



## Fuji Air Filter Pte. Ltd.

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- P71 Disposable Hooded Terminal Filter
- P72 DOP Hooded Terminal Filter
- P73 Replaceable Hooded Terminal Filter





# COMPANY PROFILE



## Clean Air Is Our Promise

FUJI AIR FILTER is a high-tech company that combines product development, manufacturing, and sales of air cleaning products. FUJI AIR FILTER has always prioritized the creation and usage of air purification goods, stressing the need to combine autonomous innovation with the introduction of cutting-edge technology. FUJI AIR FILTER acquires top-notch filter manufacturing lines and testing apparatus. FUJI AIR FILTER's sales channels have progressively expanded throughout the globe in accordance with the "global thinking" business strategy, offering the most complete and cutting-edge clean air solutions and services for benchmarking businesses and clients in numerous industries. We are at your side no matter where you are in the world.

In the field of air filtration and purification, selecting an air filter manufacturer with the goal of air purification is crucial. Only excellent, comprehensive, and high grade air filter could guarantee you a comfortable and healthy indoor air quality. The same holds true for wanting the air in the space to be both comfortable and healthful. FUJI AIR FILTER is adamant about upgrading air filters and purifying equipment to lower labour and maintenance costs. It optimizes your project while giving the customer consistent efficiency and cost savings. FUJI AIR FILTER provides sophisticated, premium, fair, and affordable productions and service support for all industries worldwide. No matter what sector you're in, what scale or model you choose, working with FUJI AIR FILTER will provide you a sense of security, confidence, and trustworthiness.

As a supplier to the worldwide air purification market, FUJI AIR FILTER offers a long-term guarantee on safety, supports technology, and conducts detailed demand analysis using data and facts. The goal is to provide clients with expert guidance, complete specifications, operating costs, and flawless service.

FUJI AIR FILTER's extensive range of finished series products can meet any cleanroom requirement, from conventional ventilation air filters, and cleanroom equipment for various occasions and needs. From the perspective of our client, we create superior goods and offer the best air purification solutions. In FUJI AIR FILTER, you will discover the ideal products that fits you.

If you're interested in learning more about products, kindly visit our website and get in touch with us.



Efficiency, Air Flow, Resistance Testing Machine



Combination Folding Machine



HEPA Media Pleating Machine

## Automatic Media Pleating Machine

FUJI AIR FILTER uses an automatic media pleating equipment that can create ULPA filters with supersized, non-stitching micro pleats up to 1500 mm in width. Additionally, this machine's colour sensor allows for diverse glue mode, and each component can be operated separately. A vast array of filtration media, with consistent quality and large manufacturing capacity, could be produced, such as glass fibre, PTFE, PP, PET, teflon, and wood paper.

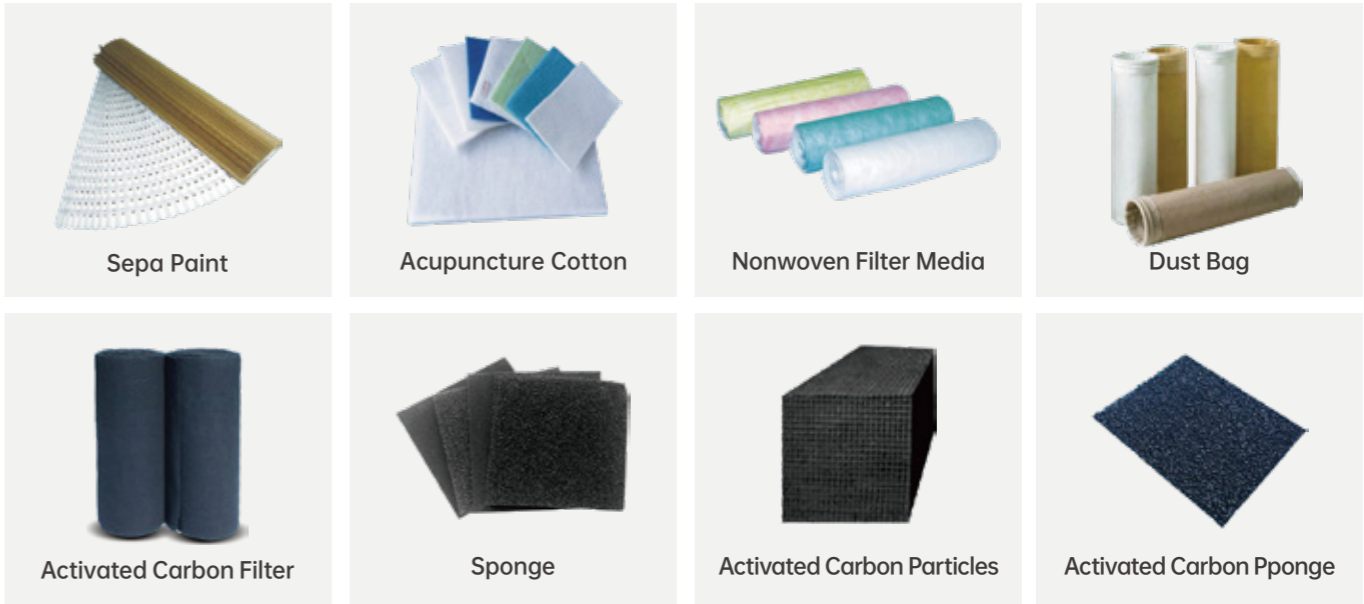
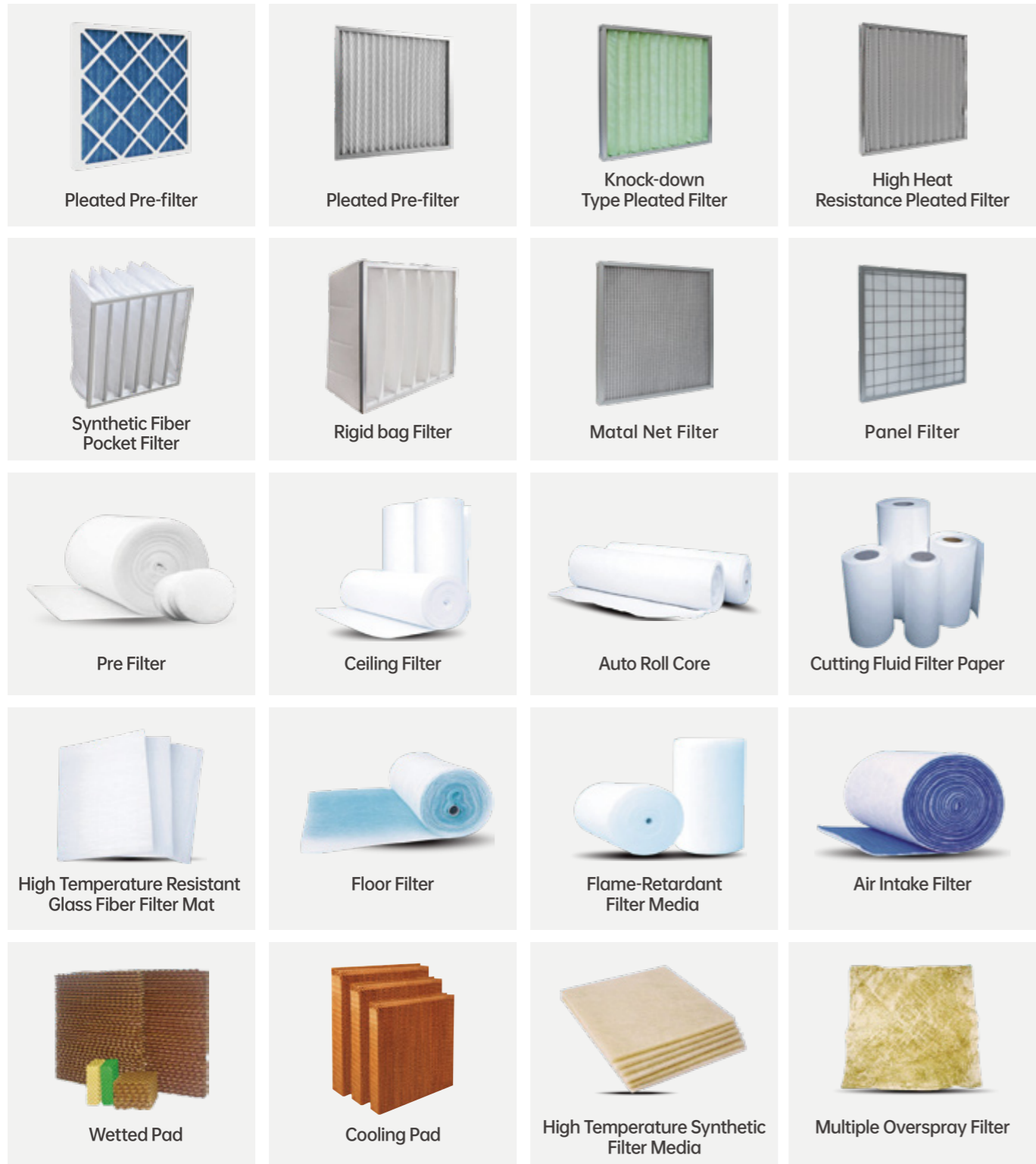


## Advanced Equipment

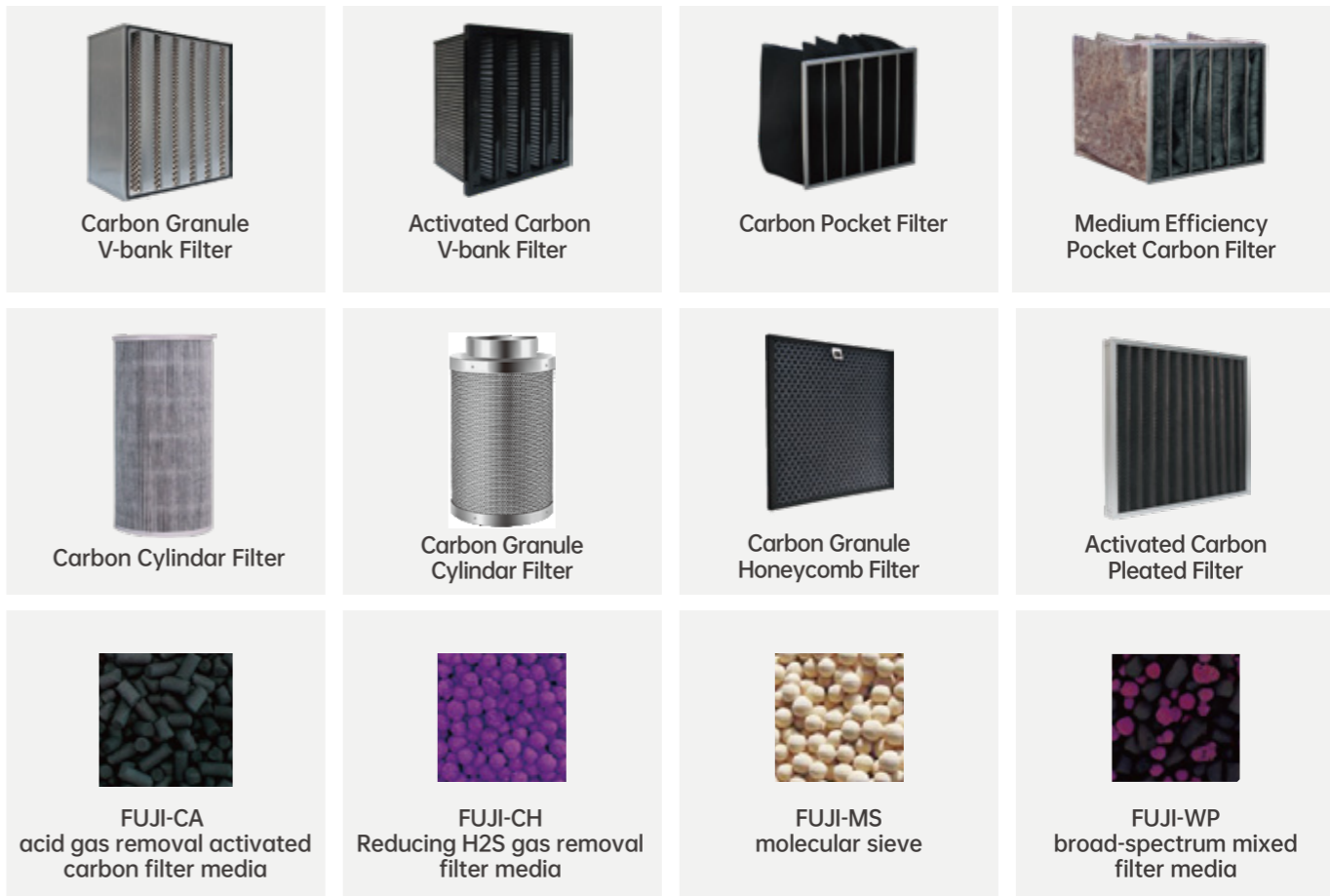
In addition to acquiring state-of-the-art filter media production machinery, FUJI AIR FILTER also acquired a comprehensive testing apparatus and management system to ensure superior product quality. Leak detection of different kinds of HEPA filters can be done with the help of the automatic PAO detection platform. With a 100% guarantee on filter quality and efficiency, the apparatus will thoroughly scan the filter and identify any leakage points in accordance with the efficiency settings. Two air ducts for various filter efficiencies are obtained by the U-level filter efficiency, air flow, and resistance testing equipment. The test results are automatically shown on the computer screen and produce a test report, ensuring that every filter is certified for standard requirements.

# Product Overview

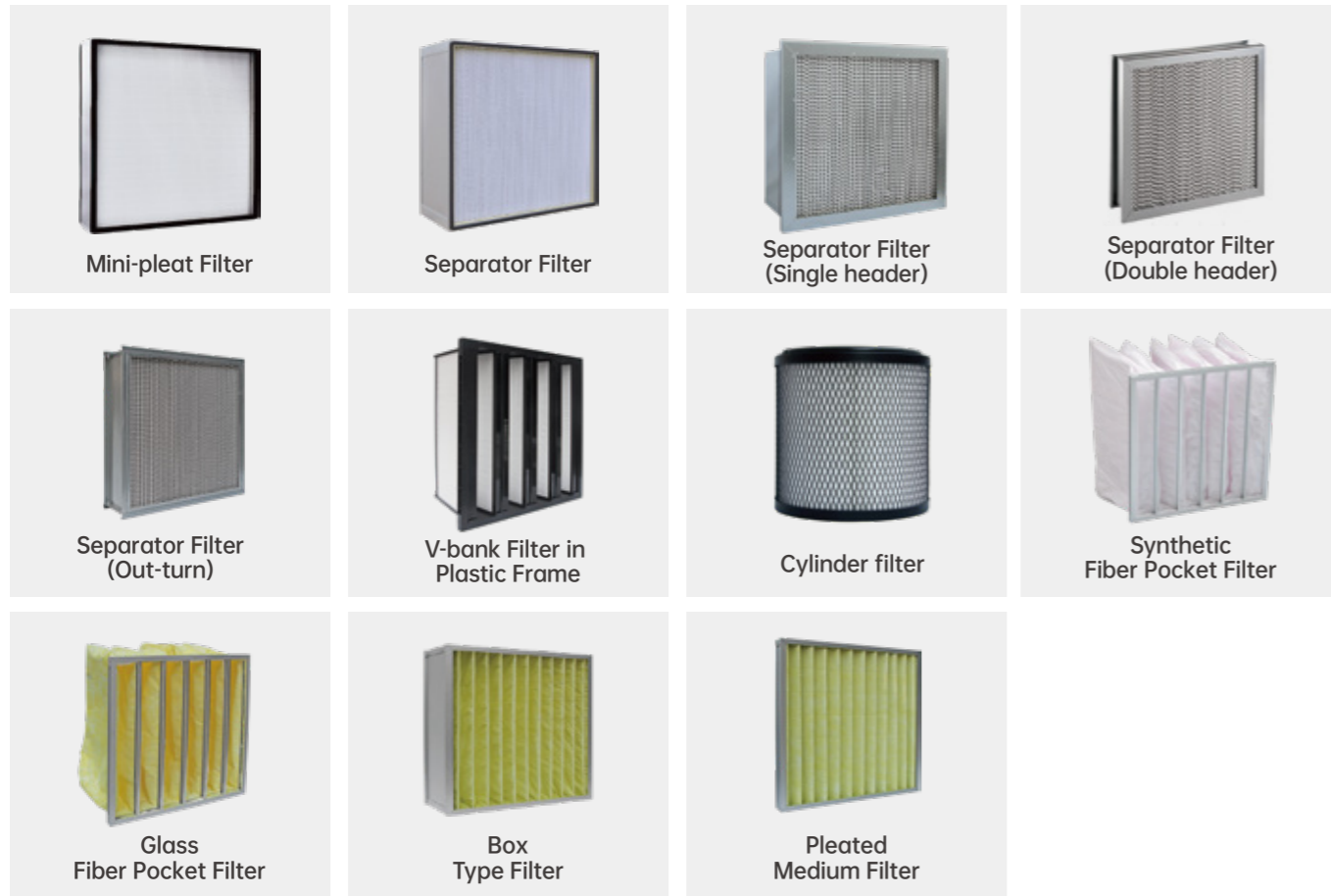
## 01 PRE FILTER SERIES



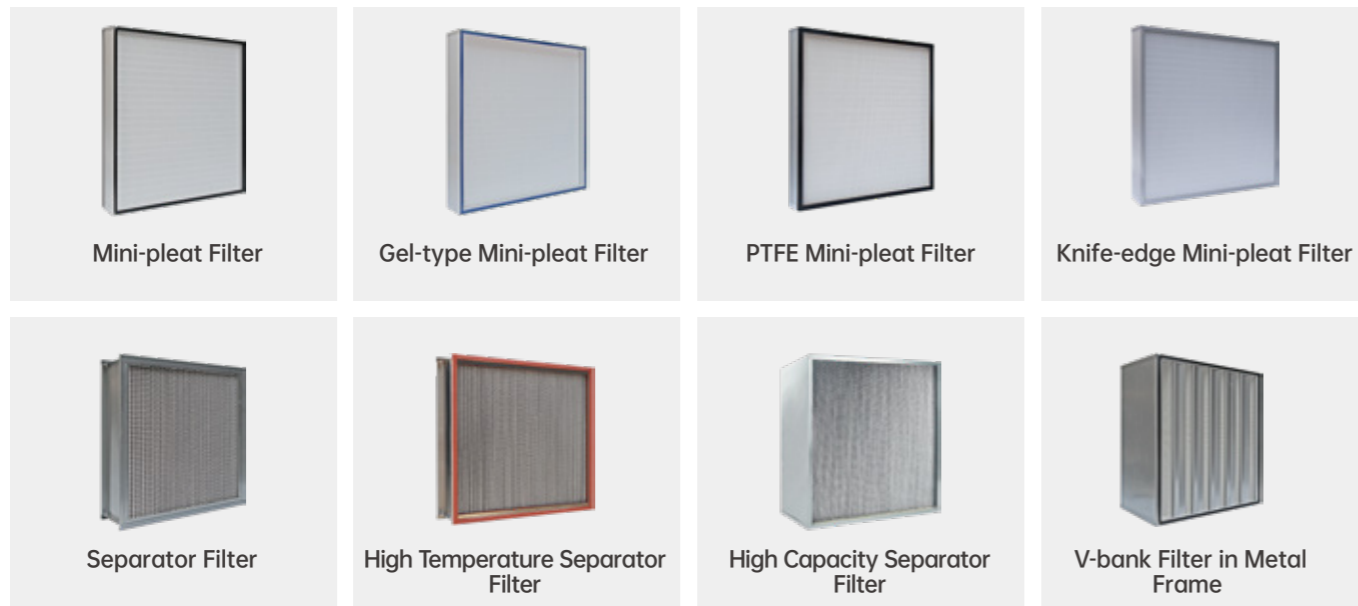
## 02 CHEMICAL FILTER SERIES



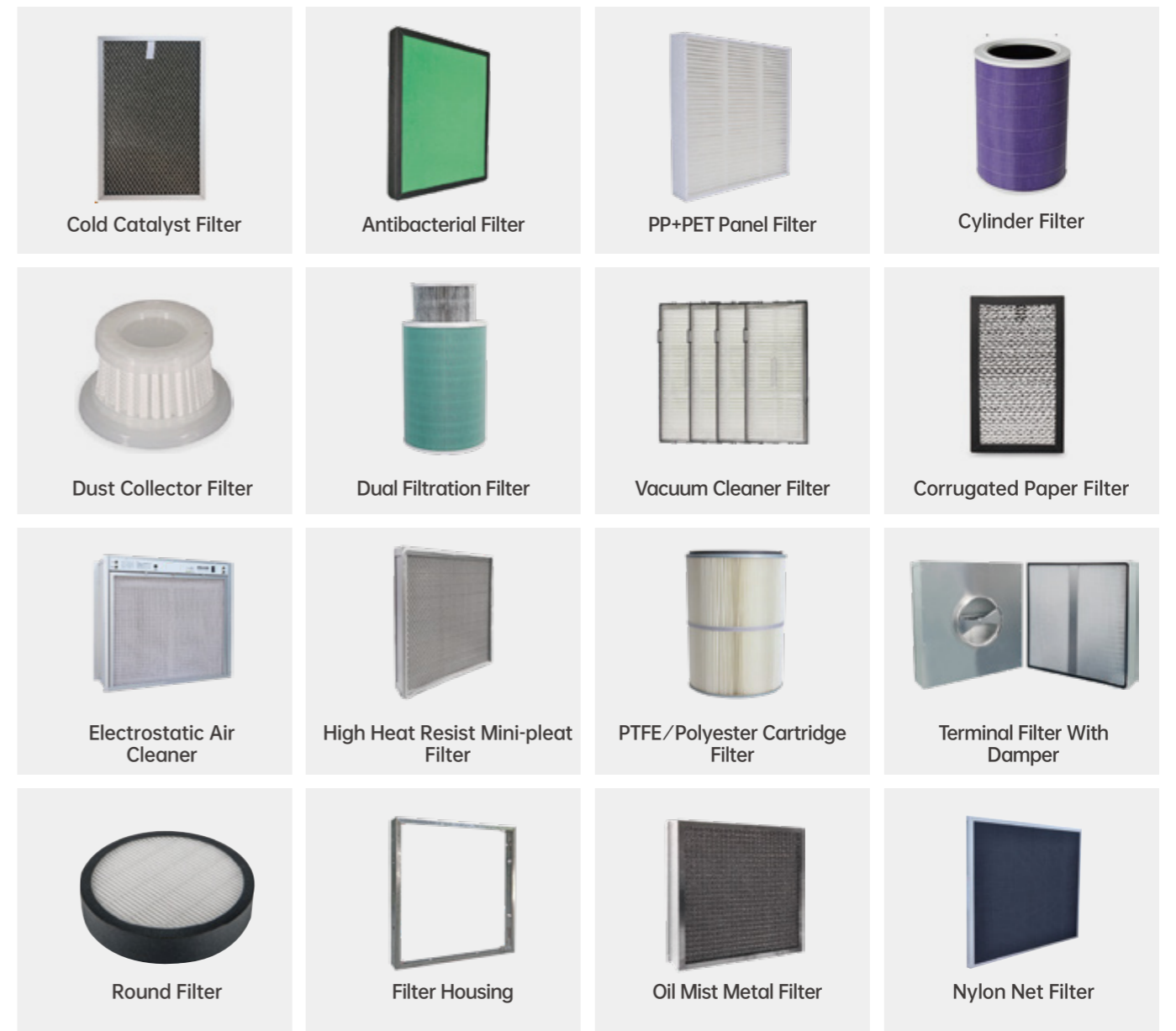
### 03 MEDIUM FILTER SERIES



### 04 HEPA FILTER SERIES



### 05 OTHER FILTER SERIES



# Filtration Standards

ASHRAE 52.2, ISO16890, EN779, EN1882

Filter Grade	Efficiency	ASHRAE Standard 52.2-2012			ISO16890: 2016				EN	EN779: 2012							
		Min. Efficiency Reporting Value	Composite Average Particle Size Efficiency (Em)% in Size Range, µm			Average of initial and discharged efficiency $E_m = (E_i + E_d)/2$		Initial efficiency (E)		Initial Arrestance (A <sub>m</sub> )	Filter Class	Average Arrestance (A <sub>m</sub> ) of Synthetic Dust	Average Efficiency (E <sub>m</sub> ) at 0.4µm	Minimum Efficiency (E <sub>min</sub> ) at 0.4µm			
			Range 1	Range 2	Range 3	ePM1 (%)	ePM2.5 (%)								ePM10 (%)	Coarse (%)	Test Final dP 250Pa
Coarse Filters (G Class)	Gravimetric	60%	1		E <sub>m</sub> < 20					G1	50 ≤ A <sub>m</sub> ≤ 65						
			2		E <sub>m</sub> < 20				Am < 50 Final dP 200 Pa								
			3		E <sub>m</sub> < 20												
			4		E <sub>m</sub> < 20												
			5		E <sub>m</sub> < 20												
			6		E <sub>m</sub> ≥ 35												
			7		E <sub>m</sub> ≥ 50												
			8		E <sub>m</sub> ≥ 20	E <sub>m</sub> ≥ 70								Am < 50 Final dP 300 Pa			
9		E <sub>m</sub> ≥ 35	E <sub>m</sub> ≥ 75														
10		E <sub>m</sub> ≥ 50	E <sub>m</sub> ≥ 80														
11	E <sub>m</sub> ≥ 20	E <sub>m</sub> ≥ 65	E <sub>m</sub> ≥ 85														
12	E <sub>m</sub> ≥ 35	E <sub>m</sub> ≥ 80	E <sub>m</sub> ≥ 90		E <sub>i</sub> ≥ 50												
13	E <sub>m</sub> ≥ 50	E <sub>m</sub> ≥ 85	E <sub>m</sub> ≥ 90	E <sub>m</sub> ≥ 50	E <sub>i</sub> ≥ 80												
14	E <sub>m</sub> ≥ 75	E <sub>m</sub> ≥ 90	E <sub>m</sub> ≥ 95	E <sub>m</sub> ≥ 70	E <sub>i</sub> ≥ 90												
15	E <sub>m</sub> ≥ 85	E <sub>m</sub> ≥ 90	E <sub>m</sub> ≥ 95	E <sub>m</sub> ≥ 80													
16	E <sub>m</sub> ≥ 95	E <sub>m</sub> ≥ 95	E <sub>m</sub> ≥ 95	E <sub>m</sub> ≥ 80													
Medium Filter (M Class)	Colorimetric	40%-45%							M5	40 ≤ E <sub>m</sub> ≤ 60							
Medium Filter (M Class)	Colorimetric	60%-65%							M6	60 ≤ E <sub>m</sub> ≤ 80							
Fine Filter (F Class)	Colorimetric	80%-85%							F7	80 ≤ E <sub>m</sub> ≤ 90		E <sub>min</sub> ≥ 35					
		90%-95%						F8					90 ≤ E <sub>m</sub> ≤ 95	E <sub>min</sub> ≥ 55			
		≥ 95%													F9	95 ≤ E <sub>m</sub>	E <sub>min</sub> ≥ 70

Filter Grade	Efficiency	IEST RP-CC001.5-2009			ISO 29463-1:2011		EN 1822:2009	
		MERV	Type	Integral Efficiency	Integral Efficiency at MPPS	Class	Integral Efficiency	
EPA Filter (E Class)	≥ 95% at 0.3µm	ASHRAE Std. 52.2-2007 MERV 16 >95% at 0.3µm-10.0µm			-		E10	≥ 85% at MPPS
	≥ 99% at 0.3µm	—			ISO 15E	≥ 95%	E11	≥ 95% at MPPS
					ISO 20E	≥ 99%	E12	≥ 99.5% at MPPS
					ISO 25E	≥ 99.5%		
HEPA Filter (H Class)	≥ 99.99% at 0.3µm	18	C	≥ 99.99% at 0.3µm	ISO 35H	≥ 99.95%	H13	≥ 99.5% at MPPS
	≥ 99.999% at 0.3µm	19	D	≥ 99.999% at 0.3µm	ISO 40H	≥ 99.99%	H14	≥ 99.995% at MPPS
				ISO 45H	≥ 99.995%			
ULPA Filte (U Class)	≥ 99.9995% at 0.1µm	20	F	≥ 99.9995% at 0.1µm-0.2µm ≥ 99.9995% at 0.2µm-0.3µm	ISO 50U	≥ 99.999%	U15	≥ 99.9995% at MPPS
					ISO 55U	≥ 99.9995%		
	≥ 99.99995% at 0.1µm	-	G Super ULPA	≥ 99.9999% at MPPS	ISO 60U	≥ 99.9999%	U16	≥ 99.99995% at MPPS
					ISO 65U	≥ 99.99995%		
	≥ 99.999995% at 0.1µm				ISO 70U	≥ 99.99999%		
				ISO 60U	≥ 99.999995%	U17	≥ 99.999995% at MPPS	

# Cleanrooms and air quality standards

A cleanroom is an enclosed space in which airborne particulates, contaminants, and pollutants are kept under control, within defined limits. They are used in industry for the manufacture of electronic components (such as integrated circuits or hard drives), vaccines or pharmaceutical / biotech products. The goal is to ensure that the environment is free from contaminating particles, inert or living (bacteria, viruses, or other microorganisms). In addition, temperature and humidity is generally controlled.

