
287*592*600	1700	2.3	20	3
490*592*600	2800	3.8	20	5
592*592*600	3400	4.5	20	6

High temperature media

High temperature media is used in the automotive factory paint booth . Thanks to its high temperature resistance, this media work well to collect over spray mist in high temperature paint line.

High temperature media

- Material : special synthetic fiber
- Temperature resistance : 180 °C
- Size : standard and custom size



Length(m) * width (m) * thickness(m m)	Rated air velocity (m/s)	Rated air flow (m³/h)	Weight (g/m²)	Dust holding capacity(g/m²)	Initial pressure drop (Pa)	Final pressure drop(Pa)	Filtration efficiency (%)	Filtration class
20*0.8/1.6*10	1.0	3600	250	550	25	100	88	G4
20*0.8/1.6*20	1.0	3600	280	580	45	180	90	G4

Paint booth concertina filter

A paint booth concertina filter is a type of filter commonly used in paint booths to remove particulate matter from the air before it is released into the environment. The filter is made up of accordion-like layers of media that are designed to capture and retain particles as air passes through them.

Paint booth concertina filter

- Material : high quality kraft paper
- Color : white, kraft paper primary color
- Recommended Air velocity : 0.5 to 1 m/s
- Recommended pressure drop : 128 pa
- Size : 1*10 m / 0.9*10 m / 0.75*10 m / 0.7*10 m / custom size
- Style : with polyester back or without



Pressure drop	Filtration rate (%)	Load lb / ft2
0.5m/s 20pa	Lacquers 97	Lacquers2.14
0.75m/s 30pa	High Solids 98.50	High Solids2.57
1.0m/s 40pa	Polyester 98.50	Polyester2.79