

Environment friendly   
Energy saving Fresh air



深圳市湘南高科净化设备有限公司  
ShenZhen Xiangnan High-tech Purify Equipment Co., Ltd

## *Intro of SAF*

*Dear Sir or Madam,*

*This is SAF , we are manufacturer and distributor for air filters and air clean equipment since 2002, based on Shenzhen China.*

*Our product include: pre-filter, medium bag filter, HEPA filter, FFU, Pass box, Clean bench, Air shower, clean bench, air purifier filter, carbon filter and so on.*

*Our advantages: wide range of production line, OEM/ODM service, short lead time, quality control with test equipment, competitive price.*

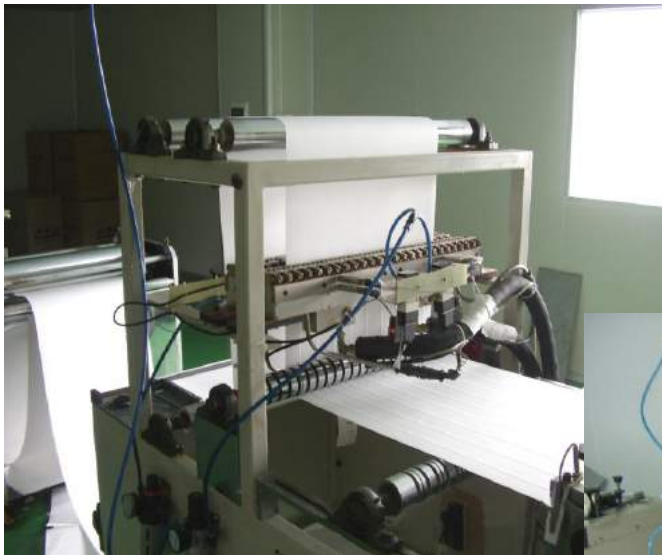
### *Production equipment*



*Semi-automatic folding  
machine for rigid HEPA filter*



*Folding machine  
for mini-pleated HEPA filter*



*Machine for  
Hot-melt gel process*



*Folding machine  
for pre filter*



*Workshop*



*Leakage test*

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## Nylon Mesh Filter

### Features

Cheap price, washable, cyclic utilization, save budget  
Robust delicate aluminum alloy frame  
Anti-acid, anti-alkali  
Long service life, light weight, easily to install

### Description

Filter media: black or white nylon mesh ( PP ), 2 layers  
Frame: aluminum alloy  
Efficiency: G1 / G2 ( EN: 779 )  
Average arrestance: 65%  
Pressure drop: 25Pa  
Usage environment: highest temp 80 ℃, humidity 100%  
Applications: pre filter for air ventilation system  
Normal thickness: 8 or 10mm



### Technical parameters

| Dimension   | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Filter media area<br>( m <sup>2</sup> ) | Net layer |
|-------------|------------|---------------------------------------------------------------------|-----------------------------------------|-----------|
| 295*595*8mm | G1         | 760 / 20                                                            | 0.35                                    | 2         |
| 595*595*8mm | G1         | 1700 / 20                                                           | 0.75                                    | 2         |

Pressure drop range: ±15%

According to clients` requirements offer different specifications

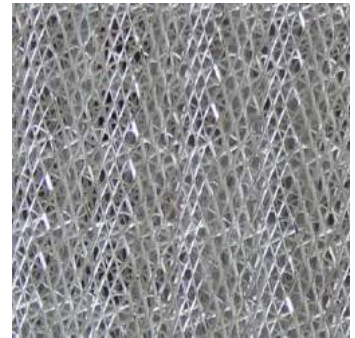
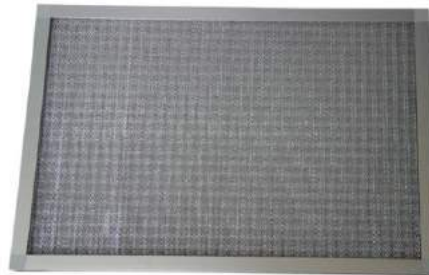
## Corrugated Metal Mesh Filter

### Features

Multi-layer increase the filter area  
Cheap price, washable, cyclic utilization, save budget  
Heat resistance, anti-acid, anti-alkali  
Robust delicate aluminum alloy frame  
Long service life

### Description

This is pre-filter for high temperature environment,  
also anti-acid  
Filter media: corrugated aluminum alloy mesh  
Frame: aluminum alloy or gal steel  
Efficiency: G1 / G2 ( EN: 779 )  
Usage environment: highest temp 250 ℃, humidity 100%  
Applications: pre filter for high temperature air ventilation system,  
remove moisture, oil residue, oil mist, grease.  
Normal thickness: 21mm ( 3 layers metal mesh ), 46mm ( 7 layers metal mesh ) and 50mm ( 8 layers metal mesh )



### Technical parameters

| Dimension  | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Filter media area<br>( m <sup>2</sup> ) | Layer |
|------------|------------|---------------------------------------------------------------------|-----------------------------------------|-------|
| 295*595*21 | G2         | 2000 / 40                                                           | 0.7                                     | 3     |
| 595*595*21 | G2         | 4000 / 40                                                           | 1.4                                     | 3     |
| 295*595*46 | G2         | 2000 / 45                                                           | 1.7                                     | 7     |
| 595*595*46 | G2         | 4000 / 45                                                           | 3.3                                     | 7     |
| 295*595*50 | G2         | 2000 / 50                                                           | 1.9                                     | 8     |
| 595*595*50 | G2         | 4000 / 50                                                           | 3.8                                     | 8     |

Pressure drop range: ±15%

According to clients` requirements offer different specifications

## Synthetic Panel Filter

### Features

Cheap price, washable  
Large dust holding  
High air flow rate

### Description

Filter media: synthetic fiber  
Frame: aluminum alloy or gal or corrugated / cardboard paper  
Efficiency: G3 ( EN: 779 )  
Usage environment: highest temp 80 ℃, humidity 80%  
Recommend final pressure drop: 125 Pa  
Features: washable, robust frame, long service life, easily to install,  
large dust holding capacity, low air flow pressure  
Applications: pre filter for air ventilation system, furnace filter.