Cleanroom specifications for particulate matter are defined according to the maximum allowable particle diameter and to the maximum allowable number of particles per unit volume (cubic meters or cubic feet). In this context, clean room operation is based on four basic principles:

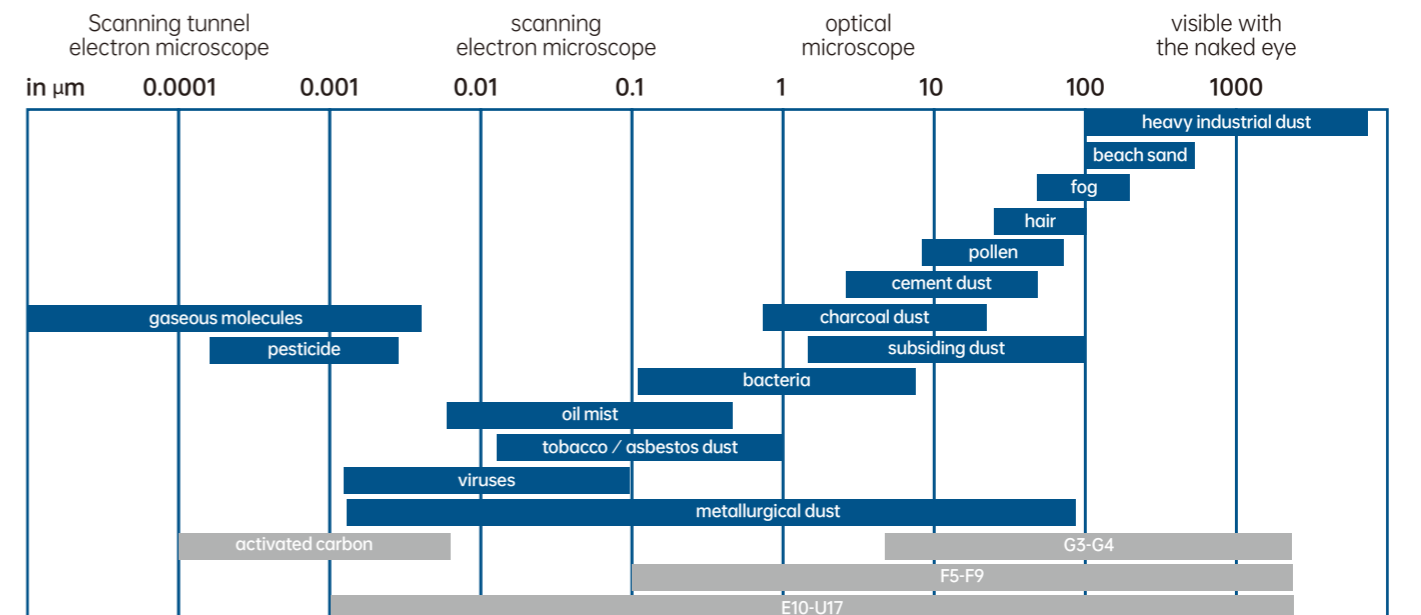
- Contaminants must not be introduced from the outside into the controlled environment;
- The equipment / activities in the clean room must not generate or give rise to contaminants;
- Contaminants must not get accumulated in the controlled environment
- Existing contaminants must be eliminated rapidly and to the greatest extent possible.

The main applicable international standard is ISO 14644-1:2015. It specifies the classification of air cleanliness in terms of concentration of airborne particles. ISO Class 1 is the most demanding level, and ISO Class 9 the less demanding.

## ISO 14644-1 Cleanroom Standards

Class	maximum particles/m <sup>3</sup>						FED STD 209W equivalent
	≥ 0.1 µm	≥ 0.2 µm	≥ 0.3 µm	≥ 0.5 µm	≥ 1 µm	≥ 5 µm	
ISO 1	10	2.37	1.02	0.35	0.083	0.0029	
ISO 2	100	23.7	10.2	3.5	0.83	0.029	
ISO 3	1,000	237	102	35	8.3	0.29	Class 1
ISO 4	10,000	2,370	1,020	352	83	2.9	Class 10
ISO 5	100,000	23,700	10,200	3,520	832	29	Class 100
ISO 6	1.0x10 <sup>6</sup>	237,000	102,000	35,200	8,320	293	Class 1000
ISO 7	1.0x10 <sup>7</sup>	2.37x10 <sup>6</sup>	1,020,000	352,000	83,200	2,930	Class 10000
ISO 8	1.0x10 <sup>8</sup>	2.37x10 <sup>7</sup>	1.02x10 <sup>7</sup>	3,520,000	832,000	29,300	Class 100,000
ISO 9	1.0x10 <sup>9</sup>	2.37x10 <sup>8</sup>	1.02x10 <sup>8</sup>	35,200,000	8,320,000	293,000	Room air

The table below illustrates the size of different particle categories



# ► PRE-FILTER SERIES

Pre-filters are air filters capture large dust particles and various obstacles size larger than 5µm. Widely applied as the primary filtration for general air-conditioning purification systems, ventilation systems and occasions with high dust concentrations. A pre-filter protects the main air filters from getting clogged up with debris so they can trap microscopic pollutants.

All ventilation, air conditioning, and purification systems with medium filters and HEPA filters should be equipped with pre filters.

FUJI pre-filter series divided into four types: Pleated filter, Bag filter, Panel filter, Filter materials.

## ① Pleated Filter



Pleated Pre-filter



Pleated Pre-filter



Knock-down Type Pleated Filter



High Heat Resistance Pleated Filter

## ② Bag Filter



Synthetic Fiber Pocket Filter



Rigid Bag Filter

## ③ Panel Filter



Metal Net Filter



Panel Filter

## ④ Filter Material



Pre Filter



Ceiling Filter



Auto Roll Core



Cutting Fluid Filter Paper



High Temperature Resistant Glass Fiber Filter mat



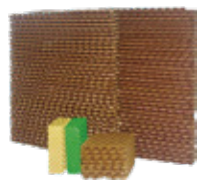
Floor Filter



Flame-Retardant Filter Media



Air Intake Filter



Wetted Pad



Cooling Pad



High Temperature Synthetic Filter Media



Multiple Overspray Filter



Sepa Paint



Acupuncture Cotton



Nonwoven Filter Media



Dust Bag



Activated Carbon Filter



Sponge

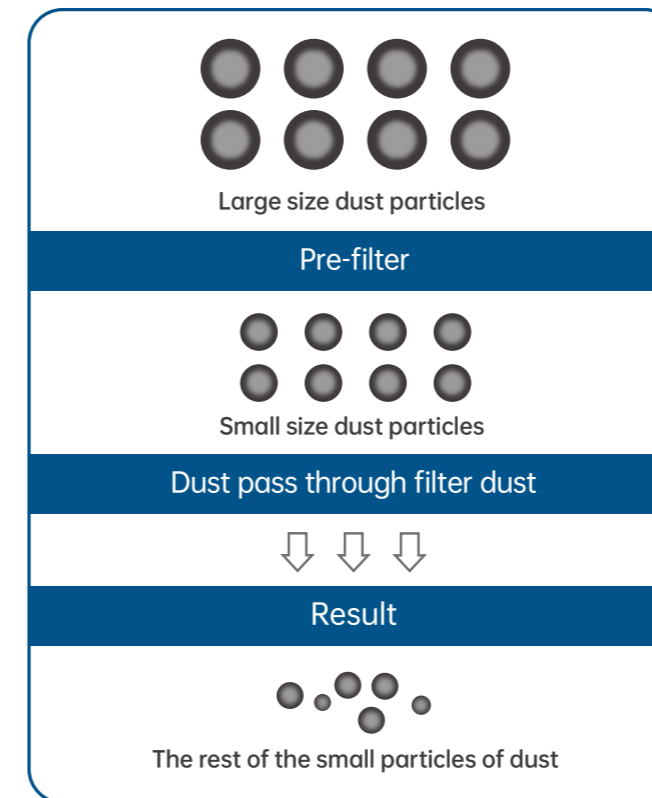


Activated Carbon Particles

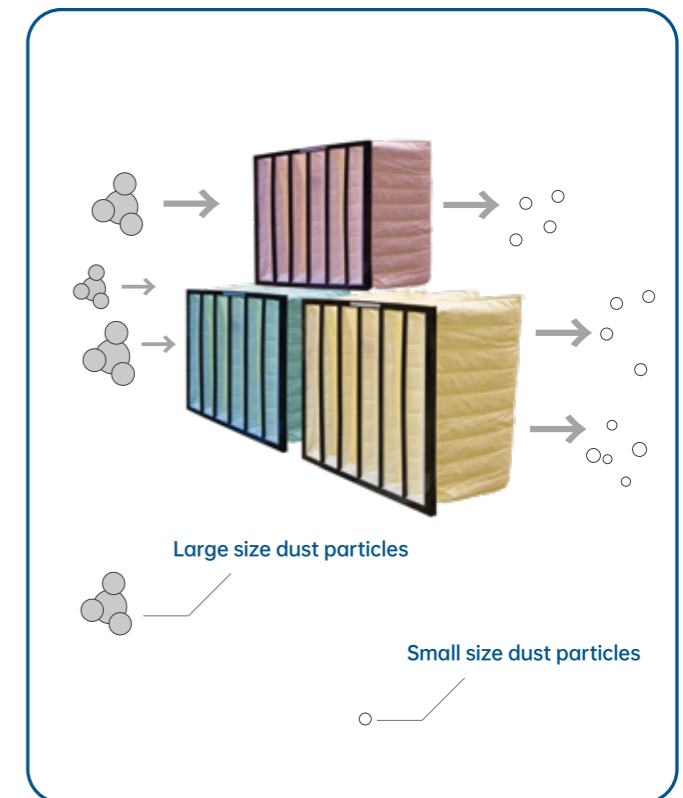


Activated Carbon Sponge

# FUJI Pre-filter Operating Principle



The Pre-filter only targets large size dust particles. The pre-filter offers a primary filtration or a first stage filtration before the medium-efficiency filter. After the large size dust particles pass through the Pre-filter, small size dust particles remain, and after the small size dust particles completely pass through the filtration steps, only little dust will remain.



Large size dust particles will be filtered out at the beginning of the filtration system with pre-filters, in order to protect the medium and HEPA filter at the ends. Pre-filters should be replaced generally every three months.



# Pleated Pre-filter

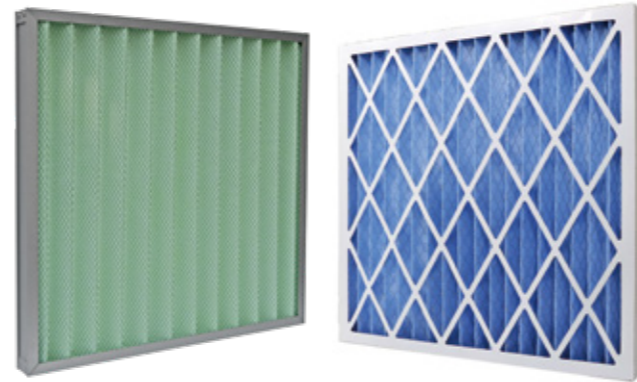
Adaptive Efficiency: G1, G2, G3, G4

## Product Features

- ⊙ Surface mesh used by rust treatment process, good appearance and durable
- ⊙ Save space
- ⊙ 100% Factory inspection
- ⊙ Washable (metal frame)
- ⊙ Large media area
- ⊙ Large dust holding capacity
- ⊙ Long life-span
- ⊙ Not easily deformation

## Application

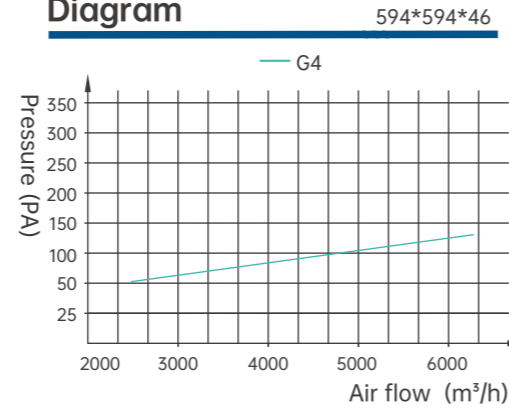
Pleated Pre-filter is widely used in all kinds of ventilation system for first stage filtration, to lengthen the life span of medium and HEPA filter's.



## Material and Operation Conditions

Media	Polyester fiber
Sealant	White latex or universal glue
Frame	Extruded aluminum/ Galvanized steel/ Aluminum sheet/ Cardboard/ Stainless steel
Optional aluminum frame thickness	21 25 46 50 69 80 90 96
Max. Temperature	50°C
Max. Humidity	Cardboard frame: 70% Other frame material: 100%

## Air Flow & Resistance Diagram



## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Gpleat-01	12*24*1	287*594*21	750	45	0.28	1.22	G4	Coarse 65%
Gpleat-02	12*24*1	292*594*21	800	45	0.29	1.28	G4	Coarse 65%
Gpleat-03	12*12*2	287*287*46	550	45	0.20	1.85	G4	Coarse 65%
Gpleat-04	12*24*2	287*594*46	1050	45	0.39	1.71	G4	Coarse 65%
Gpleat-05	20*20*2	495*495*46	1500	45	0.58	1.70	G4	Coarse 65%
Gpleat-06	24*24*2	594*594*46	2150	45	0.80	1.69	G4	Coarse 65%
Gpleat-07	12*12*4	287*287*96	800	45	0.29	2.70	G4	Coarse 65%
Gpleat-08	12*24*4	287*594*96	1550	45	0.57	2.53	G4	Coarse 65%
Gpleat-09	20*24*4	490*594*96	2500	45	0.97	2.39	G4	Coarse 65%
Gpleat-10	24*24*4	594*594*96	3200	45	1.17	2.52	G4	Coarse 65%
GpleatHC-01	12*24*1	287*594*21	1500	45	0.54	2.44	G4	ePM10 50%
GpleatHC-02	12*24*1	292*594*21	1500	45	0.55	2.40	G4	ePM10 50%
GpleatHC-03	12*24*2	287*594*46	2000	45	0.75	3.26	G4	ePM10 50%
GpleatHC-04	20*20*2	495*495*46	3000	45	1.1	3.40	G4	ePM10 50%
GpleatHC-05	20*24*2	495*594*46	3500	45	1.3	3.31	G4	ePM10 50%
GpleatHC-06	24*24*2	594*594*46	4200	45	1.55	3.31	G4	ePM10 50%
GpleatHC-07	12*24*4	287*594*96	3000	45	1.09	4.89	G4	ePM10 50%
GpleatHC-08	20*20*4	495*495*96	4200	45	1.57	4.76	G4	ePM10 50%
GpleatHC-09	20*24*4	495*594*96	5000	45	1.86	4.72	G4	ePM10 50%
GpleatHC-10	24*24*4	594*594*96	6000	45	2.22	4.72	G4	ePM10 50%

# Knock-down Type Pleated Filter

Adaptive Efficiency: G1, G2, G3, G4

## Product Features

- ⊙ 100% Factory inspection
- ⊙ Large dust holding capacity
- ⊙ Not easily deformed and damaged, suitable for poor working conditions
- ⊙ Reused after cleaning by water
- ⊙ Long life-span of media
- ⊙ Reused of frame

## Application

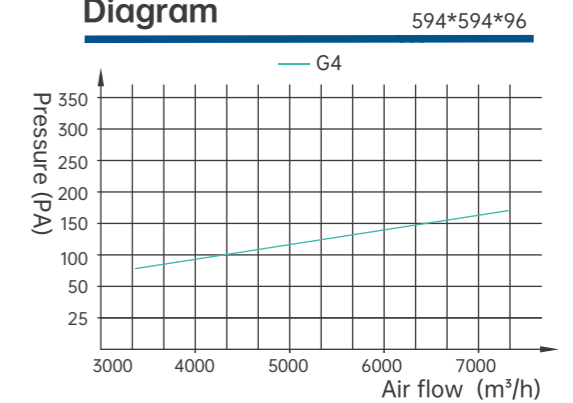
Office, conference room, hospitals, airports and other large building ventilation and air conditioning system or common industrial plant and clean room air distribution system for pre-filtration.



## Material and Operation Conditions

Media	Polyester fiber cotton
Frame	Extruded aluminum / Galvanized steel / Folding aluminum / Stainless steel
Optional aluminum frame thickness(mm)	46 50 69 80 90 96
Max. Temperature	50°C
Max. Humidity	100%

## Air Flow & Resistance Diagram



## Technology Parameters

Model	Size(mm) (W*H*D)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Gpleat-RE-01	12*24*1	287*594*21	750	50	0.28	1.22	G4	Coarse 65%
Gpleat-RE-02	12*12*2	287*287*46	800	50	0.29	1.28	G4	Coarse 65%
Gpleat-RE-03	12*24*2	287*594*46	550	50	0.20	1.85	G4	Coarse 65%
Gpleat-RE-04	20*20*2	495*495*46	1000	50	0.39	1.63	G4	Coarse 65%
Gpleat-RE-05	24*24*2	594*594*46	1500	50	0.58	1.70	G4	Coarse 65%
Gpleat-RE-06	12*12*4	287*287*96	2150	50	0.80	1.69	G4	Coarse 65%
Gpleat-RE-07	12*24*4	287*594*96	800	50	0.29	2.70	G4	Coarse 65%
Gpleat-RE-08	20*24*4	490*594*96	1500	50	0.57	2.44	G4	Coarse 65%
Gpleat-RE-09	24*24*4	594*594*96	2500	50	0.97	2.39	G4	Coarse 65%
Gpleat-RE-10	12*24*1	287*594*21	3200	50	1.17	2.52	G4	Coarse 65%
Gpleat-RE-11	12*24*2	287*594*46	1450	50	0.54	2.36	G4	ePM10 50%
Gpleat-RE-12	20*20*2	495*495*46	1500	50	0.55	2.40	G4	ePM10 50%
Gpleat-RE-13	20*24*2	495*594*46	2000	50	0.75	3.26	G4	ePM10 50%
Gpleat-RE-14	24*24*2	594*594*46	3000	50	1.1	3.40	G4	ePM10 50%
Gpleat-RE-15	12*24*4	287*594*96	3500	50	1.3	3.31	G4	ePM10 50%
Gpleat-RE-16	20*20*4	495*495*96	4200	50	1.55	3.31	G4	ePM10 50%
Gpleat-RE-17	20*24*4	495*594*96	3000	50	1.09	4.89	G4	ePM10 50%
Gpleat-RE-18	24*24*4	594*594*96	4250	50	1.57	4.82	G4	ePM10 50%

# Synthetic Fiber Pocket Filter

Adaptive Efficiency: G3, G4

## Product Features

- ◎ Large media area and dust holding capacity
- ◎ Washable (Limited)
- ◎ Big air flow, low resistance, high efficiency
- ◎ 100% factory inspection
- ◎ Third party authority certification (VTT test)
- ◎ Relative humidity up to 100%
- ◎ Imported synthetic fiber material

## Application

Pre-filtration of central air-conditioning, HVAC system, large air compressor.

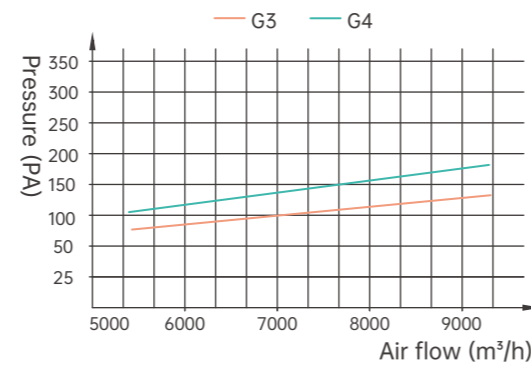


## Material and Operation Conditions

Media	Synthetic fiber / Polyester fiber
Filter pocket type	Sewing bag / Ultrasonic bag
Frame	Extruded aluminum / Galvanized steel / Plastic(ABS)
Optional frame thickness(mm)	Aluminum: 21, 25, 46 Plastic: 25
Max. Temperature	50°C
Max. Humidity	100%

## Air Flow & Resistance Diagram

594\*594\*660-8P



## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (HxWxD)	Air flow (m³/h)	Initial Pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)	Pocket no.
Gbag-01	12*24*15	287x594x381	1000	40	1.54	1.63	G3	Coarse 45%	3
Gbag-02	24*24*15	594x594x381	2800	40	3.09	2.20	G3	Coarse 45%	6
Gbag-03	24*24*22	594x594x560	4000	40	4.55	3.15	G3	Coarse 45%	6
Gbag-04	24*24*22	594x594x560	5000	40	5.85	3.94	G3	Coarse 45%	8
Gbag-05	24*24*26	594x594x660	6000	40	6.89	4.72	G3	Coarse 45%	8
Gbag-06	24*24*26	594x594x660	7000	40	8.42	5.51	G3	Coarse 45%	10
Gbag-07	12*24*15	287x594x381	1400	55	1.54	2.28	G4	Coarse 65%	3
Gbag-08	24*24*15	594x594x381	2800	55	3.09	2.20	G4	Coarse 65%	6
Gbag-09	24*24*22	594x594x560	4200	55	4.55	3.31	G4	Coarse 65%	6
Gbag-10	24*24*22	594x594x560	5000	55	5.85	3.94	G4	Coarse 65%	8
Gbag-11	24*24*26	594x594x660	6200	55	6.89	4.88	G4	Coarse 65%	8
Gbag-12	24*24*26	594x594x660	7200	55	8.42	5.67	G4	Coarse 65%	10

\*customized parameters available

# Rigid Pocket Filter

Adaptive Efficiency: G3, G4

## Product Features

- ◎ Using thermally bonded technology.
- ◎ High dust-holding capacity
- ◎ The media are progressively structured, long service life.
- ◎ Rhombic and small pockets inside, reduce power consumption, and make full use of the filter media.

## Application

Specialized design for gas turbine, or for indoor climate control systems such as airports, hospitals, museums, laboratories, pharmacies, commercial buildings, etc.

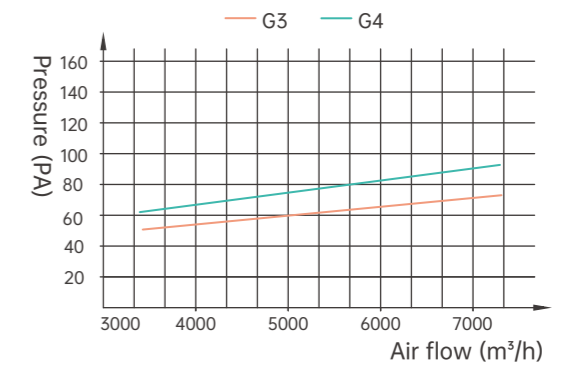


## Material and Operation Conditions

Media	Synthetic fiber
Filter pocket type	Extruded aluminum / Galvanized steel / Plastic(ABS)
Frame	Aluminum / Galvanized
Optional frame thickness (mm)	Aluminum: 21, 25, 46 Plastic: 25
Max. Temperature	80°C
Max. Humidity	100%

## Air Flow & Resistance Diagram

592\*592\*550-6P



## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (HxWxD)	Air flow (m³/h)	Initial Pressure (≤Pa)	Initial Pressure (≤Pa)	Dust holding capacity	Filter grade (EN779)	Pack no.
Rbag-01	24*24*21.6	592*592*550	3400	30	200	900	G3	6
Rbag-02	24*24*21.6	592*592*550	3400	40	200	1850	G4	6

\*customized parameters available

# Metal Net Filter

Adaptive Efficiency: G1

## Product Features

- Washable
- Large air flow and low initial resistance
- 100% factory inspection
- Long lifespan
- Combined by media with different pleat height to reduce media gap which used for high efficiency
- Suitable for acid-based and high humidity-resistance environment.

## Application

Used for high temperature oven, central air-conditioning range hood and filtration, special ventilation of acid and alkali and high humidity resistance filtration.

## Material and Operation Conditions

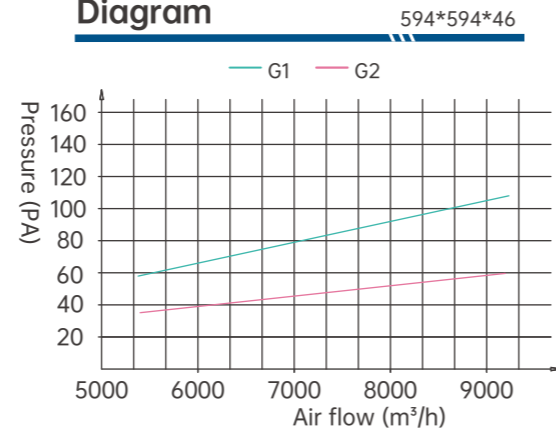
Media	Aluminum wave net / Stainless steel wave net
Frame	Extruded aluminum / Galvanized steel / Folding aluminum / Stainless steel
Face guard	Galvanized square mesh diamond mesh / Stainless steel square mesh
Optional aluminum frame thickness(mm)	10 15 21 25 46 50
Max. Temperature	300°C
Max. Humidity	100%

## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Gmetal-01	24*12*1	594*287*21	1550	20	2.50	G1	Coarse 20%
Gmetal-02	24*20*1	594*495*21	2650	20	2.50	G1	Coarse 20%
Gmetal-03	24*24*1	594*594*21	3200	20	2.50	G1	Coarse 20%
Gmetal-04	24*12*2	594*287*46	1550	40	2.50	G2	Coarse 40%
Gmetal-05	24*20*2	594*495*46	2650	40	2.50	G2	Coarse 40%
Gmetal-06	24*24*2	594*594*46	3200	40	2.50	G2	Coarse 40%



## Air Flow & Resistance Diagram



\*customized parameters available

# Panel Filter

Adaptive Efficiency: G1, G2, G3, G4

## Product Features

- Washable
- Large dust holding capacity
- 100% factory inspection
- Strong intensity
- Simple structure and easy to replace filter media
- Large air volume and low initial resistance

## Application

Used at restricted environment and large air volume environment; Application for pre-filter of air conditioning systems, pre-filter of the multi-stage filtration system.

## Material and Operation Conditions

Media	Synthetic fiber
Frame	Extruded aluminum / Galvanized steel
Optional aluminum frame thickness(mm)	10 15 21 25
Max. Temperature	50°C
Max. Humidity	100%

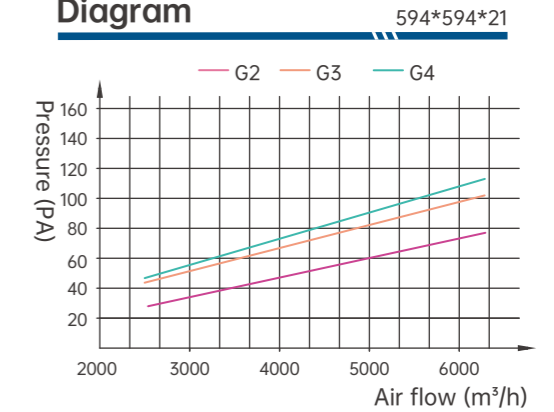
## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Gpad-01	24*12*0.5	594x287x10	1250	30	0.17	2.00	G2	Coarse 30%
Gpad-02	24*24*0.5	594x594x10	2500	30	0.35	2.00	G2	Coarse 30%
Gpad-03	24*12*1	594x287x21	1250	30	0.17	2.00	G2	Coarse 30%
Gpad-04	24*24*1	594x594x21	2500	30	0.35	2.00	G2	Coarse 30%
Gpad-05	24*12*0.5	594x287x10	1250	40	0.17	2.00	G3	Coarse 45%
Gpad-06	24*24*0.5	594x594x10	2500	40	0.35	2.00	G3	Coarse 45%
Gpad-07	24*12*1	594x287x21	1250	40	0.17	2.00	G3	Coarse 45%
Gpad-08	24*24*1	594x594x21	2500	40	0.35	2.00	G3	Coarse 45%
Gpad-09	24*12*0.5	594x287x10	1250	45	0.17	2.00	G4	Coarse 65%
Gpad-10	24*24*0.5	594x594x10	2500	45	0.35	2.00	G4	Coarse 65%
Gpad-11	24*12*1	594x287x21	1250	45	0.17	2.00	G4	Coarse 65%
Gpad-12	24*24*1	594x594x21	2500	45	0.35	2.00	G4	Coarse 65%

\*customized parameters available



## Air Flow & Resistance Diagram



# High Heat-Resistance Pleated Filter

Adaptive Efficiency: G3

## Product Features

- Good filter media, it is not easily to be damaged
- Can be normally used in a large air volume environment
- 100% Factory inspection
- With the characteristic of non combustible
- Large media area
- Long life-span
- Large air flow & low initial resistance

## Application

Used in general primary filtration, hot air type high temperature oven air filtration and coating factory high temperature oven air filter.

## Material and Operation Conditions

Media	Glass fiber
Frame	Aluminum (< 200°C), Stainless steel (> 200°C)
Optional aluminum frame thickness(mm)	21 25 46 50 69 80 90 96
Max. Temperature	300°C
Max. Humidity	100%

## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Gpleat-HT-01	24*12*1	594*287*21	750	45	0.28	1.22	G3	ePM10 50%
Gpleat-HT-02	24*20*1	594*495*21	1350	45	0.48	1.29	G3	ePM10 50%
Gpleat-HT-03	24*24*1	594*594*21	1550	45	0.58	1.22	G3	ePM10 50%
Gpleat-HT-04	24*12*2	594*287*46	1000	45	0.39	1.63	G3	ePM10 50%
Gpleat-HT-05	24*20*2	594*495*46	1800	45	0.57	1.72	G3	ePM10 50%
Gpleat-HT-06	24*24*2	594*594*46	2150	45	0.8	1.69	G3	ePM10 50%

# Pre Filter

Adaptive Efficiency: G1, G2, G3, G4

## Product Features

- Designed for pre-filter or coarse filtration in the inlet of general ventilation and air conditioning equipment
- Processed by high-performance synthetic fiber with gradual density
- High dust holding capacity and low resistance
- Strong fire retardance
- Washable for several times
- Silicone-free, resistant to the effects of chemicals such as chemical solvents, acid fumes, etc.

## Application

Applied as the media for panel filter, pleated filter or pocket filter, widely used in high-demand ventilation system such as

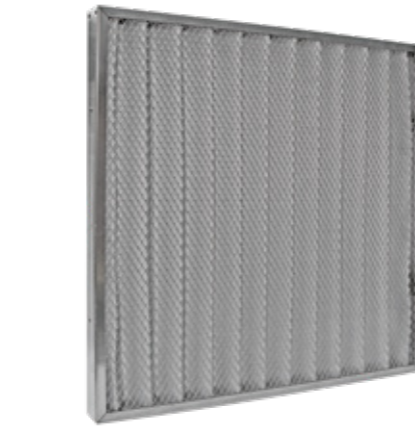
- Air conditioning and air ventilation systems;
- As a pre-filter for high dust exposure in the air supply system;
- Pre-filtering and flow equalization of air supply in spraying system and baking device;

## Material and Operation Conditions

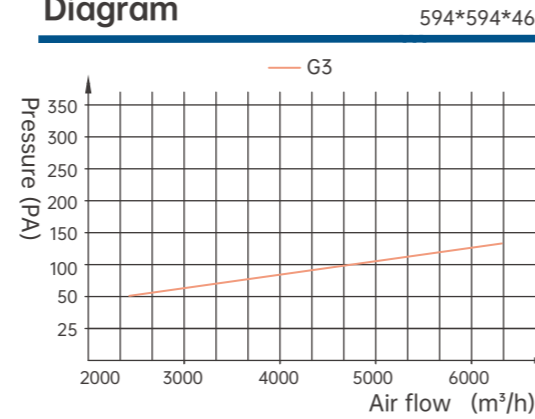
Material	High-performance, high-strength and anti-break PET organic synthetic fibers
Targeting particles	>5µm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	100°C

## Technology Parameters

Model	Thickness (mm)	Test Air Velocity (m/s)	Average Arrestance (EN779)	Initial Resistance (Pa)	Final Resistance (Pa)	Dust Holding Capacity (g/m²)	Filtration Class
FJ-G205	5	1.5	65%	15	250	400	G2
FJ-G210	10	1.5	70%	18	250	420	G2
FJ-G315	15	1.5	80%	20	250	520	G3
FJ-G420	20	1.5	90%	25	250	630	G4
FJ-G410	10	1.5	90%	25	250	630	G4
FJ-G310	10	1.5	80%	20	250	520	G3



Air Flow & Resistance Diagram



# Air Intake Filter

Adaptive Efficiency: G1, G2, G3, G4

## Product Features

- ⊙ Designed for pre-filter or coarse filtration in the inlet of general ventilation and air conditioning equipment
- ⊙ Optional combined colors of blue & white, green & white, can better distinguish the air inlet and outlet
- ⊙ High dust holding capacity and low resistance
- ⊙ Strong fire retardance
- ⊙ Washable for several times
- ⊙ Adding glue and strengthen hardness treatment, enhanced dust holding capacity, structure, and it's anti-extrusion, can be used many times after vacuuming or cleaning



## Application

Used for coarse filtration in the inlet of general ventilation, air conditioning equipment and industrial purposes such as pollution prevention, public construction, air-conditioning industry, electronics industry, pharmaceutical factory, food industry, etc.

## Material and Operation Conditions

Material	High-performance, high-strength synthetic fibers
Targeting particles	>5μm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	100°C
Max Humidity	100%
Color options	White, blue & white, green & white

## Technology Parameters

\*customized parameters available

Type	Thickness (mm)	Rated AirFlow	(EN779) Average Arrestance	Initial Pressure Drop (pa)	Final Pressure Drop (pa)	Dust Holding Capacity (g/m <sup>2</sup> )	Filter Class	Size (m)
FJ-100	5	1.5	65%	15	150	380	G2	2x20 1x20
FJ-150	10	1.5	70%	18	180	400	G2	2x20 1x20
FJ-180	15	1.5	80%	20	200	500	G3	2x20 1x20
FJ-220	20	1.5	90%	25	250	600	G4	2x20 1x20

# Ceiling Filter

Adaptive Efficiency: F5

## Product Features

- ⊙ Processed by the high-performance hot-melt method composed of anti-fracture organic synthetic fibers; the incremental structure adopts multi-layer gradual densification technology, the fiber density gradually increases towards the direction of pure air making the increase the filtration efficiency.
- ⊙ According to the size of the dust, it can be blocked at different density levels to more effectively accommodate more dust;
- ⊙ The air outlet surface of the filter is particularly dense with an additional layer of grid weaving to strengthen the shape, not only maintains a high filtering effect and high dust holding capacity, but also prolongs the service life and ensures good air quality.
- ⊙ Low resistance to save system operating costs;



## Application

Mainly applied in the painting industry such as spray workshop, car factory, automotive maintenance, it is specially designed as the terminal filtration of the spray booth, to ensure the airflow passing through is evenly diffused as a form of laminar flow into the automatic assembly workshop and the spray booth of the automatic repair finish paint factory;

## Material and Operation Conditions

Material	Break resistance organic synthetic fibers
Targeting particles	>5μm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	100°C
Max Humidity	100%
Color options	White, blue & white, green & white

## Technology Parameters

\*customized parameters available

Type	Filtration Class	Initial Pressure Drop (Pa)	Final Pressure Drop (pa)	Rated Air Flow (m <sup>3</sup> /h)	Air Velocity (m/s)	Dust Holding Capacity (g/m <sup>2</sup> )	Size (m)
FJ-600G	F5	30	450	900	0.25	480	2x20, 2x21
FJ-560G	F5	25	450	10800	0.30	450	1.6x21, 1.6*14

# Floor Filter

Adaptive Efficiency: G3, G4

## Product Features

- ⊙ Floor filter also named paint stop filter, fiberglass media.
- ⊙ It is made of non-fabric with glass long fiber, which has large air flow, low resistance, and good dust collection efficiency for paint mist;
- ⊙ High-strength glass fiber incremental structure; the air entry side is green, and the air leaving side is white;
- ⊙ Compressed vacuum packaging can save freight and storage space in transportation, and it can still return to its original state after relaxation



## Application

Applied in industries required surface high-quality spray paint mist filtration such as painting industry, pollution prevents and control, air conditioning, electronic, pharmaceutical factory, food sanitation etc.

## Material and Operation Conditions

Material	Long fiberglass fiber
Targeting particles	>5μm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	170°C
Max Humidity	100%
Color options	Wet-cured, dry-cured

## Technology Parameters

\*customized parameters available

Type	Thickness (mm)	Resistance at different air velocities			Average efficiency at different particle sizes			Dust Holding Capacity (g/m <sup>2</sup> )	Temperature Resistance
		1.3	2.6	3.9	≥2μm	≥5μm	≥10μm		
FJP-50	50	15	30	45	35	70	80	1850	170°C
FJP-60	60	20	35	50	40	75	85	2100	170°C
FJP-100	100	25	40	55	60	80	90	3200	170°C

Standard sizes: 0.7/0.75/0.8/1/1.2/1.5/2x20m

# Auto Roll Core

Adaptive Efficiency: G3, G4

## Product Features

- ⊙ Auto roll core is compressed to rolls by synthetic fiber or fiberglass, there is a strong woven mesh on the back of the filter material, which is not easy to deform.
- ⊙ Super elastic fiber structure, the filter material will not be compressed together due to large wind resistance and affect the dust holding capacity.
- ⊙ The filter cotton is sprayed with a special adhesive to enhance the dust holding ability.
- ⊙ Incremental structure, the fiber density gradually increases in the direction of pure air, which not only improves the filtration performance, but also increases the dust holding capacity, prolonging the service life of the filter.
- ⊙ Temperature resistance 120°C, long service life, no need to be replace the filter frequently to reduce costs



## Application

Applied in pre-filtration of various air filtration equipment for various industrial purposes such as pollution prevention, Public construction, air conditioning industry, electronics industry, pharmaceutical industry, food industry, etc.

## Material and Operation Conditions

Material	Synthetic fiber / fiberglass
Targeting particles	>2μm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	120°C

## Technology Parameters

\*customized parameters available

Type	Material	Thickness	Max. Airflow (m/s)	Average Arrestance (EN779)	Initial Pressure Drop (pa)	Final pressure Drop (pa)	Dust Holding Capacity (g/m <sup>2</sup> )	Filter Class	Size (m)
FJS-60	Synthetic fibers	15(mm)	2.0	80	25	200	500	G3	2x20 1x20
FJS-60	Glass fiber	50(mm)	3.9	95	10	130	1850	G4	2x20 1x20

# Flame-retardant Filter Media

## Product Features

- Using imported flame retardant fiber, it is a structural environmentally friendly flame retardant product
- With good elasticity, can be cleaned and used repeatedly, large dust holding capacity and a long service life
- Incremental structure, the fiber density gradually increases in the direction of pure air
- According to the filtration efficiency, it is divided into two categories: pre filter and medium filter
- According to the flame retardant performance, there are two kinds: Not flammable in case of fire, and only shrinks when exposed to fire, will not burn, and can be tested by the vertical method
- It has the characteristics of other similar filter cotton and can completely replace similar imported products.
- Conform to European, Chinese and Japanese classification for the non-flammability (eg: DIN 538438-F1, GB5454-1977B1, JCACNO.A-2003)



## Application

Applied in pre-filtration of various air filtration equipment, spraying working environment and air ventilation equipment.

## Material and Operation Conditions

Material	flame resistant fiber
Targeting particles	>2μm particle dust and suspended solids
Max temperature	120°C

## Technology Parameters

Type	Filter Class	Thickness	LOI	Grammage (g/m <sup>2</sup> )	Average Collection Efficiency	m/s	Pa	suggested final resistance	Temperature Resistance	Dust Holding Capacity (g/m <sup>2</sup> )
FJF-150	G1	8±2	26	150±15	62%	2.5	30	150	100	380
FJF-300	G2	10±2	26	200±20	70%	2.5	54	150	100	600
FJF-400	G3	10±2	28	300±25	76%	2.5	64	200	100	600
FJF-600	G4	20±2	28	300±25	82%	2.5	93	250	100	600

\*customized parameters available

# Activated Carbon Filter

## Product Features

- Activated carbon filter is made of carbon fiber. The charcoal was dipped into every carbon fiber.
- It is featured with large specific surface area, well-developed cellular structure, high coal content, good air permeability and strong adsorption ability and can eliminate the dust, off flavor and organic pollutants effectively.
- It is widely used in pocket filter and panel filter.



## Application

It is widely used in air conditioning ventilation system, spray paint room exhaust emission system, industrial waste gas treatment, oil fume purification, various household and vehicle air conditioners, air purifiers, gas phase adsorption and other fields.

## Material and Operation Conditions

Material	Activated carbon fiber
Targeting particles	>5μm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	170°C
Max Humidity	100%
Size options	1*20M, 1.2*20M, 2*20M

## Technology Parameters

Type	Thickness	Carbon Content(%)	Benzene adsorption(%)
FJC-03	3±1mm	≥50%	>20Wt%
FJC-05	5±1mm	≥50%	>22Wt%
FJC-08	8±1mm	≥50%	>24Wt%
FJC-10	10±1mm	≥50%	>24Wt%
Size	1*20M, 1.2*20M, 2*20M		

\*customized parameters available

# Sponge

## Product Features

- ◎ Adopted polyester & polyether to foamed in pieces
- ◎ Anti-wear
- ◎ high filtration speed
- ◎ Low resistance
- ◎ Large airflow
- ◎ Washable

## Application

It is used a lot for air purifier, air conditioning, fan, household air filter, especially suitable for electronics, electrical appliances, precision instruments and other places of production environment purification of ideal filter material.



## Material and Operation Conditions

Material	Polyester
Targeting particles	>5μm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	170°C
Max Humidity	100%
Size options	1*20M, 1.2*20M

## Technology Parameters

Model	Thickness	Hore diameter(PPI)	Velocity(m/s)	Size (m)
HM	3~50	5~100	1	1*2m

\*customized parameters available

# Activated Carbon Sponge

## Product Features

- ◎ Activated carbon sponge filter mesh is adopted of macromolecule felt material to make medium and high absorption powder activated carbon with froth carrier into air purification filter media.
- ◎ Activated carbon is made of sponge and activated carbon with 30%-50% carbon content.
- ◎ It can be used to remove foul and peculiar smell, purify environment with high efficiency, low air pressure and low consumption.
- ◎ It can deodorize, deodorize and purify the environment under a certain air volume, which has a good purification effect.

## Application

It is used a lot for air purifier, air conditioning, fan, household air filter, especially suitable for electronics, electrical appliances, precision instruments and other places of production environment purification of ideal filter material. Also used for interior decoration, car inner decoration, effectively improve indoor air quality. In addition, activated carbon foam also has the dual effect of purification and flame retardant.



## Material and Operation Conditions

Material	Polyurethane Form with 30%-50% carbon content
Targeting particles	>5μm particle dust and suspended solids
Flame resistance	B1, B2 (GB/T 17591-2006)
Max temperature	130°C
Max Humidity	100%
Size options	Small hole, medium hole, large hole

## Technology Parameters

Model	Thickness (mm)	Benzene adsorption capacity	Iodine adsorption (mg/g)	Velocity(m/s)	Deodorizing property	Filtration Class	Size (m)
ACHM	3~50	>90%	1000	1	The removal rate of ethanethiol and trimethylamine in 30 min. is ≥90%	/	1*2m

\*customized parameters available



# Cooling Pad

## Product Features

- ⊙ High evaporation efficiency.
- ⊙ Superior wetting properties.
- ⊙ Low pressure drop when pad is wet leading to lower running costs.
- ⊙ Long life time.

## Application

Cooling pad can be used for many different cooling purpose such as workshop, livestock, Greenhouse, gardening, etc.

## Material and Operation Conditions

Material	Kraft paper
Raw Material	Corruated fiber paper
Color	yellow / black / green
Frame	Galvanized / Stainless steel
Type of density	5090/6090/7090
Size and Thickness	Customized

## Technology Parameters

Type	height (mm)	width (mm)	Thickness (mm)	Flute (mm)	Angle
5090	custmized	custmized	custmized	7	45°
6090	1500/1800 custmized	300/600 custmized	100/150/200 custmized	7	45°
6090	1500/1800 custmized	300/600 custmized	100/150/200 custmized	7	45°

\*customized parameters available



# Wetted Pad

## Product Features

- ⊙ 45×45-degree staggered corrugation pattern.
- ⊙ Made from new generation polymer materials using spatial cross-linking technology.
- ⊙ High water absorption, water resistance, mold resistance, and long service life.
- ⊙ Efficient evaporation cooling with over 80% cooling effect.
- ⊙ No surfactants, natural water absorption with fast diffusion.
- ⊙ Meets domestic performance standards.
- ⊙ Natural water absorption: 60-70mm/5 minutes, 200mm/hour (meets international standards).
- ⊙ Chemical-free, safe for installation and use.

## Application

Cooling pad can be used for many different cooling purpose such as workshop, livestock, Greenhouse, gardening, etc.

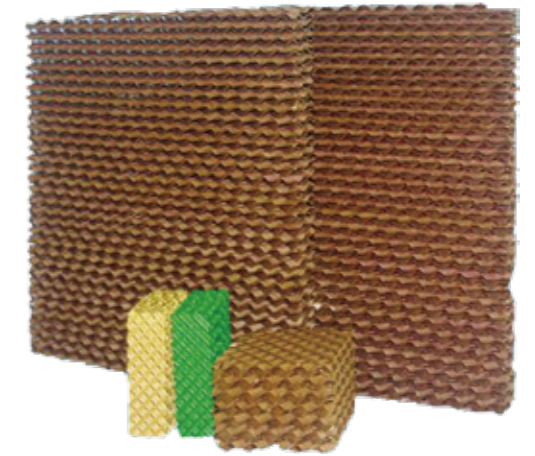
## Technology Parameters

Model	height (mm)	width (mm)	Thickness (mm)	corrugation height	corrugation angle 1	corrugation angle 2
FJR-7090	1500, 1800, 2000	300, 600, 900	100, 150, 200, 300	7	45	
FJR-5090	200-2000				45	

## Technology Parameters

Type	height (mm)	width (mm)	Thickness (mm)	corrugation height	corrugation angle 1	corrugation angle 2
FJR-7090	1500, 1800, 2000	300, 600, 900	100, 150, 200, 300	7	45	45
FJR-5090	200-2000				45	45

\*customized parameters available



# Cutting Fluid Filter Paper

## Product Features

- High strength and stability: Advanced meshing and reinforcement techniques enhance tensile strength and ensure consistent performance.
- High filter accuracy and efficiency, made by polyester fiber and polymer film. Can meet different grade of accuracy.
- Worked well at -40°C~120°C, no influence about the grinding oil chemical property and will not be corroded by grinding oil.
- The filter material can bear the mechanical reaction force and temperature influence, its breaking strength will not be reduced even when it is wet.
- The hole size is bigger while with smaller resistance, at the same time a strong carrying capacity.

## Application

Filter metal particles, iron sludge and other dross in cutting fluid, emulsion, grinding fluid, grinding fluid, drawing oil, rolling oil, cool fluid, cleaning fluid

## Material and Operation Conditions

Material	Polyester/Rayon
Usage	Oil Filter
Color	White
Weight	26-63g/m <sup>2</sup>
Thickness	0.17-0.41mm
Air Permeability (L/m <sup>2</sup> ·S)	1900-3700

## Technology Parameters

Model	Thickness (mm)	Weight (g/m <sup>2</sup> )	Material	Air permeability (L/ m <sup>2</sup> S)	Retained particle
AC-30	0.17-0.20	26-30	polyester	3700	45-55
AF-N30	0.20-0.23	28-32	Rayon	3400	40-50
AF-40	0.25-0.27	36-40	polyester	3000	35-48

\*customized parameters available



# Sepa Paint

## Product Features

- Sepa paint also called overspray filter, organ type filter paper which is the same as Andrea filter
- It is a new environmental protection product which is made of two pleated and perforated cardboard walls glued in their edges. Sepa paint maintains the air clean without dirty air and water by eliminate paints, oil, glass raw materials, epoxy resin, tar, Teflon, plastic and other needless material effectively.
- Sepa paint can force the load flow change the direction many times so that the particles which heavier than the air will be absorbed and the air will keeping moving forward. Particulars holding can reach 19Kg/m<sup>2</sup>
- Special size and thickness are available upon request

## Application

Ventilation and cooling, Civil applications, Humidity regulation, Industrial equipment, Poultry and livestock industry, Greenhouse and horticulture industry, Industrial cooling.

## Technology Parameters

Model	Dimensions W*H*T (cm)	Pleat distance (mm)	Air velocity (m/s)	the resistance under appropriate wind velocity (m/s:Pa)	Final pressure (Pa)	Dust holding capacity (kg/m <sup>2</sup> )	Filter efficiency (%)	Material
SEPA PAINT-A	1500*80*6	5	0.25-1.0	0.5/13 0.75/30 1/56	250	18	85-98	White paperkraft filter paper
SEPA PAINT-AA	1000*90*6	5	0.25-1.0	0.5/13 0.75/30 1/56	250	18	85-98	
SEPA PAINT-AAA	1000*100*6	5	0.25-1.0	0.5/13 0.75/30 1/56	250	18	85-98	

\*customized parameters available



# Multiple Overspray Filter

Adaptive Efficiency: G3, G4

## Product Features

- ◎ Features: High filtration efficiency, fire retardant, anti-static, low resistance;
- ◎ Avoiding secondary pollution, simple replacement. It has the economical and good performance;
- ◎ Filter media: environmental flame-retardant paper;
- ◎ Customized dimension;
- ◎ Can be painting filter. The air inlet is made of multi-layer paint mist filter paper; the air outlet is made of high-strength continuous monofilament glass fiber paint mist filter media;
- ◎ High capture rate, good paint mist isolation effect; good compression performance, high elasticity, low pressure loss, especially good for paint mist Capture efficiency up to 99.8%;
- ◎ Capture excess paint from the painting system, avoid paint stains on equipment, and protect painted surfaces from damage and the external environment. Filter the paint particles in the room to reduce discharge of odor pollution;
- ◎ The outer frame can be matched with paper frame and aluminum frame;



## Application

Common applications: Suitable for hand-painting, electrostatic spraying, high-pressure airless spraying work environment;

## Material and Operation Conditions

Material	Whiteboard kraft fiber
Targeting particles	>5µm particle dust and suspended solids
Flame resistance	Non-flammable, comply to DIN41021, Fire prevention capacity building materials B1
Max temperature	80°C
Max Humidity	50%
Options	Wet-cured, dry-cured

## Technology Parameters

Model	Dimensions W*H*D(cm)	Layer	Air velocity(m/s)	Accordingly resistance(Pa)	Filtration Class(%)
MOF-A	500x500x35	10	0.6-1.0	<20	>90

\*customized parameters available

# Activated Carbon Particles

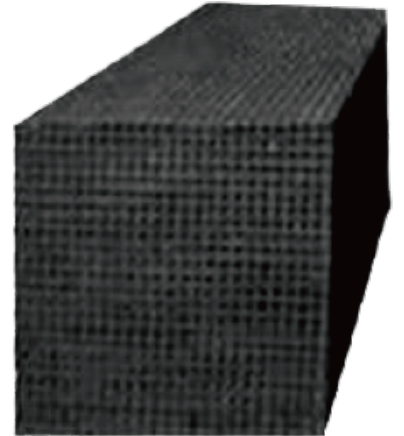
Honeycomb activated carbon

## Product Features

- ◎ The product has a large surface area, high adsorption capacity, and is commonly used in air pollution control.
- ◎ It effectively purifies the air by using honeycomb activated carbon to absorb and decompose pollutants in exhaust gas.
- ◎ The wind resistance coefficient is small, and it has excellent adsorption, desorption and gas kinetic properties.
- ◎ There are waterproof and non-waterproof properties to choose

## Application

Applied in low concentration, large air volume of all kinds of organic waste gas purification system.



## Material and Operation Conditions

Specification	100x100x100mm / 100x100x50mm / 100x100x20mm
Hole diameter(mm)	1.53 / 1.58
Hole distance(mm)	2
Filter resistance (Pa)	≤250
Carbon tetrachloride adsorption value	30%~45%
Benzene adsorption rate	37%
Operating temperature (°C)	<400
Compressive strength (mpa)	Positive pressure ≥0.7 Measured pressure ≥0.3
PH value	8%
Specific surface area	750

\*customized parameters available

# Activated Carbon Roll

Honeycomb activated carbon

## Product Features

- Activated carbon fiber has versatile adsorption capabilities, with a large capacity to adsorb organic vapors and inorganic gases.
- It exhibits faster adsorption and desorption rates compared to traditional activated carbon.
- It is made of high quality catalytic powdered activated carbon as adsorption material.
- It can be made into various shapes and used in various air conditioning purifiers.

## Application

Used to purify odor substances in the air, such as benzene, methanol, ammonia, carbon dioxide, and harmful gases NO<sub>2</sub>, SO<sub>2</sub> and so on. Suitable for all kinds of air conditioning ventilation system, can effectively remove pollution, clean air.



## Material and Operation Conditions

Standard size (roll)	1.0mx20m 1.2mx20m 2.0mx20m
Weight(g)	300
Benzene adsorption rate	≥25%
Carbon content	≥58%
Wind speed(m/s)	0.8
Rated air volume (m <sup>3</sup> /h)	2880
Initial resistance (Pa)	55
Recommended resistance (Pa)	250
Standard thickness(mm)	3 / 5 / 8 / 10 / 15

## Technology Parameters

Model	Surface weight (g/m <sup>2</sup> )	Activated carbon content (m <sup>3</sup> )	Adsorption property Benzene adsorption capacity	Rated wind speed (m/s)	Air resistance (Pa)
2.0±0.5	120	60	80	1	5
5.0±1	400	200	88	0.8	10

\*customized parameters available

# High Temperature Resistant Glass Fiber Filter Mat

Adaptive Efficiency: G3, G4

## Product Features

- High temperature resistant glass fiber filter mat is made of long fiberglass in uniformity non-woven way. Leeward side is specially treated in order to avoid the fiberglass dropping.
- Stable performance: No degradation under the high temperature of 240°C use. Size is stable with only 0.1% contraction at 250°C. No contraction, no embitterment, no softening, and no melting in short time at 300°C, only softening at 500°C.
- Excellent flame retardance (non-flame), up to national grade A flame retardance standard. No drop, no polycarbonate, no contraction, and no deformation with firing.
- Excellent chemical resistance, high moisture-resistance, low moisture absorption, long working life.



## Application

High temperature resistant glass fiber filter mat is widely used in ovens or other place which is high temperature. Not only for dust extraction, but also for avoid chemical erosion and against poisonous gas.

## Material and Operation Conditions

Material	Long fiberglass fiber
Targeting particles	>5μm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	350°C
Max Humidity	100%

## Technology Parameters

Model	Thickness	Test Air Velocity (m/s)	Average Arrestance	Initial Resistance (pa)	Dust Holding Capacity (g/m <sup>2</sup> )	Filtration Class	Size (m)	Temperature Resistance
FS-150		1.5	80	20	1850	G3	1*20 1.2*20	250
FS-300		1.5	85	35	2100	G3	1*20 1.2*20	300
FS-400		1.5	90	50	3200	G4	1*20 1.2*20	350

\*customized parameters available

# High temperature synthetic filter media

Adaptive Efficiency: G3

## Product Features

- High temperature resistant glass fiber filter mat is made of long fiberglass in uniformity non-woven way. Leeward side is specially treated in order to avoid the fiberglass dropping.
- Stable performance: No degradation under the high temperature of 240°C use. Size is stable with only 0.1% contraction at 250°C. No contraction, no embrittlement, no softening, and no melting in short time at 300°C, only softening at 500°C.
- Excellent flame retardance (non-flame), up to national grade A flame retardance standard. No drop, no polycarbonate, no contraction, and no deformation with firing.



## Application

High temperature resistant glass fiber filter mat is widely used in ovens or other place which is high temperature. Not only for dust extraction, but also for avoid chemical erosion and against poisonous gas.

## Material and Operation Conditions

Material	Synthetic fiber
Targeting particles	>5µm particle dust and suspended solids
Flame resistance	Non-flammable, self-extinguishing, comply to DIN53438-F1, UL900-CLASS2
Max temperature	350°C
Max Humidity	100%

## Technology Parameters

Model	Thickness(mm)	Test Air Velocity (m/s)	Average Arrestance (EN779)	Initial Resistance (pa)	Dust Holding Capacity (g/m²)	Size (m)	Temperature Resistance
FJE-100	10	1.5	80	20	1850	1.6*20m	200°C
FJE-100W	20	1.5	80	35	2100	500*500	250°C

\*customized parameters available

# Acupuncture Cotton

## Product Features

- Acupuncture cotton, also known as polyester needle-punched felt or needle-punched non-woven fabric, offers several advantages such as high porosity, excellent breathability, superior dust collection efficiency, strong tensile strength, and long lifespan.
- It can withstand temperatures as high as 150°C, exhibits moderate resistance to acids and alkalis, and possesses exceptional wear resistance.
- The product has the advantages of high porosity, good permeability, high dust collection efficiency, good tensile strength, long service life, etc.
- The temperature resistance can reach 150°C, acid resistance, moderate alkalinity and very good wear resistance.



## Application

Applied in industries required surface high-quality spray paint mist filtration such as painting industry, pollution prevents and control, air conditioning, electronic, pharmaceutical factory, food sanitation etc.



## Nonwoven Filter Media

### Product Features

The product has a three-layer design for excellent performance. The strong adhesive technology prevents leakage from wind pressure, while the enhanced filter bag reduces resistance by 30% and ensures uniform airflow. It is durable, heat-resistant up to 80°C, and eliminates the risk of glass fiber cracking and microbial growth.



## Liquid Filter Bag

### Product Features

The product is made from acid and alkali-resistant materials such as glass fiber, PP, PE, and nylon. It has high strength and can be reused. It is suitable for filtering industrial liquids like electroplating solutions, paint, ink, coatings, and food chemicals. It comes in different sizes and can be customized to fit specific equipment requirements.



## Dust Bag

### Product Features

The product is made by stitching various filter fabrics together. It is resistant to oil, water, and static electricity, with good breathability and high dust collection efficiency. It has a longer lifespan than glass fiber fabrics and is widely used in industries like petroleum, chemical, metallurgy, mining, cement, and environmental dust removal.

# CHEMICAL FILTER SERIES

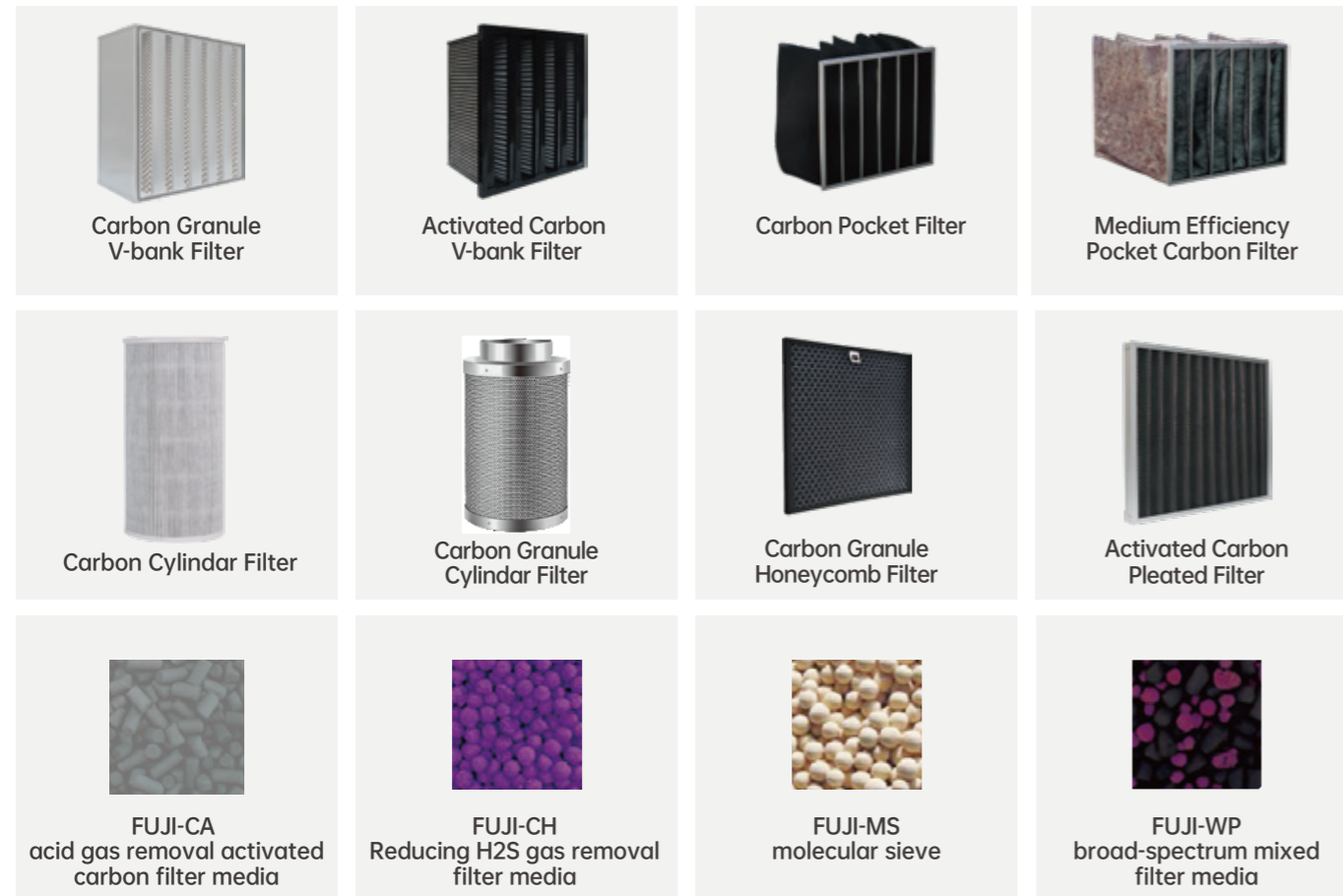
Chemical filters usually use activated carbon, modified activated carbon, alumina, ion exchange resin and other purification media, and apply physical adsorption, chemical adsorption (oxidation, medium core, ion exchange, catalysis) and other principles to effectively purify gaseous molecular pollutants and reduce the concentration of pollutants.

Common adsorption media are activated carbon, modified activated carbon, alumina (impregnated with potassium permanganate), ion exchange resin. Activated carbon: for VOCs volatile organic compounds; Modified activated carbon: for acid/alkaline gas and other special gases; Alumina (potassium permanganate impregnation): for sulfur/nitrogen compounds, formaldehyde, ethylene and other gases; Ion exchange resin: for ammonia organic matter;

The adsorption principle of chemical filter can be divided into physical adsorption and chemical adsorption;

Physical adsorption: Use a large number of micropores in the adsorption medium to capture gaseous molecular pollutants, and enrich the molecular pollutants on the internal control surface through the Van Der Waals force, which has broad-spectrum characteristics. In actual operating conditions, temperature and humidity have a great influence on the gas removal efficiency and adsorption capacity.

Chemical adsorption: through chemical impregnation treatment on the surface of the adsorption medium, the target molecular pollutants will have an irreversible chemical reaction with the surface of the adsorption medium to achieve the purpose of removing pollutants. At the same time, chemical adsorption will also be affected by operating conditions, such as temperature and humidity. Similar to modified activated carbon, potassium permanganate alumina.



# Activated Carbon Pleated Filter

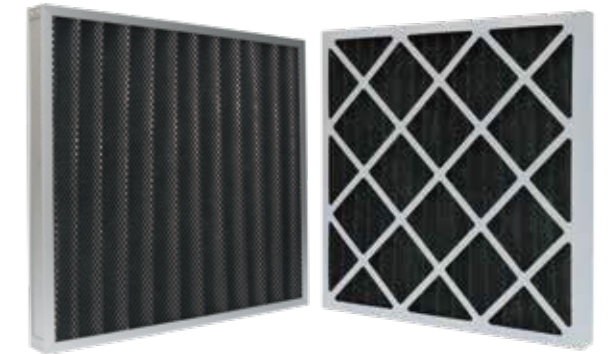
Adaptive Efficiency: G4

## Product Features

- Long life-span of media
- Easy to use
- Used high quality active felt or activated carbon fiber, to meet the special needs of environment
- 100% Factory inspection
- Good effect on odor removal
- Used different frame for different working environment

## Application

Widely used in airport, subway, car, electronic factory, nuclear power plant, household and central air conditioning, hospital, and swage treatment.



## Material and Operation Conditions

Media	Activated carbon fiber
Frame	Extruded aluminum / Galvanized steel / Folding aluminum / Cardboard/ Stainless steel
Optional aluminum frame thickness(mm)	21 25 46 50 69 80 90 96
Sealant	White latex or universal glue
Odor removal rate	>70%
Max. Temperature	50°C(except cardboard)
Max. Humidity	Cardboard frame: 70% Other frame materia: 100%

## Technology Parameters

\*customized parameters available

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Cpleat-01	12*12*1	287*287*21	180	40	0.15	0.61	G4	Coarse 65%
Cpleat-02	24*12*1	594*287*21	350	40	0.28	0.56	G4	Coarse 65%
Cpleat-03	12*12*2	287*287*46	250	40	0.20	0.84	G4	Coarse 65%
Cpleat-04	24*12*2	594*287*46	500	40	0.39	0.81	G4	Coarse 65%
Cpleat-05	24*20*2	594*490*46	850	40	0.57	0.80	G4	Coarse 65%
Cpleat-06	24*24*2	594*594*46	1000	40	0.80	0.79	G4	Coarse 65%
Cpleat-07	12*12*4	287*287*96	350	40	0.29	1.18	G4	Coarse 65%
Cpleat-08	24*12*4	594*287*96	700	40	0.57	1.14	G4	Coarse 65%
Cpleat-09	24*20*4	594*490*96	1200	40	0.97	1.15	G4	Coarse 65%
Cpleat-10	24*24*4	594*594*96	1450	40	1.17	1.14	G4	Coarse 65%
Cpleat-11	12*12*1	287*287*21	350	50	0.27	1.18	G4	Coarse 65%
Cpleat-12	24*12*1	594*287*21	700	50	0.54	1.14	G4	Coarse 65%
Cpleat-13	12*12*2	287*287*46	500	50	0.39	0.81	G4	Coarse 65%
Cpleat-14	24*12*2	594*287*46	1000	50	0.76	0.94	G4	Coarse 65%
Cpleat-15	24*20*2	594*490*46	1600	50	1.28	1.53	G4	Coarse 65%
Cpleat-16	24*24*2	594*594*46	2000	50	1.55	1.57	G4	Coarse 65%
Cpleat-17	12*12*4	287*287*96	700	50	0.57	2.36	G4	Coarse 65%
Cpleat-18	24*12*4	594*287*96	1400	50	1.09	2.28	G4	Coarse 65%
Cpleat-19	24*20*4	594*490*96	2350	50	1.84	2.24	G4	Coarse 65%
Cpleat-20	24*24*4	594*594*96	2800	50	2.22	2.20	G4	Coarse 65%

# Activated Carbon Granule Panel Filter

Adaptive Efficiency: target order and gases

## Product Features

- ⊙ Designed for odor removal and gas phase applications
- ⊙ Strong PVC plastic honeycomb is supported and separated internally to provide uniform distribution of air and provide high activated carbon holding capacity.
- ⊙ Good appearance, convenient installation, easy maintenance
- ⊙ Corrosion-free, fully incinerable, non-metal construction

## Application

For indoor climate control systems such as airports, hospitals, museums, laboratories, pharmacies, commercial buildings, etc., where environment obtain strange odors, gases or acid vapors.

## Material and Operation Conditions

Media	Activated carbon fiber
Frame	Plastic frame / Aluminum Galvanized
Sealant	Two-component polyurethane glue
Gasket	(optional) EVA / EPDM
Separator	Plastic honeycomb
Faceguard	Two sides nylon screen
Frame thickness (mm)	21 46



## Technology Parameters

\*customized parameters available

Model	Size (Inch) (HxWxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Carbon content	Velocity (m/s)
CGPanel-01	24*12*2	592*287*46	1700	70	>70%	2.54
CGPanel-02	24*20*2	592*495*46	2600	70	>70%	2.54
CGPanel-03	24*24*2	592*592*46	3400	70	>70%	2.54

# Activated Carbon Pocket Filter

Adaptive Efficiency: G4

## Product Features

- ⊙ High quality activated carbon media
- ⊙ Strong surface adsorption ability
- ⊙ Can effectively remove the smell of the air, sulfur oxides and other volatile organic compounds
- ⊙ Large air flow, low resistance
- ⊙ Large media area
- ⊙ Good effect on odor removal of organic compounds

## Application

Widely used in ventilation, central air conditioning systems, electronics factory, pharmaceutical workshop, etc.

## Material and Operation Conditions

Media	Activated carbon filter
Frame	Extruded aluminum / Galvanized steel
Optional aluminum frame thickness(mm)	21 25 46
Max. Temperature	50°C
Max. Humidity	100%



## Technology Parameters

\*customized parameters available

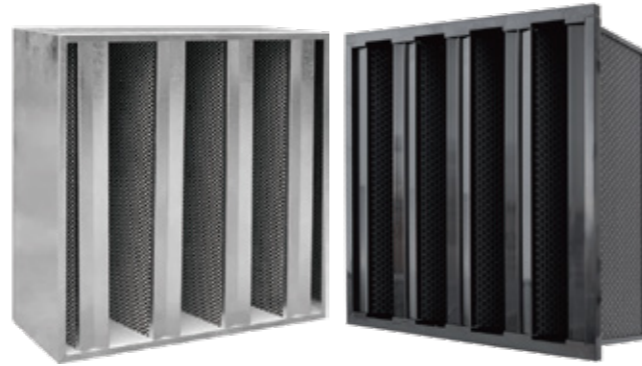
Model	Size(inch) (HxWxD)	Size(mm) (HxWxD)	Air flow (m³/h)	Initial Pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)	Pocket no.
Cbag-01	12*24*12	594*287*305	1700	80	2.29	2.77	G4	Coarse 65%	6
Cbag-02	24*24*12	594*594*305	3400	80	2.48	2.68	G4	Coarse 65%	6
Cbag-03	12*24*15	287*594*381	1400	60	1.54	2.28	G4	Coarse 65%	3
Cbag-04	24*24*15	594*594*381	3600	60	3.09	2.83	G4	Coarse 65%	6
Cbag-05	12*24*15	287*594*381	1800	60	1.98	2.93	G4	Coarse 65%	4
Cbag-06	24*24*15	594*594*381	3600	60	3.98	2.83	G4	Coarse 65%	8
Cbag-07	12*24*22	287*594*560	2000	60	2.26	3.26	G4	Coarse 65%	3
Cbag-08	24*24*22	594*594*560	4000	60	4.55	3.15	G4	Coarse 65%	6
Cbag-09	12*24*22	287*594*560	2600	60	2.91	4.24	G4	Coarse 65%	4
Cbag-10	24*24*22	594*594*560	5200	60	5.85	4.09	G4	Coarse 65%	8
Cbag-11	12*24*26	287*594*660	2400	60	2.66	3.91	G4	Coarse 65%	3
Cbag-12	24*24*26	594*594*660	4800	60	5.36	3.78	G4	Coarse 65%	6
Cbag-13	12*24*26	287*594*660	3000	60	3.42	4.89	G4	Coarse 65%	4
Cbag-14	24*24*26	594*594*660	6000	60	6.89	4.72	G4	Coarse 65%	8

# Activated Carbon Granule V-bank Filter

Adaptive Efficiency: target order and gases

## Product Features

- ⊙ Designed for gaseous contamination control in both new and existing HVAC system.
- ⊙ Consist of eight activated carbon-filled panels arranged in a V configuration and sealed with non-volatile adhesive, maximized its adsorption efficiency with lower pressure drop.
- ⊙ The activated carbon granule loaded could be modified to control difficult contaminants, such as H<sub>2</sub>S, acid gases, formaldehyde, ammonia, aldehydes and amines.
- ⊙ Good appearance, convenient installation, easy maintenance.
- ⊙ Corrosion-free, non-metal construction, not changeful form, a low resistance and long life-span.



## Application

For indoor climate control systems such as airports, hospitals, museums, laboratories, pharmacies, commercial buildings, etc., where environment obtain strange odors, gases or acid vapors.

## Material and Operation Conditions

Media	Activated carbon granule
Frame	Plastic / Aluminum Galvanized / SUS
Sealant	Two-component polyurethane glue
Gasket	(optional) EVA / EPDM
Separator	Plastic honeycomb
Faceguard	Two sides nylon screen at each panel
Frame thickness (mm)	292 400
Max. Temperature	50°C
Max. Humidity	100%

## Technology Parameters

\*customized parameters available

Model	Size (Inch) (HxWxD)	Size(mm) (WxHxD)	Air flow (m <sup>3</sup> /h)	Initial pressure (≤Pa)	Media area (m <sup>2</sup> )	Velocity (m/s)	Pack no.	Filter grade (ISO16890)
CGPanel-01	24*12*12	592*287*292	1700	130	8	2.54	4	
CGPanel-02	24*20*12	592*495*292	2600	130	12	2.54	4	
CGPanel-03	24*24*12	592*592*292	3400	130	16	2.54	4	

# Activated Carbon V-bank Filter

Adaptive Efficiency: G4, F5, F6, F7, F8, F9

## Product Features

- ⊙ Designed to efficiently remove particulates that contaminate the indoor air as well as a wide range of odors at high air flows.
- ⊙ Activated carbon is encapsulated in synthetic media mini-pleated which prevents dusting, minimizes pressure drop and ensures high effective area
- ⊙ Synthetic media is optional to choose from G4 ~ F9 filtration efficiency which could provide dual purification effect.
- ⊙ The activated carbon granule loaded could be modified to control difficult contaminants, such as H<sub>2</sub>S, acid gases, formaldehyde, ammonia, aldehydes and amines.
- ⊙ Good appearance, convenient installation, easy maintenance.
- ⊙ High impact ABS frame is corrosion free and fully incinerable.



## Application

From indoor climate control systems such as airports, hospitals, museums, laboratories, pharmacies, commercial buildings, etc., where environment obtain strange odors, gases or acid vapors.

## Material and Operation Conditions

Media	Activated carbon granule loaded synthetic fiber
Frame	Plastic frame
Sealant	Two-component polyurethane glue
Gasket	(optional) EVA / EPDM
Separator	(optional) Hot melt bead
Frame thickness (mm)	292
Max. Temperature	50°C
Max. Humidity	95%

## Technology Parameters

\*customized parameters available

Model	Size(mm) (HxWxD)	Size(mm) (HxWxD)	Air flow (m <sup>3</sup> /h)	Initial Pressure (≤Pa)	Media area (m <sup>2</sup> )	Velocity (m/s)	VOC efficiency	Pack no.
CGC-01	24*12*12	592*287*292	1700	68	2.60	2.54	90%	4
CGC-02	24*20*12	592*495*292	2600	68	4.74	2.54	90%	4
CGC-03	24*24*12	592*592*292	3400	68	5.85	2.54	90%	4



# FUJI-CA acid gas removal activated carbon filter media

## Product Features

FUJI-CA is an activated carbon filter medium impregnated with special chemical reagents. When adsorbing pollutant gas, the special chemical reagent evenly immersed in the medium will chemically react with the acid gas and convert it into inorganic salt that is difficult to decompose, so as to achieve the effect of removing the acid gas. FUJI-CA can effectively remove about 90% of the acid gas in the environment.

## Technical specifications

Item	Internal control parameters
Floating Ash	No obvious dust
Base carbon CTC (%)	>60
Diameter(mm)	4.0
Strength (%)	>95
Moisture (%)	<15
Ash content (%)	>12
KOH (%)	<8
Iodine value (mg/g)	>900
Specific surfacearea (m <sup>2</sup> /g)	>950

Targeted gas	Applicable place
Sulfuric acid, H <sub>2</sub> S, SO <sub>2</sub> . Targeted gas volatile organic compounds VOC, etc.	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

# FUJI-CV VOC removal activated carbon filter media

## Product Features

FUJI-CV is a high-absorption filter medium made of non-oxic coalbased activated carbon.It can adsorb and gather toxic and impure gases in the environment in its own micropores with its strong adsorption capacity, that can efectively removing 90% target gas pollutants around.

## Technical specifications

Item	Internal control parameters
Floating Ash	No obvious dust
Base carbon CTC (%)	>60
Diameter(mm)	4.0
Strength (%)	>98
Moisture (%)	<5
Ash content (%)	>12
KOH (%)	/
Specific surfacearea (m <sup>2</sup> /g)	>1150

Targeted gas	Applicable place
Toluene, benzene, fue gas (nitrogen dioxide NO <sub>2</sub> ), hydrocarbons, chiorine and volatile organic compound gas VOC.etc.	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

# FUJI-CB activated carbon filter media for removing alkaline gas

## Product Features

FUJI-CB is an activated carbon filter medium impregnated with special chemical reagents. When adsorbing pollutant gas, the special chemical reagent evenly immersed in the medium will chemically react with the alkaline gas and convertit into an inorganic salt that is difficult to decompose. FUJU-CB can effectively remove about 90% of the alkaline gas in the environment.

## Technical specifications

Item	Internal control parameters
Floating Ash	No obvious dust
Base carbon CTC (%)	>60
Diameter(mm)	4.0
Strength (%)	>95
Moisture (%)	<15
Ash content (%)	>12
KOH (%)	>15
Iodine value (mg/g)	>900
Specific surfacearea (m <sup>2</sup> /g)	>950

Targeted gas	Applicable place
Alkaline gas such as ammonia (NH <sub>3</sub> )	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

# FUJI-CB activated carbon filter media for removing alkaline gas

## Product Features

FUJI-CB is an activated carbon filter medium impregnated with special chemical reagents. When adsorbing pollutant gas, the special chemical reagent evenly immersed in the medium will chemically react with the alkaline gas and convertit into an inorganic salt that is difficult to decompose. FUJU-CB can effectively remove about 90% of the alkaline gas in the environment.

## Technical specifications

Item	Internal control parameters
Floating Ash	No obvious dust
Base carbon CTC (%)	>60
Diameter(mm)	4.0
Strength (%)	>95
Moisture (%)	<15
Ash content (%)	>12
KOH (%)	>15
Iodine value (mg/g)	>900
Specific surfacearea (m <sup>2</sup> /g)	>950

Targeted gas	Applicable place
Alkaline gas such as ammonia (NH <sub>3</sub> )	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

# FUJI-CH Reducing H2S gas removal filter media

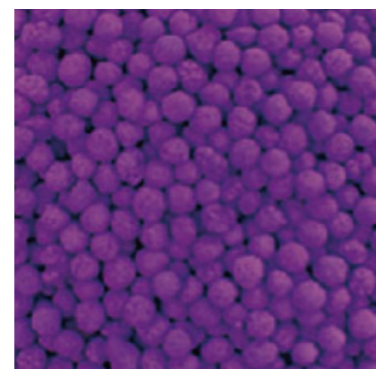
## Product Features

FUJI-CH is a filter media prepared by using activated alumina balls as a carrier and impregnated with potassium permanganate solution. Potassium permanganate has strong oxidizing properties in the medium, which can oxidize and decompose harmful gases in the air to achieve the purpose of purifying the air. At the same time, it has the effect of inhibiting the growth of bacteria and fungi. FUJI-CH can effectively remove about 85% of the target gas pollutants in the gas stream.

## Technical specifications

Item	Internal control parameters
Al <sub>2</sub> O <sub>3</sub> (%)	>80
KMnO <sub>4</sub> (%)	>8
Na <sub>2</sub> O (%)	<0.35
Fe <sub>2</sub> O <sub>3</sub> (%)	<0.04
Compressive strength (N/piece)	>100
Bulk density (g/ml)	>0.8
Pore volume (cm <sup>3</sup> /g)	>0.38
Specific surfacearea (m <sup>2</sup> /g)	>150

Targeted gas	Applicable place
SO <sub>2</sub> , H <sub>2</sub> S, nitric oxide, formaldehyde, low molecular weight aldehydes and organic acids, etc.	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

# FUJI-CC coconut shell activated carbon filter media

## Product Features

FUJI-CC is a high-absorption filter medium made of non-toxic coconut shell activated carbon. Through its strong adsorption performance, it can absorb and gather toxic and impure gases in the environment in its own micropores, that can effectively removing 90 % of target gas pollutants.

## Technical specifications

Item	Internal control parameters
Moisture (%)	>10
Ash content (%)	>5
PH	7-10
CTC (%)	>50
Iodine value (mg/g)	>1000
Strength (%)	>95
Specific surfacearea (m <sup>2</sup> /g)	>0.38

Targeted gas	Applicable place
Flue gas (nitrogen dioxide NO <sub>2</sub> ), hydrocarbons, chlorine and volatile organic compound gas TVOC, etc.	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

# FUJI-HAV mixed filter media for removing acid gas and VOC gas

## Product Features

FUJI-HAV is mainly composed of FUJI-CA acid gas removal activated carbon filter media and VOC gas removal activated carbon filter media uniformly mixed in a certain proportion through the combined effect of physical adsorption and chemical reaction, to remove about 90% of the target gas pollutants in the filter system.

## Technical specifications

Item	FUJI-CA	FUJI-CA
Base carbon CTC(%)	>60	>60
Diameter (mm)	4.0	4.0
Strength (%)	>95	>95
Moisture (%)	<15	<5
Ash content (%)	<12	<12
KOH (%)	>8	/
Iodine value (mg/g)	>900	>900
Specific surfacearea (m <sup>2</sup> /g)	>950	>1150

Targeted gas	Applicable place
Flue gas (nitrogen dioxide NO <sub>2</sub> ), hydrocarbons, chlorine and volatile organic compound gas TVOC, etc.	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

# FUJI-HBV mixed filter media for removing alkaline gas and VOC gas

## Product Features

FUJI-HBV is mainly composed of FUJI-CB alkaline gas removal activated carbon filter media and VOC removal activated carbon filter media uniformly mixed in a certain proportion, through the combined effect of physical adsorption and chemical reaction, to remove about 99.5% of the target in the filtration system air pollutants.

## Technical specifications

Item	FUJI-CA	FUJI-CA
Base carbon CTC(%)	>60	>60
Diameter (mm)	4.0	4.0
Strength (%)	>95	>95
Moisture (%)	<15	<5
Ash content (%)	<12	<12
KOH (%)	>15	/
Iodine value (mg/g)	>900	>900
Specific surfacearea (m <sup>2</sup> /g)	>950	>1150

Targeted gas	Applicable place
Ammonia (NH <sub>3</sub> ) and volatile organic compounds (VOC).etc.	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

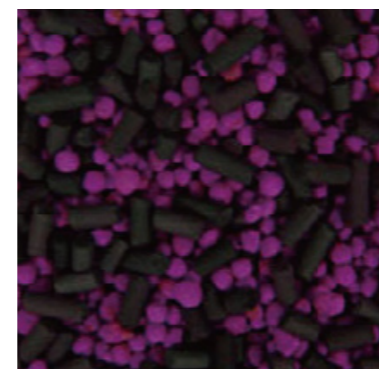
# FUJI-HHV Reducing H2S gas and VOC gas removal mixed filter media

## Product Features

FUJI-HHV is mainly composed of FUJI-CH reducing H2S gas removal filter media and VOC gas removal activated carbon filter media uniformly mixed in equal volume ratio, through the combined effect of physical adsorption and chemical reaction, to remove the active compounds and volatile organic compounds in the air.

## Technical specifications

Item	FUJI-CA	Item	FUJI-CV
Al <sub>2</sub> O <sub>3</sub> (%)	≥80	Base carbon CTC(%)	≥60
KMnO <sub>4</sub> (%)	≥8	Diameter (mm)	4.0
Na <sub>2</sub> O (%)	<0.35	Strength (%)	≥98
Fe <sub>2</sub> O <sub>3</sub> (%)	<0.04	Moisture (%)	<5
Compressive strength (N/piece)	≥100	Ash content (%)	<12
Bulk density (g/ml)	≥0.8	KOH (%)	/
Pore volume (cm <sup>3</sup> /g)	≥0.38	Iodine value (mg/g)	≥900
Specific surfacearea (m <sup>2</sup> /g)	≥150	Specific surfacearea (m <sup>2</sup> /g)	≥1150



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

Targeted gas	Applicable place
SO <sub>2</sub> , H <sub>2</sub> S, nitric oxide, formaldehyde, low molecular weight aldehydes and volatile organic compounds (VOC), etc.	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.

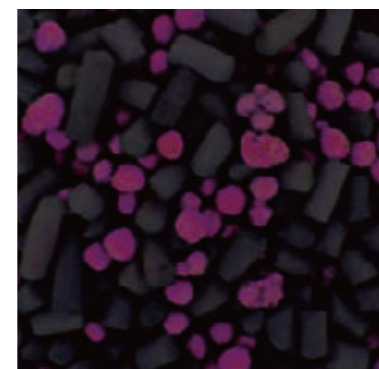
# FUJI-WS broad-spectrum mixed filter media

## Product Features

FUJI-WS is an activated carbon filter medium impregnated with special chemical reagents, When adsorbing pollutant gas, the special chemical reagent evenly immersed in the medium will chemically react with the acid gas and convert it into inorganic salt that is difficult to decompose, so as to achieve the effect of removing the acid gas. FUJI-WS can effectively remove about 90% of the acid gas in the environment

## Technical specifications

Item	FUJI-CA	FUJI-CA	Item	FUJI-CV
Base carbon CTC(%)	≥60	≥60	Al <sub>2</sub> O <sub>3</sub> (%)	≥80
Diameter (mm)	4.0	4.0	KMnO <sub>4</sub> (%)	≥8
Strength (%)	≥95	≥98	Na <sub>2</sub> O (%)	<0.35
Moisture (%)	<15	<5	Fe <sub>2</sub> O <sub>3</sub> (%)	<0.04
Ash content (%)	<12	<12	Compressive strength (N/piece)	≥100
KOH (%)	≥8	/	Bulk density (g/ml)	≥0.8
Iodine value (mg/g)	≥900	≥900	Pore volume (cm <sup>3</sup> /g)	≥0.38
Specific surfacearea (m <sup>2</sup> /g)	≥950	≥1150	Specific surfacearea (m <sup>2</sup> /g)	≥150



## Typical application:

Temperature: -20°C ~ 51°C  
Humidity: 10% ~ 95%

Face wind speed:  
50 ~ 500fpm (0.25 ~ 2.5m/s)

Targeted gas	Applicable place
Formaldehyde, organic matter, H <sub>2</sub> S, NO <sub>2</sub> , SO <sub>2</sub> , low molecular aldehydes and organic acids, volatile organic compounds VOC, etc.	Commercial buildings, data centers, microelectronic chip factories, food and beverage factories, museums, paper mills, chemical plants, waste treatment plants, etc.

# Cylinder Carbon Granule Filter

Adaptive Efficiency: G4, F5, F6, F7, F8, F9

## Product Features

- Designed for gaseous contamination control in both new and existing HVAC system.
- Factory refillable.
- The activated carbon granule loaded could be modified to control difficult contaminants, such as H<sub>2</sub>S, acid gases, formaldehyde, ammonia, aldehydes and amines.
- Good appearance, convenient installation, easy maintenance.
- Corrosion-free, non-metal construction, not changeful form, a low resistance and long life-span.



## Application

For indoor climate control systems such as airports, hospitals, museums, laboratories, pharmacies, commercial buildings, etc., where environment obtain strange odors, gases or acid vapors.

## Material and Operation Conditions

Media	Activated carbon granule
Frame	Galvanized / SUS
Sealant	Two-component polyurethane glue
Gasket	(optional) EVA / EPDM
Separator	(optional) Hot melt bead
Frame thickness (mm)	Perforated metal sheet
Connection	(optional) three-point bayonet connection
Max. Temperature	50°C
Max. Humidity	70%

## Technology Parameters

Model	Size(mm) (HxWxD)	Size(mm) (HxWxD)	Air flow (m <sup>3</sup> /h)	Initial Pressure (≤Pa)	Media area (m <sup>2</sup> )	Weight (kgs)	Velocity (m/s)
CGC-01	24*12*12	592*287*292	1700	68	2.60	2.54	2.54
CGC-02	24*20*12	592*495*292	2600	68	4.74	2.54	2.54
CGC-03	24*24*12	592*592*292	3400	68	5.85	2.54	2.54

\*customized parameters available

# ► MEDIUM FILTER SERIES

Medium filters are air filters capture dust particles in size 1 μm ~ 10 μm. In air conditioning purification systems, medium filters are often used behind the pre filters to improve purification efficiency or used in front of the HEPA filters to extend the service life of the HEPA filters. With the characteristics of strong pulling force, low resistance, large air flow, and large filtering area.

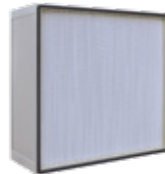
FUJI medium filter series divided into six types: Mini-pleat filter, Separator filter, V-bank filter, Cylinder filter, Bag filter, Pleated filter.

## 1. Mini-pleat Filter



Mini-pleat Filter

## 2. Separator Filter



Separator Filter

## 3. V-bank Filter



V-bank Filter in Plastic Frame

## 4. Cylinder Filter

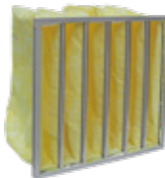


Cylinder Filter

## 5. Bag Filter



Synthetic Fiber Pocket Filter

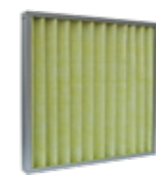


Glass Fiber Pocket Filter

## 6. Pleated Filter

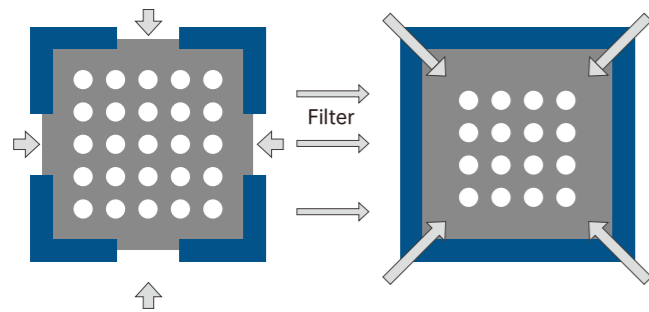


Box Type Filter



Pleated Medium Filter

## Medium filter dust filter effect duageam

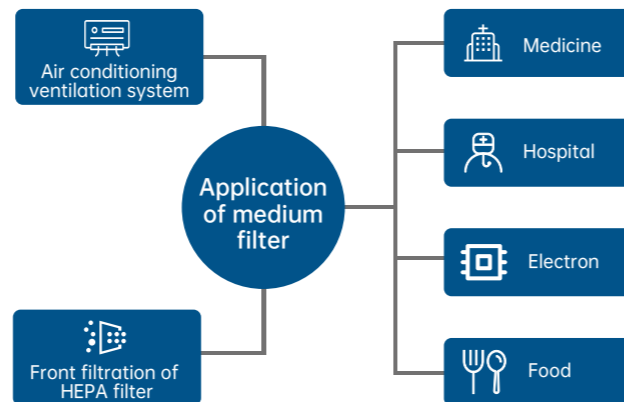


Before filter, gathered different direction and a big number of dust, medium pocket filter is easy, to gather large amounts of dust, due to the bag design, it has large dust holding capacity and can hold more dust particles and lock them without overflow

After filtration, most of the dust has been filtrated. Due to the pocket design dust is not easy to overflow, so it's more effective to achieve filtration purpose.

## Medium filter applications

FUJI Medium pocket filter is widely used in the purification of the central air conditioning and ventilation systems, pharmaceuticals, hospitals, electronic and food industries. Medium pocket filter can also serve as the first level for HEPA filters to reduce loading and extend life of HEPA filter. Because it has a big surface wind speed, it has large dust holding capacity, high wind speed and is considered to be the best one in medium filter structure.



# Mini-pleat Filter

Adaptive Efficiency: M6, F7, F8, F9

## Product Features

The first domestic production of non-jointing mini pleat filter, width up to 1500mm.

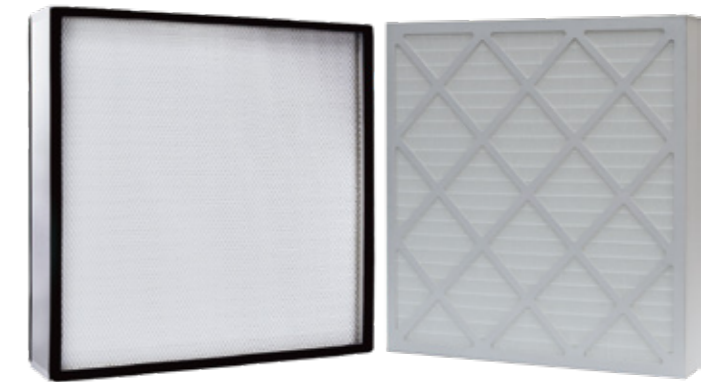
- Light weight, convenient installation and replacement
- 100% factory inspection
- High cost performance and extensive application
- Stable efficiency and uniform installation and replacement
- Small volume to save space
- To protect HEPA filter

## Application

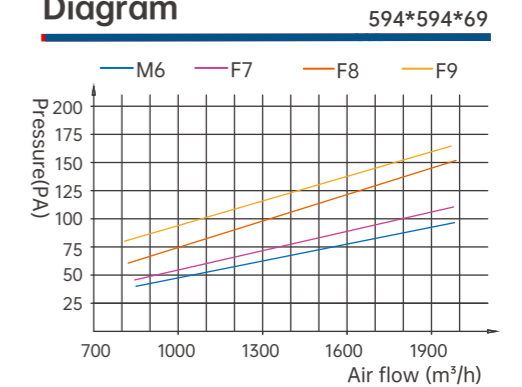
It mainly used for central air-conditioning and integrated air supply system, in order to protect HEPA filter, also system itself.

## Material and Operation Conditions

Media	Micro glass fiber / PP (Polypropylene) fiber
Frame	Extruded aluminum/ Folding aluminum/ Galvanized steel/ Stainless steel/ MDF
Sealant	Two-component polyurethane glue
Gasket	PU endless gasket / EVA / EPDM
Separator	Hot melt bead
Optional aluminum frame thickness (mm)	38 46 50 69 75 78 80 90 96 100 110 120 150(Customized design is available)
Max. Temperature	70°C
Max. Humidity	100%



## Air Flow & Resistance Diagram



## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Minipak-M-01	24*12*4	594*287*96	1700	130	7.05	2.77	M6	ePM10 70%
Minipak-M-02	24*24*4	594*594*96	3400	130	14.59	2.68	M6	ePM10 70%
Minipak-M-03	24*12*4	594*287*96	1700	150	7.05	2.77	F7	ePM10 70%
Minipak-M-04	24*24*4	594*594*96	3400	150	14.59	2.68	F7	ePM10 70%
Minipak-M-05	24*12*4	594*287*96	1700	180	7.05	2.77	F8	ePM10 70%
Minipak-M-06	24*24*4	594*594*96	3400	180	14.59	2.68	F8	ePM1 55%
Minipak-M-07	24*12*4	594*287*96	1700	200	7.05	2.77	F9	ePM1 55%
Minipak-M-08	24*24*4	594*594*96	3400	200	14.59	2.68	F9	ePM1 55%
Minipak-MPP-01	24*12*4	594*287*96	1700	80	7.05	2.77	M6	ePM1 55%
Minipak-MPP-02	24*24*4	594*594*96	3400	80	14.59	2.68	M6	ePM1 70%
Minipak-MPP-03	24*12*4	594*287*96	1700	100	7.05	2.77	F7	ePM1 70%
Minipak-MPP-04	24*24*4	594*594*96	3400	100	14.59	2.68	F7	ePM1 70%
Minipak-MPP-05	24*12*4	594*287*96	1700	130	7.05	2.77	F8	ePM1 70%
Minipak-MPP-06	24*24*4	594*594*96	3400	130	14.59	2.68	F8	ePM1 70%
Minipak-MPP-07	24*12*4	594*287*96	1700	150	7.05	2.77	F9	ePM1 70%
Minipak-MPP-08	24*24*4	594*594*96	3400	150	14.59	2.68	F9	ePM1 80%
Minipak-MPPC-01	24*12*4	594*287*96	1700	60	8.64	2.77	F8	ePM1 80%
Minipak-MPPC-02	24*24*4	594*594*96	3400	60	17.89	2.68	F8	ePM1 80%
Minipak-MPPC-03	24*12*4	594*287*96	1700	80	8.64	2.77	F9	ePM1 80%
Minipak-MPPC-04	24*24*4	594*594*96	3400	80	17.89	2.68	F9	ePM1 80%

# Separator Filter

Adaptive Efficiency: M5, M6, F7, F8, F9

## Product Features

- Endless gasket to provide excellent air tightness
- 100% factory inspection
- Wedge shaped pleat design to prevent the filter media from damage
- Big filtration area, big air flow, high efficiency
- 100% humidity resistance
- Even wind speed, big dust holding capacity
- High versatility

## Application

Mainly used in central air conditioning and integrated air supply system. Can be used as the primary filter of the air-conditioning systems to protect HEPA filter and the system itself. In the lower demanding situations of air purification cleanliness, the air gets through from medium filters can be sent directly to the working area.

## Material and Operation Conditions

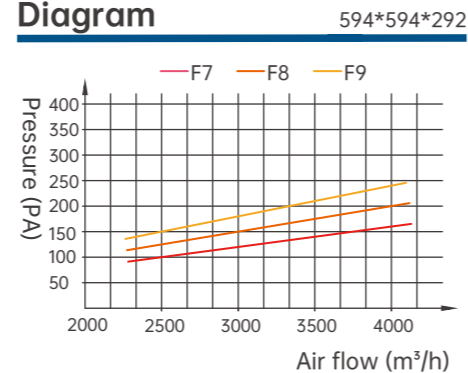
Media	Micro glass fiber
Frame	Extruded aluminum/ Folding aluminum / Galvanized steel/Stainless steel/ MDF
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket / EVA / EPDM
Separator	Offset paper / Aluminum foil
Optional frame thickness(mm)	80 96 120 150 220 292 305
Max. Temperature	Offset paper:50°C Aluminum foil:100°C
Max. Humidity	100%

## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Sepa-M-01	12*24*12	287*594*292	900	100	4.7	1.47	F7	ePM10 70%
Sepa-M-02	24*24*12	594*594*292	150	100	9.72	0.12	F7	ePM10 70%
Sepa-M-03	12*24*6	287*594*292	400	120	2.14	0.65	F8	ePM10 70%
Sepa-M-04	24*24*6	594*594*150	850	120	4.43	0.67	F8	ePM10 70%
Sepa-M-05	12*24*12	287*594*292	900	120	4.7	1.47	F8	ePM10 70%
Sepa-M-06	24*24*12	594*594*292	1850	120	9.72	1.46	F8	ePM1 55%
Sepa-M-07	12*24*6	287*594*150	400	150	2.14	0.65	F9	ePM1 55%
Sepa-M-08	24*24*6	594*594*150	850	150	4.43	0.67	F9	ePM1 55%
Sepa-M-09	12*24*12	287*594*292	900	150	4.7	1.47	F9	ePM1 55%
Sepa-M-10	24*24*12	594*594*292	1850	150	9.72	1.46	F9	ePM1 70%
Sepa-MHC-01	12*24*12	287*594*292	1700	100	8.46	2.77	F7	ePM1 70%
Sepa-MHC-02	24*24*12	594*594*292	3400	100	17.5	2.68	F7	ePM1 70%
Sepa-MHC-03	12*24*6	287*594*292	800	120	3.85	1.30	F8	ePM1 70%
Sepa-MHC-04	24*24*6	594*594*150	1600	120	7.97	1.26	F8	ePM1 70%
Sepa-MHC-05	12*24*12	287*594*292	1700	120	8.46	2.77	F8	ePM1 70%
Sepa-MHC-06	24*24*12	594*594*292	3400	120	17.5	2.68	F8	ePM1 80%
Sepa-MHC-07	12*24*6	287*594*150	800	150	3.85	1.30	F9	ePM1 80%
Sepa-MHC-08	24*24*6	594*594*150	1600	150	7.97	1.26	F9	ePM1 80%
Sepa-MHC-09	12*24*12	287*594*292	1700	150	8.46	2.77	F9	ePM1 80%
Sepa-MHC-10	24*24*12	594*594*292	3400	150	17.5	2.68	F9	ePM1 80%



## Air Flow & Resistance Diagram



# Separator Filter - (with Header)

Adaptive Efficiency: M5, M6, F7, F8, F9

## Product Features

- Endless gasket to provide excellent air tightness
- 100% factory inspection
- Wedge shaped pleat design to prevent the filter media from damage
- Big filtration area, big air flow, high efficiency
- 100% humidity resistance
- Even wind speed, big dust holding capacity
- High versatility

## Application

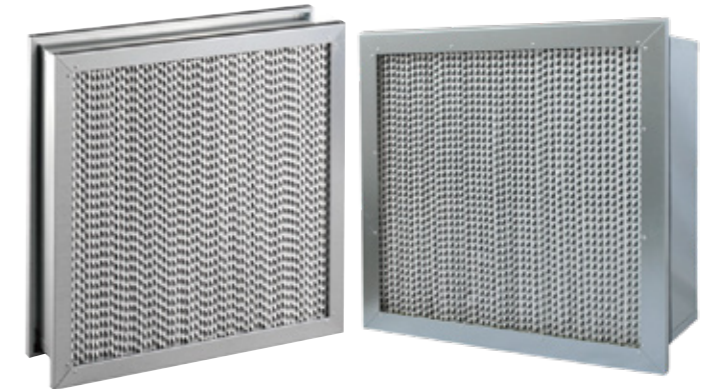
Mainly used in central air conditioning and integrated air supply system. Can be used as the primary filter of the air-conditioning systems to protect HEPA filter and the system itself. In the lower demanding situations of air purification cleanliness, the air gets through from medium filters can be sent directly to the working area.

## Material and Operation Conditions

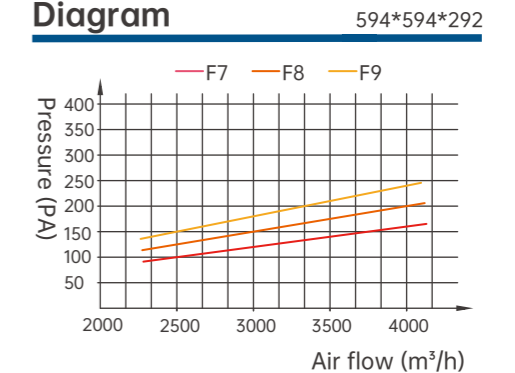
Media	Micro glass fiber
Frame	Aluminum/Folding aluminum Galvanized steel / Stainless steel
Sealant	Two-component polyurethane glue
Gasket	EVA / EPDM
Separator	Offset paper / Aluminum foil
Optional frame thickness(mm)	80 96 120 150 220 292 305
Max. Temperature	Offset paper:50°C Aluminum foil:100°C
Max. Humidity	100%

## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Sepa-MHD-01	12*24*6	287*594*150	725	160	1.72	1.47	F8	ePM10 70%
Sepa-MHD-02	16*24*6	395*594*150	550	160	2.47	0.78	F8	ePM10 70%
Sepa-MHD-03	24*24*6	594*594*150	850	160	3.85	0.77	F8	ePM10 70%
Sepa-MHD-04	12*24*12	287*594*292	900	160	3.77	1.83	F8	ePM10 70%
Sepa-MHD-05	24*24*12	594*594*292	1850	160	8.46	1.67	F8	ePM10 70%
Sepa-MHD-06	12*24*6	287*594*150	400	180	1.72	0.81	F9	ePM1 55%
Sepa-MHD-07	16*24*6	395*594*150	550	180	2.47	0.78	F9	ePM1 55%
Sepa-MHD-08	24*24*6	594*594*150	850	180	3.85	0.77	F9	ePM1 55%
Sepa-MHD-09	12*24*12	287*594*292	900	180	3.77	1.83	F9	ePM1 55%
Sepa-MHD-10	24*24*12	594*594*292	1850	180	8.46	1.67	F9	ePM1 70%
Sepa-MHD-HC-01	12*24*6	287*594*292	850	160	3.09	1.73	F8	ePM1 70%
Sepa-MHD-HC-02	16*24*6	395*594*150	1100	160	4.44	1.55	F8	ePM1 70%
Sepa-MHD-HC-03	24*24*6	594*594*150	1700	160	6.94	1.54	F8	ePM1 70%
Sepa-MHD-HC-04	12*24*12	287*594*292	1700	160	6.79	3.45	F8	ePM1 70%
Sepa-MHD-HC-05	24*24*12	594*594*292	3400	160	15.22	3.08	F8	ePM1 80%
Sepa-MHD-HC-06	12*24*6	287*594*150	850	180	3.09	1.73	F9	ePM1 80%
Sepa-MHD-HC-07	16*24*6	395*594*150	1100	180	4.44	1.55	F9	ePM1 80%
Sepa-MHD-HC-08	24*24*6	594*594*150	1700	180	6.94	1.54	F9	ePM1 80%
Sepa-MHD-HC-09	12*24*12	287*594*292	1700	180	6.79	3.45	F9	ePM1 80%
Sepa-MHD-HC-10	24*24*12	594*594*292	3400	180	15.22	3.08	F9	ePM1 80%
Sepa-MHDD-HC-01	12*24*6	287*594*292	850	160	3.09	1.73	F8	ePM1 70%
Sepa-MHDD-HC-02	16*24*6	395*594*150	1100	160	4.44	1.55	F8	ePM1 70%
Sepa-MHDD-HC-03	24*24*6	594*594*150	1700	160	6.94	1.54	F8	ePM1 70%
Sepa-MHDD-HC-04	12*24*6	287*594*150	850	180	3.09	1.73	F9	ePM1 80%
Sepa-MHDD-HC-05	16*24*6	395*594*150	1100	180	4.44	1.55	F9	ePM1 80%
Sepa-MHDD-HC-06	24*24*6	594*594*150	1600	180	6.94	1.45	F9	ePM1 80%



## Air Flow & Resistance Diagram



# Synthetic Fiber Pocket Filter

Adaptive Efficiency: M5, M6, F7, F8, F9

## Product Features

- Large dust holding capacity and stable performance
- big air flow, low resistance, high efficiency
- Washable (Limited)
- 100% factory inspection
- Long life-span of media
- "V" -type filter bag structure, affordable, cost-effective

## Application

Widely used in ventilation, air conditioning systems, precision instruments manufacturing plant, electronics factory, pharmaceutical workshop and other places.



## Material and Operation Conditions

Media	Synthetic fiber / Non-woven fabrics
Pocket type	Sewing bag / Ultrasonic bag
Frame	Extruded aluminum / Galvanized steel / Plastic(ABS)
Optional frame thickness(mm)	Aluminum: 21, 25, 46 Plastic: 25
Max. Temperature	50°C
Max. Humidity	100%

## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial Pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)	Pocket no.
Bag-M-01	12*24*22	287*594*560	1800	50	2.91	2.93	M5	ePM10 55%	4
Bag-M-02	24*24*22	594*594*560	3400	50	4.55	2.68	M5	ePM10 55%	6
Bag-M-03	12*24*22	287*594*560	1800	60	2.91	2.93	M6	ePM10 60%	4
Bag-M-04	24*24*22	594*594*560	3400	60	4.55	2.68	M6	ePM10 60%	6
Bag-M-05	24*24*22	594*594*560	3800	60	5.85	2.99	M6	ePM10 60%	8
Bag-M-06	24*24*26	594*594*660	4500	60	6.89	3.54	M6	ePM10 60%	8
Bag-M-07	12*24*22	287*594*560	1800	80	2.91	2.93	F7	ePM10 70%	4
Bag-M-08	24*24*22	594*594*560	3400	80	4.55	2.68	F7	ePM10 70%	6
Bag-M-09	24*24*22	594*594*560	3800	80	5.85	2.99	F7	ePM10 70%	8
Bag-M-10	24*24*26	594*594*660	4500	80	6.89	3.54	F7	ePM10 70%	8
Bag-M-11	24*24*26	594*594*660	5000	80	8.42	3.94	F7	ePM10 70%	10
Bag-M-12	12*24*22	287*594*560	1800	105	2.91	2.93	F8	ePM10 80%	4
Bag-M-13	20*20*22	495*495*560	2400	105	3.77	2.72	F8	ePM10 80%	6
Bag-M-14	20*24*22	495*594*560	2800	105	4.44	2.65	F8	ePM10 80%	6
Bag-M-15	24*12*22	594*287*560	1700	105	2.48	2.77	F8	ePM10 80%	6
Bag-M-16	24*24*22	594*594*560	3400	105	4.55	2.68	F8	ePM10 80%	6
Bag-M-17	24*24*22	594*594*560	3800	105	5.85	2.99	F8	ePM10 80%	8
Bag-M-18	24*24*26	594*594*660	4500	105	6.89	3.54	F8	ePM10 80%	8
Bag-M-19	24*24*26	594*594*660	5000	105	8.42	3.94	F8	ePM10 80%	10
Bag-M-20	12*24*22	287*594*560	1800	120	2.91	2.93	F9	ePM10 85%	4
Bag-M-21	24*24*22	594*594*560	3400	120	4.55	2.68	F9	ePM10 85%	6
Bag-M-22	24*24*22	594*594*560	3800	120	5.85	2.99	F9	ePM10 85%	8
Bag-M-23	24*24*26	594*594*660	4500	120	6.89	3.54	F9	ePM10 85%	8
Bag-M-24	24*24*26	594*594*660	5000	120	8.42	3.94	F9	ePM10 85%	10

# Glass Fiber Pocket Filter

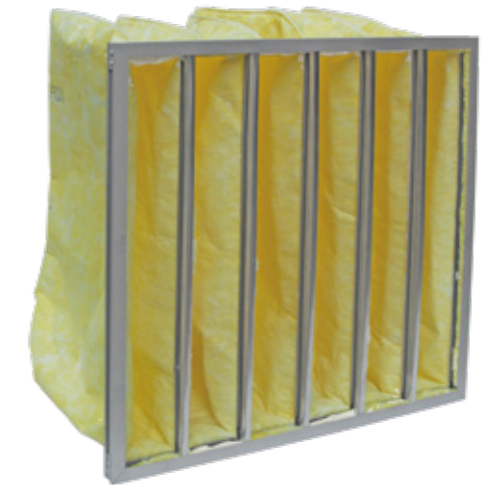
Adaptive Efficiency: M5, M6, F7, F8

## Product Features

- Long life-span of media
- 100% factory inspection
- Import glass fiber media to make sure the efficiency
- Large dust holding capacity
- Performance of flame-retardant is Well to achieve UL-2 standard.

## Application

The best ideal for fire certification company to use, and ideal configuration for ventilation air conditioning system.



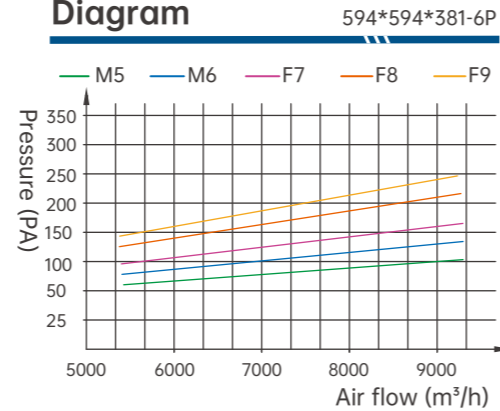
## Material and Operation Conditions

Media	Micro glass fiber
Pocket type	Sewing bag / Ultrasonic bag
Frame	Extruded aluminum / Galvanized steel
Optional aluminum thickness(mm)	21 25
Max. Temperature	50°C
Max. Humidity	100%

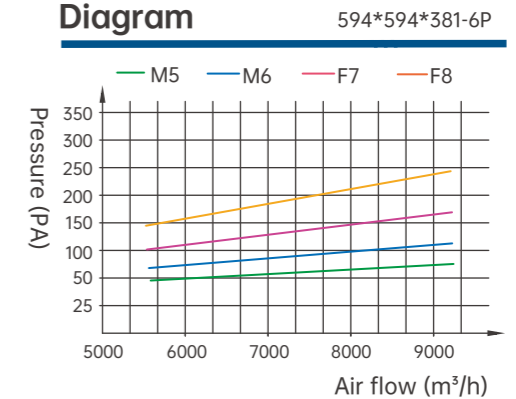
## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (HxWxD)	Air flow (m³/h)	Initial Pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)	Pocket no.
Bag-GM-01	24*24*22	594*594*560	3000	40	4.55	2.36	M5	ePM10 55%	6
Bag-GM-02	24*24*22	594*594*560	3800	40	5.85	2.99	M5	ePM10 55%	8
Bag-GM-03	24*24*26	594*594*660	4450	40	6.89	3.50	M5	ePM10 55%	8
Bag-GM-04	24*24*26	594*594*660	4900	40	8.42	3.86	M5	ePM2.5 50%	10
Bag-GM-05	24*24*22	594*594*560	3000	60	4.55	2.36	M6	ePM2.5 50%	6
Bag-GM-06	24*24*22	594*594*560	3800	60	5.85	2.99	M6	ePM2.5 50%	8
Bag-GM-07	24*24*26	594*594*660	4450	60	6.89	3.50	M6	ePM2.5 50%	8
Bag-GM-08	24*24*26	594*594*660	4900	60	8.42	3.86	M6	ePM2.5 50%	10
Bag-GM-09	12*24*15	287*594*381	1000	90	1.54	1.63	F7	ePM1 60%	3
Bag-GM-10	24*24*15	594*594*381	2000	90	3.09	1.57	F7	ePM1 60%	6
Bag-GM-11	24*24*22	594*594*560	3000	90	4.55	2.36	F7	ePM1 60%	6
Bag-GM-12	24*24*22	594*594*560	3800	90	5.85	2.99	F7	ePM1 60%	8
Bag-GM-13	24*24*26	594*594*660	4450	90	6.89	3.50	F7	ePM1 60%	8
Bag-GM-14	24*24*26	594*594*660	4900	90	8.42	3.86	F7	ePM1 60%	10
Bag-GM-15	12*24*15	287*594*381	1000	130	1.54	1.63	F8	ePM1 70%	3
Bag-GM-16	24*24*15	594*594*381	2000	130	3.09	1.57	F8	ePM1 70%	6
Bag-GM-17	24*24*22	594*594*560	3000	130	4.55	2.36	F8	ePM1 70%	6
Bag-GM-18	24*24*22	594*594*560	3800	130	5.85	2.99	F8	ePM1 70%	8
Bag-GM-19	24*24*26	594*594*660	4450	130	6.89	3.50	F8	ePM1 70%	8
Bag-GM-20	24*24*26	594*594*660	4900	130	8.42	3.86	F8	ePM1 70%	10

## Air Flow & Resistance Diagram



## Air Flow & Resistance Diagram



# V-bank Filter

Adaptive Efficiency: M5, M6, F7, F8, F9

## Product Features

- ◎ 100% factory inspection
- ◎ Able to sustain big air volume
- ◎ Big filtration area, air flow, high efficiency
- ◎ Special V type structure, reduce structural resistance
- ◎ Available with installation flange, more convenience to install
- ◎ Good sealing

## Application

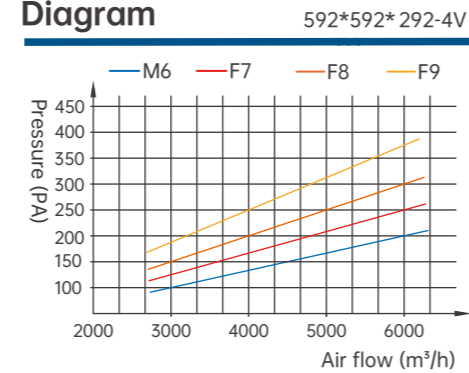
1. Aviation, electronic, semiconductor, wafer, biological pharmaceutical, hospital, food processing and other high clean class occasions.
2. Used as the front filtration level for HEPA filter



## Material and Operation Conditions

Media	Micro glass fiber / carbon granule / PP
Frame	Plastic (ABS+PVC)
Sealant	Two-component polyurethane glue
Gasket	EVA / EPDM
Separator	Hot melt bead
Optional frame thickness	292 400
Max. Temperature	70°C
Max. Humidity	100%

## Air Flow & Resistance Diagram



## Technology Parameters

Model	Size (inch) (WxHxD)	Size (mm) (HxWxD)	Air flow (m³/h)	Initial Pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)	Pack no.
Vbank-M-01	12*12*12	287*287*292	750	80	3.24	2.53	M6	ePM10 70%	2
Vbank-M-02	12*24*12	287*592*292	1600	80	7.28	2.61	M6	ePM10 70%	2
Vbank-M-03	24*12*12	592*287*292	1700	80	6.49	2.77	M6	ePM10 70%	4
Vbank-M-04	24*20*12	592*490*292	2600	80	11.82	2.48	M6	ePM10 70%	4
Vbank-M-05	24*24*12	592*592*292	3200	80	14.55	2.52	M6	ePM10 70%	4
Vbank-M-06	24*12*12	592*287*292	1700	100	6.49	2.77	F7	ePM1 60%	4
Vbank-M-07	24*20*12	592*490*292	2600	100	11.82	2.48	F7	ePM1 60%	4
Vbank-M-08	24*24*12	592*592*292	3200	100	14.55	2.52	F7	ePM1 60%	4
Vbank-M-09	24*12*12	592*287*292	1700	120	6.49	2.77	F8	ePM1 70%	4
Vbank-M-10	24*20*12	592*490*292	2600	120	11.82	2.48	F8	ePM1 70%	4
Vbank-M-11	24*24*12	592*592*292	3200	120	14.55	2.52	F8	ePM1 70%	4
Vbank-M-12	24*12*12	592*287*292	1700	150	6.49	2.77	F9	ePM1 80%	4
Vbank-M-13	24*20*12	592*490*292	2600	150	11.82	2.48	F9	ePM1 80%	4
Vbank-M-14	24*24*12	592*592*292	3200	150	14.55	2.52	F9	ePM1 80%	4
Vbank-MHC-01	12*12*12	287*287*292	1000	80	4.33	3.37	M6	ePM10 70%	2
Vbank-MHC-02	12*24*12	287*592*292	2200	80	9.7	3.58	M6	ePM10 70%	2
Vbank-MHC-03	24*12*12	592*287*292	2000	80	8.65	3.26	M6	ePM10 70%	4
Vbank-MHC-04	24*20*12	592*490*292	3600	80	15.76	3.44	M6	ePM10 70%	4
Vbank-MHC-05	24*24*12	592*592*292	4500	80	19.4	3.54	M6	ePM10 70%	4
Vbank-MHC-06	24*12*12	592*287*292	2000	100	8.65	3.26	F7	ePM1 60%	4
Vbank-MHC-07	24*20*12	592*490*292	3600	100	15.76	3.44	F7	ePM1 60%	4
Vbank-MHC-08	24*24*12	592*592*292	4500	100	19.4	3.54	F7	ePM1 60%	4
Vbank-MHC-09	24*12*12	592*287*292	2000	120	8.65	3.26	F8	ePM1 70%	4
Vbank-MHC-10	24*20*12	592*490*292	3600	120	15.76	3.44	F8	ePM1 70%	4
Vbank-MHC-11	24*24*12	592*592*292	4500	120	19.4	3.54	F8	ePM1 70%	4
Vbank-MHC-12	24*24*16	592*592*440	6800	120	26.94	5.35	F8	ePM1 70%	4
Vbank-MHC-13	24*12*12	592*287*292	2000	150	8.65	3.26	F9	ePM1 80%	4
Vbank-MHC-14	24*20*12	592*490*292	3600	150	15.76	3.44	F9	ePM1 80%	4
Vbank-MHC-15	24*24*12	592*592*292	4500	150	19.4	3.54	F9	ePM1 80%	4
Vbank-MHC-16	24*24*16	592*592*440	6800	150	26.94	5.35	F9	ePM1 80%	4

\*customized parameters available

# Cylinder filter

Adaptive Efficiency: F8, F9

## Product Features

- ◎ Large filtration area and dust capacity, small occupation area
- ◎ All air inlet and outlet at 360 degrees, forming a better uniform filtration and more stable filtration efficiency
- ◎ Installed with faceguard at two sides for solid structure, effectively prevent media pack from damage
- ◎ Uniform pleat distance to prevent bunch up and thus extend the filter's lifespan

## Application

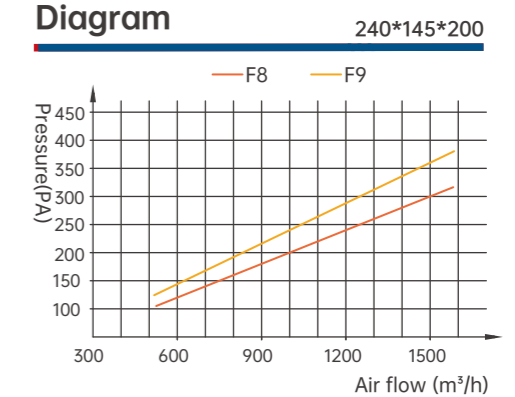
Mainly used in gas turbine, air compressor, blower and other aerodynamic equipment.



## Material and Operation Conditions

Media	PET+PP / Laminated PET+PTF / Micro glass fiber
Frame	Galvanized steel / Powder coated galvanized steel
Sealant	PU polyurethane
Gasket	EVA / EPDM
Separator	Hot melt bead
Max. Temperature	70°C
Max. Humidity	100% (glass fiber)

## Air Flow & Resistance Diagram



## Technology Parameters

Model	Size (inch) (WxHxD)	Size (mm) (ODxDxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Cylinder-M-01	4.9*2.76*7.87	125*70*200	120	100	0.87	0.42	F8	ePM1 70%
Cylinder-M-02	6*3.35*7.87	153*85*200	200	100	1.37	0.58	F8	ePM1 70%
Cylinder-M-03	8.27*5.12*7.87	210*130*200	350	100	2.35	0.74	F8	ePM1 70%
Cylinder-M-04	9.45*5.7*7.87	240*145*200	500	100	3.24	0.92	F8	ePM1 70%
Cylinder-M-05	13.78*9.45*15.75	350*240*400	1700	100	11.67	1.07	F8	ePM1 70%
Cylinder-M-06	4.9*2.76*7.87	125*70*200	120	120	0.87	0.42	F9	ePM1 80%
Cylinder-M-07	6*3.35*7.87	153*85*200	200	120	1.37	0.58	F9	ePM1 80%
Cylinder-M-08	8.27*5.12*7.87	210*130*200	350	120	2.35	0.74	F9	ePM1 80%
Cylinder-M-09	9.45*5.7*7.87	240*145*200	500	120	3.24	0.92	F9	ePM1 80%
Cylinder-M-10	13.78*9.45*15.75	350*240*400	1700	120	11.67	1.07	F9	ePM1 80%

\*customized parameters available

# Pleated Medium Filter

Adaptive Efficiency: M5, M6, F7, F8, F9

## Product Features

- Surface mesh used by rust treatment process, good appearance and durable
- Save space
- 100% Factory inspection
- Washable (Limited)
- Not easily deformation
- Large media area
- Large dust holding capacity
- Long life-span

## Application

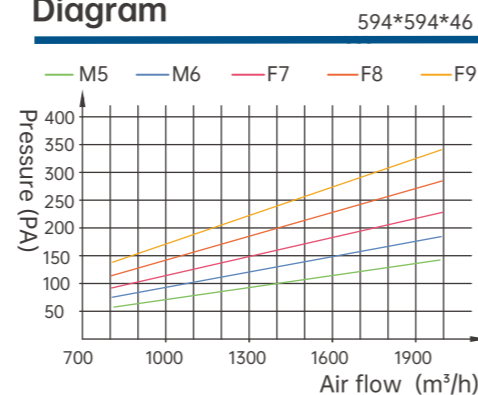
Electronic, pharmaceutical, mechanical instruments, metallurgy, petroleum, chemical, light industry, food and other areas of the general air purification.



## Material and Operation Conditions

Media	Synthetic fiber or non-woven fabrics
Sealant	White latex or universal glue
Frame	Extruded aluminum/ Galvanized steel/ Aluminum sheet/ Cardboard/ Stainless steel
Optional aluminum frame thickness(mm)	21 25 46 50 69 80 90 96
Max. Temperature	50°C
Max. Humidity	Cardboard frame: 70% Other frame material: 100%

## Air Flow & Resistance Diagram



## Technology Parameters

\*customized parameters available

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Mpleat-01	24*12*2	594*287*46	250	50	0.39	0.41	M5	ePM10 55%
Mpleat-02	24*24*2	594*594*46	550	50	0.8	0.43	M5	ePM10 55%
Mpleat-03	24*24*4	594*594*96	750	50	1.17	0.59	M5	ePM10 55%
Mpleat-04	24*12*2	594*287*46	250	65	0.39	0.41	M6	ePM10 60%
Mpleat-05	24*24*2	594*594*46	550	65	0.8	0.43	M6	ePM10 60%
Mpleat-06	24*24*4	594*594*96	750	65	1.17	0.59	M6	ePM10 60%
Mpleat-07	24*12*2	594*287*46	250	80	0.39	0.41	F7	ePM10 70%
Mpleat-08	24*24*2	594*594*46	550	80	0.8	0.43	F7	ePM10 70%
Mpleat-09	24*24*4	594*594*96	750	80	1.17	0.59	F7	ePM10 70%
Mpleat-10	24*12*2	594*287*46	250	100	0.39	0.41	F8	ePM10 80%
Mpleat-11	24*24*2	594*594*46	550	100	0.8	0.43	F8	ePM10 80%
Mpleat-12	24*24*4	594*594*96	750	100	1.17	0.59	F8	ePM10 80%
Mpleat-13	24*12*2	594*287*46	250	120	0.39	0.41	F9	ePM10 85%
Mpleat-14	24*24*2	594*594*46	550	120	0.8	0.43	F9	ePM10 85%
Mpleat-15	24*24*4	594*594*96	750	120	1.17	0.59	F9	ePM10 85%

# Box Type Filter

Adaptive Efficiency: M5, M6, F7, F8, F9

## Product Features

- Box type, strong structure
- 100% factory inspection
- Simple structure, wide range of applications, and high cost performance ratio
- Large dust holding capacity
- Big air flow, high efficiency

## Application

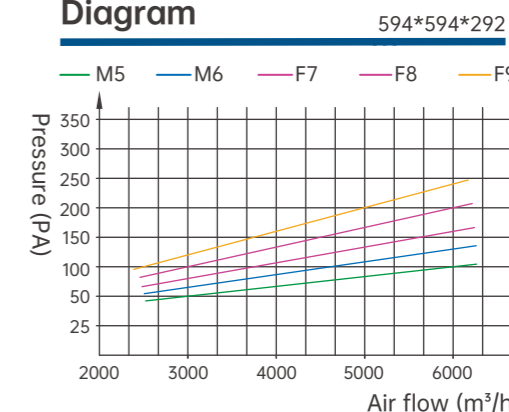
Intermediate filtration in machinery, electronics, instrumentation, precision instruments, the food industry and general air conditioning and ventilation systems, as pre-filter and exhaust filter for high efficiency filters.



## Material and Operation Conditions

Media	Synthetic fiber / non-woven fabrics
Frame	Extruded aluminum / Galvanized steel / Aluminum sheet / Stainless steel
Optional aluminum frame thickness(mm)	96 120 150 220 292 305
Max. Temperature	50°C
Max. Humidity	100%

## Air Flow & Resistance Diagram



## Technology Parameters

\*customized parameters available

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN779)	Filter grade (ISO16890)
Box-M-01	24*12*6	594*287*150	700	50	1.12	1.14	M5	ePM10 55%
Box-M-02	24*24*6	594*594*150	1500	50	2.32	1.18	M5	ePM10 55%
Box-M-03	24*24*24	594*594*292	3000	50	4.51	2.36	M5	ePM10 55%
Box-M-04	24*12*6	594*287*150	700	65	1.12	1.14	M6	ePM10 60%
Box-M-05	24*24*6	594*594*150	1500	65	2.32	1.18	M6	ePM10 60%
Box-M-06	24*24*24	594*594*292	3000	65	4.51	2.36	M6	ePM10 60%
Box-M-07	24*12*6	594*287*150	700	80	1.12	1.14	F7	ePM10 70%
Box-M-08	24*24*6	594*594*150	1500	80	2.32	1.18	F7	ePM10 70%
Box-M-09	24*24*24	594*594*292	3000	80	4.51	2.36	F7	ePM10 70%
Box-M-10	24*12*6	594*287*150	700	100	1.12	1.14	F8	ePM10 80%
Box-M-11	24*24*6	594*594*150	1500	100	2.32	1.18	F8	ePM10 80%
Box-M-12	24*24*24	594*594*292	3000	100	4.51	2.36	F8	ePM10 80%
Box-M-13	24*12*6	594*287*150	700	120	1.12	1.14	F9	ePM10 85%
Box-M-14	24*24*6	594*594*150	1500	120	2.32	1.18	F9	ePM10 85%
Box-M-15	24*24*24	594*594*292	3000	120	4.51	2.36	F9	ePM10 85%



# HEPA FILTER SERIES

HEPA filters are air filters that capture dust particles and various suspended solids with a particle size of 0.3 ~ 1 μm, efficiency reaching 99.99% for 0.3μm particles, widely used as the terminal filter of various air filtration systems. The HEPA filter is a key component to the air cleanliness control for clean rooms, operating rooms and other places that have strict requirements.

FUJI HEPA air filter series divided into four types: Mini-pleat filter, Separator filter, V-bank filter, Hooded terminal filter.

## 1. Mini-pleat Filter



Mini-pleat Filter



PTFE Mini-pleat Filter



Gel-type Mini-pleat Filter



Knife-edge Mini-pleat Filter

## 2. Separator Filter



Separator Filter



High Temperature Separator Filter



High Capacity Separator Filter



V-bank Filter in Metal Frame

## 4. Filter with Hood



Disposable Hooded Terminal Filter



DOP Hooded Terminal Filter

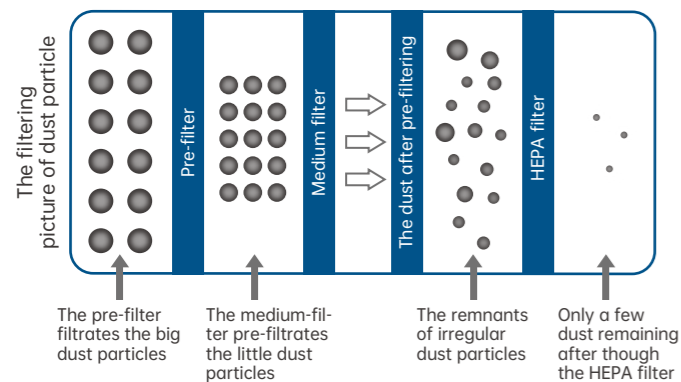


Replaceable Hooded Terminal Filter

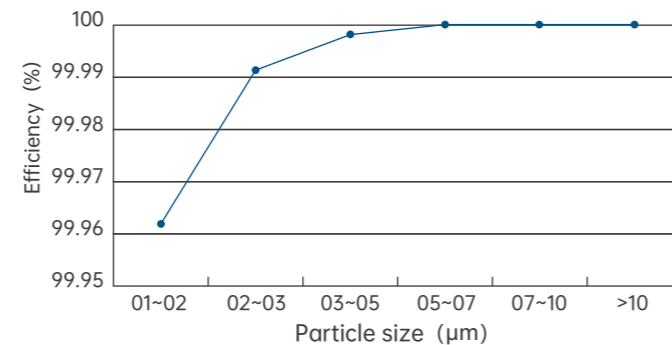


DOP Replaceable Hooded Terminal Filter

## The operating principle of HEPA filter



## The Efficiency Curve of FUJI HEPA filter



# Mini-pleat Filter

Adaptive Efficiency: E10, E11, E12, H13, H14, U15, U16, U17

## Product Features

- Low resistance
- Low operation cost
- Light weight, convenient installation and replacement
- Long life-span
- 100% factory inspection
- Good sealing
- High efficiency

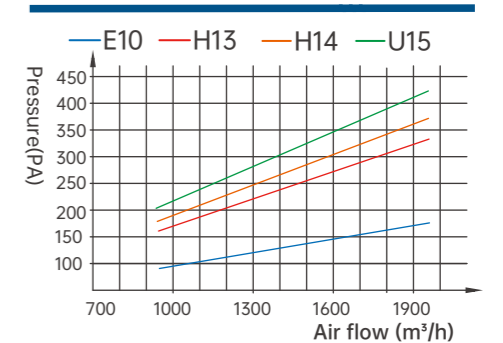
## Application

HEPA filter: It widely used to the terminal filtration of the clean room.  
 ULPA filter: Work zone where require demanding clean class, like hospital operation room, laboratory, pharmaceutical room, electronics, optical fiber equipment and food processing factory etc.

## Material and Operation Conditions

Media	Micro glass fiber
Frame	Extruded aluminum/ Folding aluminum/ Galvanized steel/ Stainless steel/ MDF
Sealant	Two-component polyurethane glue
Gasket	PU endless gasket /EVA/ EPDM
Separator	Hot melt bead
Optional aluminum frame thickness (mm)	38 46 50 69 75 78 80 90 96 100 110 120 150(Customized design is available)
Max. Temperature	70°C
Max. Humidity	100%

## Air Flow & Resistance Diagram



## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)
Minipak-H-01	24*12*3	610*305*69	750	190	5.33	1.12	H13
Minipak-H-02	24*24*3	610*610*69	1500	190	10.66	1.12	H13
Minipak-H-03	36*24*3	915*610*69	2300	190	16	1.14	H13
Minipak-H-04	48*24*3	1220*610*69	3100	190	21.33	1.16	H13
Minipak-H-05	24*24*4	610*610*96	1700	190	10.66	1.27	H13
Minipak-H-06	36*24*4	915*610*96	2560	190	16	1.27	H13
Minipak-H-07	48*24*4	1220*610*96	6820	190	21.33	2.55	H13
Minipak-H-08	48*48*4	1220*1220*96	6000	190	42.66	1.12	H13
Minipak-H-09	24*12*3	610*305*69	750	250	5.33	1.12	H14
Minipak-H-10	24*24*3	610*610*69	1500	250	10.66	1.12	H14
Minipak-H-11	36*24*3	915*610*69	2300	250	16	1.14	H14
Minipak-H-12	48*24*3	1220*610*69	3100	250	21.33	1.16	H14
Minipak-H-13	24*24*4	610*610*96	1700	250	10.66	1.27	H14
Minipak-H-14	36*24*4	915*610*96	2560	250	16	1.27	H14
Minipak-H-15	48*48*4	1220*1220*96	6820	250	42.66	1.27	H14
Minipak-H-16	24*12*3	610*305*69	300	130	5.33	0.45	U15
Minipak-H-17	24*24*3	610*610*69	600	130	10.66	0.45	U15
Minipak-H-18	36*24*3	915*610*69	900	130	16	0.45	U15

\*customized parameters available

# Gel-type Mini-pleat Filter

Adaptive Efficiency: E10, E11, E12, H13, H14, U15, U16, U17

## Product Features

- Good appearance, space saving
- Light weight, convenient installation and replacement
- Injects permanent blue gel, environment friendly and reliable sealant efficiency
- Best partner for knife-edge frame
- Low operation cost
- Long life-span
- Excellent sealing

## Application

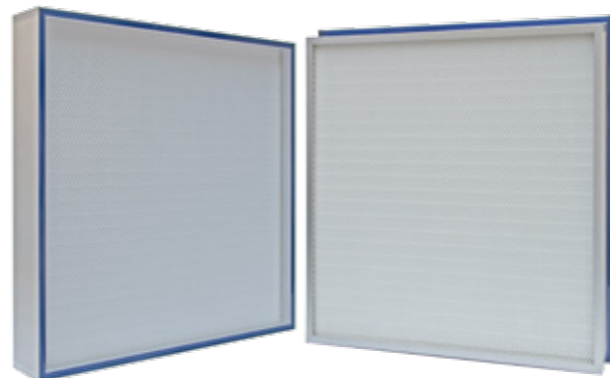
Widely used as the terminal filtration of clean room. Or as the filtration unit in the GMP standard cleanroom equipment.

## Material and Operation Conditions

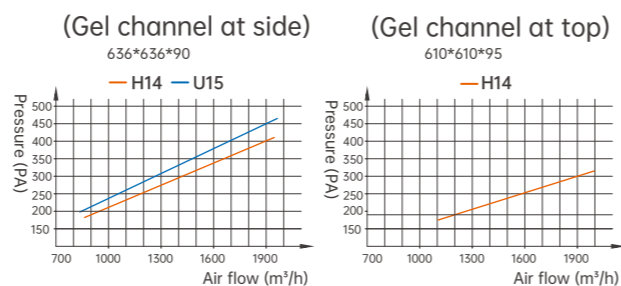
Media	Micro glass fiber
Frame	Extruded aluminum
Frame gasket	Two-component polyurethane glue
Slot gasket	Imported gel sealant glue
Separator	Hot melt bead
Optional aluminum frame thickness (mm)	Top: 81 95 Side: 69 75 90 93 104 117
Max. Temperature	70°C
Max. Humidity	100%

## Technology Parameters

Model	Size (inch) (WxHxD)	Size (mm) (WxHxD)	Air flow (m <sup>3</sup> /h)	Initial pressure (≤Pa)	Media area (m <sup>2</sup> )	Velocity (m/s)	Filter grade (EN1822)	Gel channel position
Gelpak-H-01	24*12*2.7	610*305*69	400	190	4.31	0.68	H14	Side
Gelpak-H-02	24*24*2.7	610*610*69	900	190	9.02	0.73	H14	Side
Gelpak-H-03	36*24*2.7	915*610*69	1400	190	13.74	0.75	H14	Side
Gelpak-H-04	48*24*2.7	1220*610*69	1800	190	18.45	0.72	H14	Side
Gelpak-H-05	48*48*2.7	1220*1220*69	3650	190	37.72	0.71	H14	Side
Gelpak-H-06	24*12*3.5	610*305*90	600	190	6.2	1.02	H14	Side
Gelpak-H-07	24*24*3.5	610*610*90	1250	190	12.97	1.02	H14	Side
Gelpak-H-08	36*24*3.5	915*610*90	1900	190	19.75	1.02	H14	Side
Gelpak-H-09	48*24*3.5	1220*610*90	2550	190	26.52	1.02	H14	Side
Gelpak-H-10	48*48*3.5	1220*1220*90	5250	190	54.22	1.02	H14	Side
Gelpak-H-11	24*12*3.7	610*305*95	600	190	6.05	0.90	H14	Top
Gelpak-H-12	24*24*3.7	610*610*95	1200	190	12.1	0.90	H14	Top
Gelpak-H-13	36*24*3.7	915*610*95	1750	190	18.15	0.87	H14	Top
Gelpak-H-14	48*24*3.7	1220*610*95	2350	190	24.2	0.88	H14	Top
Gelpak-H-15	48*48*3.7	1220*1220*95	4700	190	48.4	0.88	H14	Top
Gelpak-H-16	24*12*2.7	610*305*69	250	130	4.31	0.43	U15	Side
Gelpak-H-17	24*24*2.7	610*610*69	550	130	9.02	0.45	U15	Side
Gelpak-H-18	36*24*2.7	915*610*69	850	130	13.74	0.45	U15	Side
Gelpak-H-19	48*24*2.7	1220*610*69	1150	130	18.45	0.46	U15	Side
Gelpak-H-20	48*48*2.7	1220*1220*69	2300	130	37.72	0.45	U15	Side



## Air Flow & Resistance Diagram



# PTFE Mini-pleat Filter

Adaptive Efficiency: E10, E11, E12, H13, H14, U15, U16, U17

## Product Features

- High efficiency, low resistance
- Extreme low chemical gas diffusion
- Highly resist to chemical corrosion such as acid and alkali
- Strong durability and strong fracture resistance
- Strong deformation resistance
- Low operating cost
- 100% factory inspection

## Application

Microelectronics industry (chip factory in semiconductor factories), optoelectronic industry, manufacturing industry with high cleanliness and low resistance requirements.

## Material and Operation Conditions

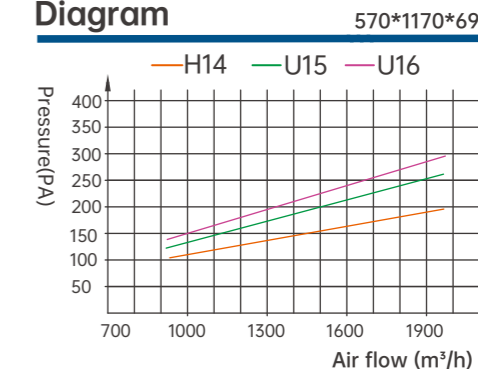
Media	PTFE (polytetrafluoroethylene) filter paper
Frame	Extruded aluminum/Folding aluminum /Galvanized steel/stainless steel
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket/EVA/EPDM
Separator	Hot melt bead
Optional aluminum frame thickness (mm)	38 46 50 66 69 75 78 80 90 96 100
Max. Temperature	70°C
Max. Humidity	100%

## Technology Parameters

Model	Size (inch) (WxHxD)	Size (mm) (WxHxD)	Air flow (m <sup>3</sup> /h)	Initial pressure (≤Pa)	Media area (m <sup>2</sup> )	Velocity (m/s)	Filter grade (EN1822)
Minipak-PTFE-01	24*12*3	610*305*69	500	110	4.92	0.75	H14
Minipak-PTFE-02	24*24*3	610*610*69	1000	110	9.84	0.75	H14
Minipak-PTFE-03	36*24*3	915*610*69	1500	110	14.77	0.75	H14
Minipak-PTFE-04	48*24*3	1220*610*69	2000	110	19.69	0.75	H14
Minipak-PTFE-05	48*48*3	1220*1220*69	4000	110	39.38	0.75	H14
Minipak-PTFE-06	24*12*4	610*305*96	750	120	7.69	1.12	H14
Minipak-PTFE-07	24*24*4	610*610*96	1500	120	15.38	1.12	H14
Minipak-PTFE-08	36*24*4	915*610*96	2250	120	23.07	1.12	H14
Minipak-PTFE-09	48*24*4	1220*610*96	3000	120	30.76	1.12	H14
Minipak-PTFE-10	48*48*4	1220*1220*96	6000	120	61.53	1.12	H14
Minipak-PTFE-11	24*12*3	610*305*69	300	80	4.92	0.45	U15
Minipak-PTFE-12	24*24*3	610*610*69	600	80	9.84	0.45	U15
Minipak-PTFE-13	36*24*3	915*610*69	900	80	14.77	0.45	U15
Minipak-PTFE-14	48*24*3	1220*610*69	1200	80	19.69	0.45	U15
Minipak-PTFE-15	24*12*4	610*305*96	500	90	7.69	0.75	U15
Minipak-PTFE-16	24*24*4	610*610*96	1000	90	15.38	0.75	U15
Minipak-PTFE-17	36*24*4	915*610*96	1500	90	23.07	0.75	U15
Minipak-PTFE-18	24*12*3	610*305*69	300	90	4.92	0.45	U16
Minipak-PTFE-19	24*24*3	610*610*69	600	90	9.84	0.45	U16
Minipak-PTFE-20	36*24*3	915*610*69	900	90	14.77	0.45	U16



## Air Flow & Resistance Diagram



# Knife-edge Mini-pleat Filter

Adaptive Efficiency: E10, E11, E12, H13, H14

## Product Features

- Low resistance
- Two sides with epoxy faceguard to protect the filter media
- Glass fiber media, hot melt bead separator
- Air outlet with 20mm knife edge
- High dust holding capacity
- Special sealant to ensure the sealing
- 100% factory inspection

## Application

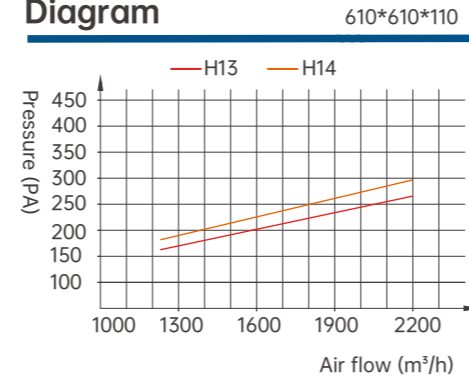
Pharmaceutical factory, biological factory, food processing factory or other places require strict air quality control.



## Material and Operation Conditions

Media	Micro glass fiber
Frame	Extruded aluminum
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket / EVA / EPDM
Separator	Hot melt bead
Optional aluminum frame thickness (mm)	83 110
Max. Temperature	70°C
Max. Humidity	100%

## Air Flow & Resistance Diagram



## Technology Parameters

\*customized parameters available

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)
Kpak-H-01	12*12*4.3	305*305*110	350	170	3.54	1.05	H13
Kpak-H-02	19*19*4.3	484*484*110	850	170	8.91	1.01	H13
Kpak-H-03	22.4*22.4*4.3	570*570*110	1200	170	12.36	1.03	H13
Kpak-H-04	24*12*4.3	610*305*110	700	170	7.08	1.05	H13
Kpak-H-05	24*24*4.3	610*610*110	1400	170	14.15	1.05	H13
Kpak-H-06	36*24*4.3	915*610*110	2000	170	21.23	1.00	H13
Kpak-H-07	46*22.4*4.3	1170*570*110	2500	170	25.36	1.04	H13
Kpak-H-08	48*24*4.3	1220*610*110	2750	170	28.3	1.03	H13
Kpak-H-09	46*46*4.3	1170*1170*110	5000	170	52.06	1.01	H13
Kpak-H-10	48*48*4.3	1220*1220*110	5500	170	56.61	1.03	H13
Kpak-H-11	12*12*4.3	305*305*110	350	170	3.54	1.05	H14
Kpak-H-12	19*19*4.3	484*484*110	850	170	8.91	1.01	H14
Kpak-H-13	22.4*22.4*4.3	570*570*110	1200	170	12.36	1.03	H14
Kpak-H-14	24*12*4.3	610*305*110	700	170	7.08	1.05	H14
Kpak-H-15	24*24*4.3	610*610*110	1400	170	14.15	1.05	H14
Kpak-H-16	36*24*4.3	915*610*110	2000	170	21.23	1.00	H14
Kpak-H-17	46*22.4*4.3	1170*570*110	2500	170	25.36	1.04	H14
Kpak-H-18	48*24*4.3	1220*610*110	2750	170	28.3	1.03	H14
Kpak-H-19	46*46*4.3	1170*1170*110	5000	170	52.06	1.01	H14
Kpak-H-20	48*48*4.3	1220*1220*110	5500	170	56.61	1.03	H14

# High Temperature Separator Filter

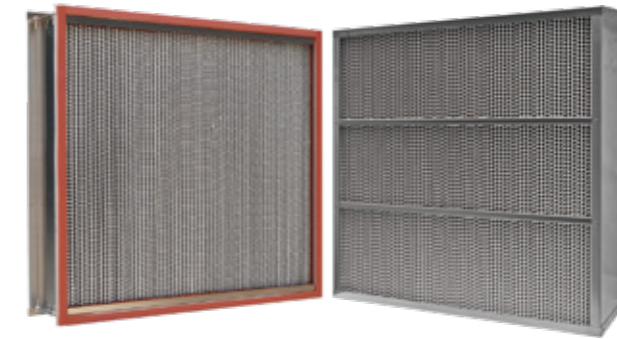
Adaptive Efficiency: E10, E11, E12, H13, H14

## Product Features

- It can be used at stated high temperature for long time
- Big media area and high efficiency
- Large air flow and low resistance
- Wedge shaped pleat design to prevent the filter media from damage
- 100% factory inspection

## Application

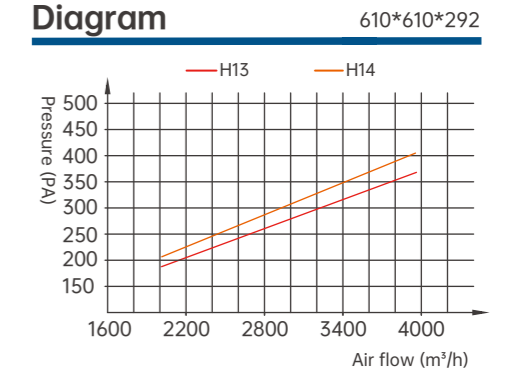
Places with high requirement of cleanliness, such as nuclear power plant, spray paint booth, etc. Air conditioning and ventilation system (terminal filtration and hot wind type high temperature oven).



## Material and Operation Conditions

Media	Micro glass fiber
Frame	Aluminum/ SUS201/ SUS304 (300°C) SUS201/ SUS304 (400°C)
Sealant	Red silicone(300°C) Ceramic adhesive(400°C)
Gasket	Silicon gel gasket (300°C) Glass fiber rope (400°C)
Separator	Aluminum foil
Optional frame thickness(mm)	80 96 120 150 220 292 305
Max. Temperature	300°C/400°C
Max. Humidity	100%

## Air Flow & Resistance Diagram



## Technology Parameters

\*customized parameters available

Model	Size(inch) (WxHxD)	Size(mm) (HxWxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)	Max. Temperature (°C)
HTSepa-H-01	12*24*6	305*610*150	500	240	3.13	0.75	H13	300
HTSepa-H-02	24*12*6	610*305*150	500	240	3.09	0.75	H13	300
HTSepa-H-03	24*24*6	610*610*150	1000	240	6.69	0.75	H13	300
HTSepa-H-04	12*24*12	305*610*292	1050	240	6.88	1.57	H13	300
HTSepa-H-05	24*12*12	610*305*292	1000	240	6.78	1.49	H13	300
HTSepa-H-06	24*24*12	610*610*292	2000	240	14.68	1.49	H13	300
HTSepa-H-07	12*24*6	305*610*150	500	260	3.13	0.75	H14	400
HTSepa-H-08	24*12*6	610*305*150	500	260	3.09	0.75	H14	400
HTSepa-H-09	24*24*6	610*610*150	1000	260	6.69	0.75	H14	400
HTSepa-H-10	12*24*12	305*610*292	1050	260	6.88	1.57	H14	400
HTSepa-H-11	24*12*12	610*305*292	1000	260	6.78	1.49	H14	400
HTSepa-H-12	24*24*12	610*610*292	2000	260	14.68	1.49	H14	400
HTSepa-HHC-01	12*24*6	305*610*150	900	240	5.85	1.34	H13	300
HTSepa-HHC-02	24*12*6	610*305*150	850	240	5.77	1.27	H13	300
HTSepa-HHC-03	24*24*6	610*610*150	1700	240	12.34	1.27	H13	300
HTSepa-HHC-04	12*24*12	305*610*292	1750	240	12.16	2.61	H13	300
HTSepa-HHC-05	24*12*12	610*305*292	1700	240	11.99	2.54	H13	300
HTSepa-HHC-06	24*24*12	610*610*292	3400	240	25.64	2.54	H13	300
HTSepa-HHC-07	12*24*6	305*610*150	900	260	5.85	1.34	H14	400
HTSepa-HHC-08	24*12*6	610*305*150	850	260	5.77	1.27	H14	400
HTSepa-HHC-09	24*24*6	610*610*150	1700	260	12.34	1.27	H14	400
HTSepa-HHC-10	12*24*12	305*610*292	1750	260	12.16	2.61	H14	400
HTSepa-HHC-11	24*12*12	610*305*292	1700	260	11.99	2.54	H14	400
HTSepa-HHC-12	24*24*12	610*610*292	3400	260	25.64	2.54	H14	400

# Separator Filter

Adaptive Efficiency: E10, E11, E12, H13, H14

## Product Features

- Endless gasket to provide excellent air tightness
- 100% factory inspection
- Wedge shaped pleat design to prevent the filter media from damage
- Big filtration area, big air flow, high efficiency
- 100% humidity resistance
- Even wind speed, big dust holding capacity
- High versatility

## Application

Terminal filtration of purifying air conditioning system and local purification equipment, available to environment with changing air flow.



## Material and Operation Conditions

Media	Micro glass fiber
Frame	Extruded aluminum/ Folding aluminum / Galvanized steel/Stainless steel/ MDF
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket / EVA / EPDM
Separator	Offset paper / Aluminum foil
Optional frame thickness(mm)	80 96 120 150 220 292 305
Max. Temperature	Offset paper:50°C Aluminum foil:100°C
Max. Humidity	100%

## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)
Sepa-H-01	12*24*6	305*610*150	500	100	4.41	0.75	H10
Sepa-H-02	24*24*6	610*610*150	1000	100	9.3	0.75	H10
Sepa-H-03	12*24*12	305*610*292	1000	100	9.67	1.49	H10
Sepa-H-04	24*24*12	610*610*292	2150	100	20.41	1.61	H10
Sepa-H-05	36*24*12	915*610*292	3200	100	30.61	1.59	H10
Sepa-H-06	48*24*12	1220*610*292	4250	100	40.81	1.59	H10
Sepa-H-07	24*12*6	610*305*150	500	200	4.41	0.75	H13
Sepa-H-08	24*24*6	610*610*150	1000	200	9.3	0.75	H13
Sepa-H-09	36*24*6	915*610*150	1500	200	13.95	0.75	H13
Sepa-H-10	12*24*12	305*610*292	1000	200	9.67	1.49	H13
Sepa-H-11	24*24*12	610*610*292	2150	200	20.41	1.61	H13
Sepa-H-12	36*24*12	915*610*292	3200	200	30.61	1.59	H13
Sepa-H-13	48*24*12	1220*610*292	4250	200	40.81	1.59	H13
Sepa-H-14	12*24*6	305*610*150	500	220	4.41	0.75	H14
Sepa-H-15	24*24*6	610*610*150	1000	220	9.3	0.75	H14
Sepa-H-16	36*24*6	915*610*150	1500	220	13.95	0.75	H14
Sepa-H-17	12*24*12	305*610*292	1000	220	9.67	1.49	H14
Sepa-H-18	24*24*12	610*610*292	2150	220	20.41	1.61	H14
Sepa-H-19	36*24*12	915*610*292	3200	220	30.61	1.59	H14
Sepa-H-20	48*24*12	1220*610*292	4250	220	40.81	1.59	H14

# High Capacity Separator Filter

Adaptive Efficiency: E10, E11, E12, H13, H14

## Product Features

- Low resistance
- 100% factory inspection
- Super high efficiency
- Small pleat distance, fulfill big air flow demand

## Application

Hospital operating room, laboratories, pharmaceuticals, microelectronics, fiber optic equipment, food processing and other occasions require high clean class environment.

## Material and Operation Conditions

Media	Micro glass fiber
Frame	Extruded aluminum/ Folding aluminum/ Galvanized steel/ Stainless steel/ MDF
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket / EVA / EPDM
Separator	Offset paper / Aluminum foil
Optional frame thickness(mm)	80 96 120 150 220 292 305
Max. Temperature	Offset paper:50°C Aluminum foil:100°C
Max. Humidity	100%

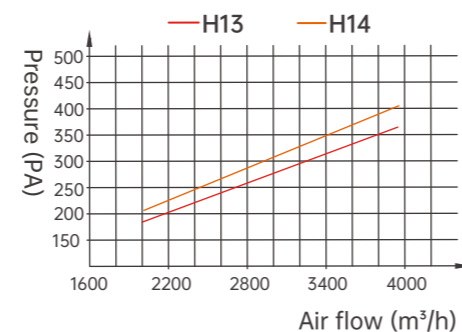
## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)
Sepa-HHC-01	12*24*6	305*610*150	825	120	6.66	1.23	H10
Sepa-HHC-02	24*24*6	610*610*150	1650	120	13.33	1.23	H10
Sepa-HHC-03	12*24*12	305*610*292	1700	120	14.62	2.54	H10
Sepa-HHC-04	24*24*12	610*610*292	3400	120	29.25	2.54	H10
Sepa-HHC-05	36*24*12	915*610*292	5100	120	43.87	2.54	H10
Sepa-HHC-06	48*24*12	1220*610*292	6800	120	58.49	2.54	H10
Sepa-HHC-07	12*24*6	305*610*150	750	230	6.32	1.12	H13
Sepa-HHC-08	24*24*6	610*610*150	1500	230	13.33	1.12	H13
Sepa-HHC-09	36*24*6	915*610*150	2300	230	19.99	1.14	H13
Sepa-HHC-10	12*24*12	305*610*292	1600	230	14.62	2.39	H13
Sepa-HHC-11	24*24*12	610*610*292	3400	230	29.25	2.54	H13
Sepa-HHC-12	36*24*12	915*610*292	5100	230	43.87	2.54	H13
Sepa-HHC-13	48*24*12	1220*610*292	6800	230	58.49	2.54	H13
Sepa-HHC-14	12*24*6	305*610*150	825	260	6.66	1.23	H14
Sepa-HHC-15	24*24*6	610*610*150	1650	260	13.33	1.23	H14
Sepa-HHC-16	36*24*6	915*610*150	2500	260	19.99	1.24	H14
Sepa-HHC-17	48*24*6	1220*610*150	3330	260	26.65	1.24	H14
Sepa-HHC-18	12*24*12	305*610*292	1700	260	14.62	2.54	H14
Sepa-HHC-19	24*24*12	610*610*292	3400	260	29.25	2.54	H14
Sepa-HHC-20	36*24*12	915*610*292	5100	260	43.87	2.54	H14
Sepa-HHC-21	48*24*12	1220*610*292	6800	260	58.49	2.54	H14

## Air Flow & Resistance Diagram

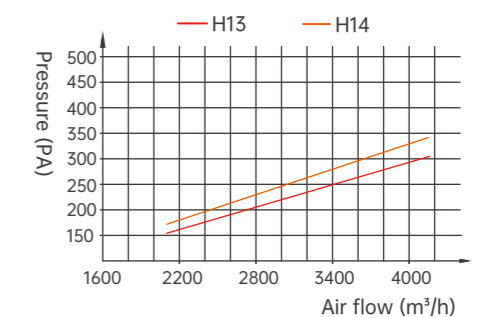
610\*610\*292

(Gel slot at side)



## Air Flow & Resistance Diagram

610\*610\*292



# V-bank Filter

Adaptive Efficiency: E10, E11, E12, H13, H14

## Product Features

- 100% tested before delivery
- Good sealing
- Able to sustain big air volume
- Big filtration area, air flow, high efficiency
- Special V type structure, reduce structural resistance
- Available with installation flange, more convenience to install

## Application

Aviation, electronic, semiconductor, wafer, biological pharmaceutical, hospital, food processing, etc.

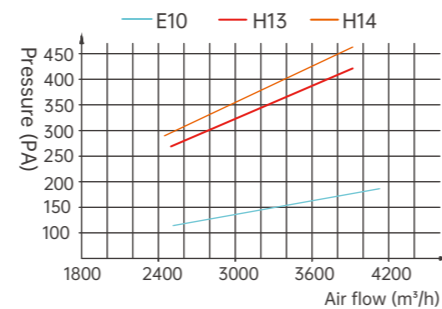
## Material and Operation Conditions

Media	Micro glass fiber/Activated carbon granule
Frame	Aluminum/Galvanized/Stainless steel
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket / EVA / EPDM
Separator	Hot melt bead
Optional aluminum frame thickness (mm)	220 250 292 305
Max. Temperature	70°C
Max. Humidity	100%



## Air Flow & Resistance Diagram

594\*594\*292-5V



## Technology Parameters

\*customized parameters available

Model	Size(inch) (WxHxD)	Size(mm) (HxWxD)	Air flow (m³/h)	Initial Pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (ISO1822)	Pack no.
Vbank-H-01	24*12*12	610*305*292	850	125	11.35	1.27	H10	4
Vbank-H-02	24*12*12	610*305*292	1400	125	14.19	2.09	H10	5
Vbank-H-03	24*24*12	610*610*292	2500	125	22.7	1.87	H10	4
Vbank-H-04	24*24*12	610*610*292	3000	125	28.37	2.24	H10	5
Vbank-H-05	12*12*12	305*305*292	850	270	7.83	2.54	H13	3
Vbank-H-06	24*12*12	610*305*292	1200	270	11.35	1.79	H13	4
Vbank-H-07	24*12*12	610*305*292	1400	270	14.19	2.09	H13	5
Vbank-H-08	24*24*12	610*610*292	2500	270	22.7	1.87	H13	4
Vbank-H-09	24*24*12	610*610*292	3000	270	28.37	2.24	H13	5
Vbank-H-10	12*12*12	305*305*292	850	300	7.83	2.54	H14	3
Vbank-H-11	24*12*12	610*305*292	1200	300	11.35	1.79	H14	4
Vbank-H-12	24*12*12	610*305*292	1400	300	14.19	2.09	H14	5
Vbank-H-13	24*24*12	610*610*292	2500	300	22.7	1.87	H14	4
Vbank-H-14	24*24*12	610*610*292	3000	300	28.37	2.24	H14	5
Vbank-HHC-01	24*12*12	610*305*292	1700	125	17.02	2.54	H10	6
Vbank-HHC-02	24*24*12	610*610*292	3400	125	31.33	2.54	H10	6
Vbank-HHC-03	24*12*12	610*305*292	1700	270	17.02	2.54	H13	6
Vbank-HHC-04	24*24*12	610*610*292	3400	270	31.33	2.54	H13	6
Vbank-HHC-05	24*12*12	610*305*292	1700	300	17.02	2.54	H14	6
Vbank-HHC-06	24*24*12	610*610*292	3400	300	31.33	2.54	H14	6

# DOP Replaceable Hooded Terminal Filter

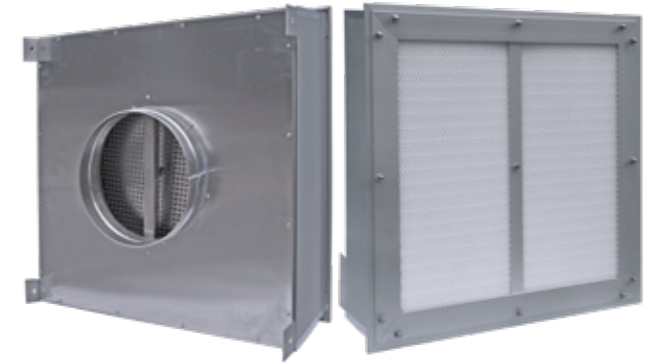
Adaptive Efficiency: E10, E11, E12, H13, H14, U15, U16

## Product Features

- Gel-glue sealing, high efficiency and dependability
- Light weight and thin
- Double turn frame, threaded fastening connection, easy to install and replace
- 100% factory inspection
- Independent research and development, patented products

## Application

It is widely used in hospital operating room, laboratory, pharmaceutical room and other biological medical industry and microelectronics, film and fiber equipment and food processing plants, etc. which need a higher level of working environment.

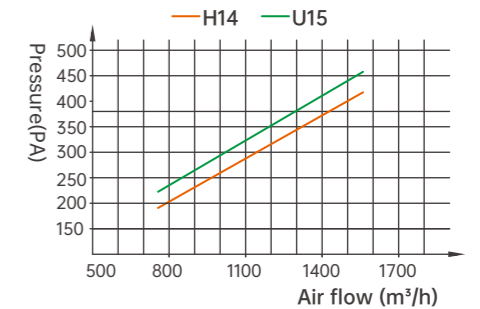


## Material and Operation Conditions

Media	Micro glass fiber
Frame	150mm extruded aluminum
Rear cover	Aluminum / Galvanized / Stainless steel
Filter Frame	69mm extruded aluminum
Sealant	Two-component polyurethane glue
Separator	Hot melt bead
Max. Temperature	70°C
Max. Humidity	100%

## Air Flow & Resistance Diagram

636\*636\*150



## Technology Parameters

\*customized parameters available

Model	Type	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)
Terminal-DOP-RE-01	12.5*12.5*5.9	320*320*150	150	190	1.45	0.41	H14
Terminal-DOP-RE-02	19*19*5.9	484*484*150	450	190	4.31	0.53	H14
Terminal-DOP-RE-03	20*20*5.9	510*510*150	450	190	4.91	0.48	H14
Terminal-DOP-RE-04	22.4*22.4*5.9	570*570*150	650	190	6.42	0.56	H14
Terminal-DOP-RE-05	24*24*5.9	610*610*150	750	190	7.55	0.56	H14
Terminal-DOP-RE-06	36*24*5.9	915*610*150	1150	190	12.01	0.57	H14
Terminal-DOP-RE-07	46*22.4*5.9	1170*570*150	1400	190	14.52	0.58	H14
Terminal-DOP-RE-08	48*24*5.9	1220*610*150	1600	190	16.47	0.60	H14
Terminal-DOP-RE-09	12.5*12.5*5.9	320*320*150	150	220	1.45	0.41	U15
Terminal-DOP-RE-10	19*19*5.9	484*484*150	450	220	4.31	0.53	U15
Terminal-DOP-RE-11	20*20*5.9	510*510*150	450	220	4.91	0.48	U15
Terminal-DOP-RE-12	22.4*22.4*5.9	570*570*150	650	220	6.42	0.56	U15
Terminal-DOP-RE-13	24*24*5.9	610*610*150	750	220	7.55	0.56	U15
Terminal-DOP-RE-14	36*24*5.9	915*610*150	1150	220	12.01	0.57	U15
Terminal-DOP-RE-15	46*22.4*5.9	1170*570*150	1400	220	14.52	0.58	U15
Terminal-DOP-RE-16	48*24*5.9	1220*610*150	1600	220	16.47	0.60	U15

# Disposable Hooded Terminal Filter

Adaptive Efficiency: E10, E11, E12, H13, H14

## Product Features

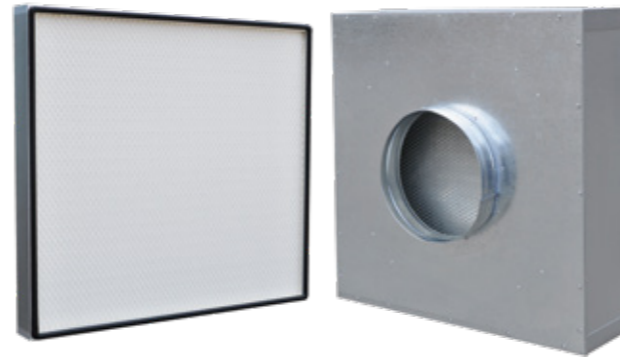
- Good ventilation performance
- Special sealing technology, superior softness, non-deformation
- Light weight, easy installation and replacement
- Integrated design, can be with insulation and lifting lugs
- 100% factory inspection

## Application

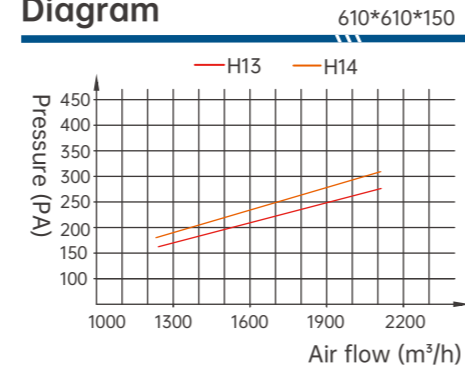
Places with high requirement of cleanliness, such as surgery, lab, pharmacy, micro-electronic, fiber optic equipment and food processing factory, etc.

## Material and Operation Conditions

Media	Micro glass fiber
Frame	Extruded aluminum / Folding aluminum / Galvanized steel
Rear cover	Folding aluminum/ Galvanized steel / Stainless steel
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket / EVA / EPDM
Separator	Hot melt bead
Optional aluminum frame thickness (mm)	120 150 220
Max. Temperature	70°C
Max. Humidity	100%



## Air Flow & Resistance Diagram



## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)
Terminal-01	24*12*4.8	610*305*120	500	170	5.33	0.75	H13
Terminal-02	24*24*4.8	610*610*120	1000	170	10.66	0.75	H13
Terminal-03	36*24*4.8	915*610*120	1550	170	16	0.77	H13
Terminal-04	48*24*4.8	1220*610*120	2100	170	21.33	0.78	H13
Terminal-05	24*24*6	610*610*150	1300	170	13.33	0.97	H13
Terminal-06	48*24*6	1220*610*150	2600	170	26.66	0.97	H13
Terminal-07	24*24*9.0	610*610*220	1600	170	16.41	1.19	H13
Terminal-08	48*24*9.0	1220*610*220	3200	170	32.82	1.19	H13
Terminal-09	24*12*4.8	610*305*120	500	190	5.33	0.75	H14
Terminal-10	24*24*4.8	610*610*120	1000	190	10.66	0.75	H14
Terminal-11	36*24*4.8	915*610*120	1550	190	16	0.77	H14
Terminal-12	48*24*4.8	1220*610*120	2100	190	21.33	0.78	H14
Terminal-13	24*24*6	610*610*150	1300	190	13.33	0.97	H14
Terminal-14	48*24*6	1220*610*150	2600	190	26.66	0.97	H14
Terminal-15	24*24*9.0	610*610*220	1600	190	16.41	1.19	H14
Terminal-16	48*24*9.0	1220*610*220	3200	190	32.82	1.19	H14

\*customized parameters available

# DOP Hooded Terminal Filter

Adaptive Efficiency: E10, E11, E12, H13, H14, U15, U16

## Product Features

- Light weight, easy installation and replacement
- 100% factory inspection
- Good ventilation performance
- Special sealing adhesive for DOP test
- Low run cost
- Good sealing
- High efficiency

## Application

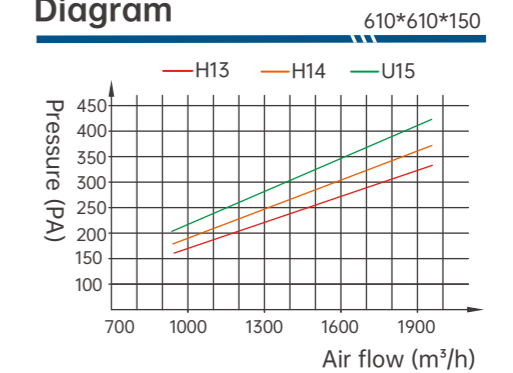
Places with high requirement of cleanliness, such as surgery, lab, pharmacy, photographic film plants, micro-electronic, fiber optic equipment and food processing factories, etc.



## Material and Operation Conditions

Media	Micro glass fiber
Frame	Folding aluminum / Galvanized steel
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket / EVA / EPDM
Separator	Hot melt bead
Optional aluminum frame thickness (mm)	120 150 220
Max. Temperature	70%
Max. Humidity	100%

## Air Flow & Resistance Diagram



## Technology Parameters

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)
Terminal-DOP-01	24*12*4.7	610*305*120	450	170	4.61	0.67	H13
Terminal-DOP-02	24*24*4.7	610*610*120	900	170	9.23	0.67	H13
Terminal-DOP-03	36*24*4.7	915*610*120	1350	170	13.84	0.67	H13
Terminal-DOP-04	48*24*4.7	1220*610*120	1800	170	18.46	0.67	H13
Terminal-DOP-05	24*24*6	610*610*150	1000	170	9.84	0.75	H13
Terminal-DOP-06	48*24*6	1220*610*150	2000	170	19.69	0.75	H13
Terminal-DOP-07	24*24*9	610*610*220	1050	170	10.66	0.78	H13
Terminal-DOP-08	48*24*9	1220*610*220	2100	170	21.33	0.78	H13
Terminal-DOP-09	24*12*4.7	610*305*120	450	190	4.61	0.67	H14
Terminal-DOP-10	24*24*4.7	610*610*120	900	190	9.23	0.67	H14
Terminal-DOP-11	36*24*4.7	915*610*120	1350	190	13.84	0.67	H14
Terminal-DOP-12	48*24*4.7	1220*610*120	1800	190	18.46	0.67	H14
Terminal-DOP-13	24*24*6	610*610*150	1000	190	9.84	0.75	H14
Terminal-DOP-14	48*24*6	1220*610*150	2000	190	19.69	0.75	H14
Terminal-DOP-15	24*24*9	610*610*220	1050	190	10.66	0.78	H14
Terminal-DOP-16	48*24*9	1220*610*220	2100	190	21.33	0.78	H14
Terminal-DOP-17	24*24*4.7	610*610*120	550	190	9.23	0.41	U15
Terminal-DOP-18	48*24*4.7	1220*610*120	1150	130	18.46	0.43	U15
Terminal-DOP-19	24*24*9	610*610*220	650	130	10.66	0.49	U15
Terminal-DOP-20	48*24*9	1220*610*220	1300	130	21.33	0.49	U15

\*customized parameters available

# Replaceable Hooded Terminal Filter

Adaptive Efficiency: E10, E11, E12, H13, H14

## Product Features

- ⦿ Light weight and thin thickness
- ⦿ High efficiency
- ⦿ 100% factory inspection
- ⦿ Good ventilation performance
- ⦿ Convenient installation and simple maintenance to save investment

## Application

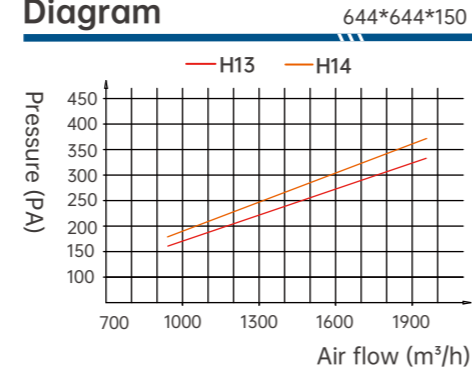
Places with high requirement of cleanliness, such as surgery, lab, pharmacy, micro-electronic, fiber optic equipment and food processing factories, etc.



## Material and Operation Conditions

Media	Micro glass fiber
Frame	150mm extruded aluminum
Rear cover	Folding aluminum/ Galvanized steel
Filter Frame	69mm extruded aluminum
Sealant	Two-component polyurethane glue
Gasket	PU foam gasket / EVA / EPDM
Separator	Hot melt bead
Max. Temperature	70°C
Max. Humidity	100%

## Air Flow & Resistance Diagram



## Technology Parameters

\*customized parameters available

Model	Size(inch) (WxHxD)	Size(mm) (WxHxD)	Air flow (m³/h)	Initial pressure (≤Pa)	Media area (m²)	Velocity (m/s)	Filter grade (EN1822)
Terminal-RE-01	14*14*6	354*354*150	250	170	2.71	0.68	H13
Terminal-RE-02	20.4*20.4*6	518*518*150	600	170	6.20	0.71	H13
Terminal-RE-03	21*21*6	534*534*150	650	170	6.61	0.72	H13
Terminal-RE-04	23.7*23.7*6	604*604*150	840	170	8.60	0.72	H13
Terminal-RE-05	25.3*25.3*6	644*644*150	950	170	9.84	0.71	H13
Terminal-RE-06	26.1*26.1*6	664*664*150	1000	170	10.50	0.70	H13
Terminal-RE-07	37.3*23.7*6	949*604*150	1350	170	13.80	0.72	H13
Terminal-RE-08	37.3*25.3*6	949*644*150	1450	170	14.77	0.72	H13
Terminal-RE-09	47.4*23.7*6	1204*604*150	1700	170	17.64	0.71	H13
Terminal-RE-10	49.3*25.3*6	1254*644*150	1900	170	19.69	0.71	H13
Terminal-RE-11	14*14*6	354*354*150	250	190	2.71	0.68	H14
Terminal-RE-12	20.4*20.4*6	518*518*150	600	190	6.20	0.71	H14
Terminal-RE-13	21*21*6	534*534*150	650	190	6.61	0.72	H14
Terminal-RE-14	23.7*23.7*6	604*604*150	840	190	8.60	0.72	H14
Terminal-RE-15	25.3*25.3*6	644*644*150	950	190	9.84	0.71	H14
Terminal-RE-16	26.1*26.1*6	664*664*150	1000	190	10.50	0.70	H14
Terminal-RE-17	37.3*23.7*6	949*604*150	1350	190	13.80	0.72	H14
Terminal-RE-18	37.3*25.3*6	949*644*150	1450	190	14.77	0.72	H14
Terminal-RE-19	47.4*23.7*6	1204*604*150	1700	190	17.64	0.71	H14
Terminal-RE-20	49.3*25.3*6	1254*644*150	1900	190	19.69	0.71	H14