### Technical parameters

| Dimension  | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area ( m <sup>2</sup> ) |
|------------|------------|---------------------------------------------------------------------|-------------------------------|
| 295*595*21 | G3         | 1000 / 35                                                           | 0.17                          |
| 495*495*21 | G3         | 1400 / 35                                                           | 0.25                          |
| 495*595*21 | G3         | 1700 / 35                                                           | 0.29                          |
| 495*625*21 | G3         | 1750 / 35                                                           | 0.31                          |
| 595*595*21 | G3         | 2000 / 35                                                           | 0.35                          |

Pressure drop range: ±15%

According to clients` requirements offer different specifications

## Glass Fiber Panel Filter

### Features

Cheap price, robust frame  
Large dust holding  
High air flow rate, low pressure drop  
High temperature resistance  
Anti-acid, anti-alkali  
Non-toxic, non-odorous glue treat with the glass fiber

### Description

Filter media: multi-layer design glass fiber lace with glue  
Frame: aluminum alloy or gal  
Efficiency: G3 ( EN: 779 )  
Usage environment: highest temp 300 ℃, humidity 80%  
Recommend final pressure drop: 125pa  
Applications: pre filter for air ventilation system, furnace filter.

### Technical parameters

| Dimension  | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area ( m <sup>2</sup> ) |
|------------|------------|---------------------------------------------------------------------|-------------------------------|
| 295*595*21 | G3         | 1000 / 40                                                           | 0.17                          |
| 495*495*21 | G3         | 1400 / 40                                                           | 0.25                          |
| 495*595*21 | G3         | 1700 / 40                                                           | 0.29                          |
| 495*625*21 | G3         | 1750 / 40                                                           | 0.31                          |
| 595*595*21 | G3         | 2000 / 40                                                           | 0.35                          |
| 295*595*46 | G3         | 1000 / 55                                                           | 0.17                          |
| 495*495*46 | G3         | 1400 / 55                                                           | 0.25                          |
| 495*595*46 | G3         | 1700 / 55                                                           | 0.29                          |
| 495*625*46 | G3         | 1750 / 55                                                           | 0.31                          |
| 595*595*46 | G3         | 2000 / 55                                                           | 0.35                          |

Pressure drop range: ±15%

According to clients` requirements offer different specifications



## Pleated Pre-Filter

### Features

Cheap price, robust frame  
Pleated design increase filter area  
Large dust holding, high air volume  
Light weight, easily to install

### Description:

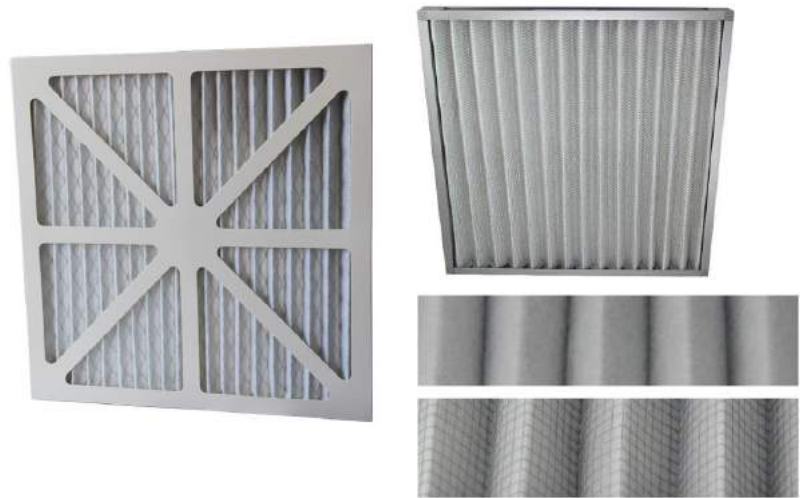
Filter media: synthetic fiber with single side support metal mesh. ( or double side )  
Frame: aluminum alloy or gal or corrugated / cardboard paper  
Efficiency: G3 / G4 ( EN: 779 )  
Gravimetric: 80-90%  
Usage environment: highest temp 80 °C, humidity 80%  
Face net: spot mesh or expanded mesh  
Recommend final pressure drop: 350Pa  
Features: robust frame, long service life, easily to install, large dust holding capacity, low air flow pressure.  
Applications: pre filter for air ventilation system, furnace filter, first stage of air purifier, gas turbine ventilation system.

### Technical parameters

| Dimension                    | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| 295*595*21mm<br>12*24*1 inch | 950 / 80                                                            | 1500 / 130                                                          | 0.3                              |
| 495*495*21mm<br>20*20*1 inch | 1300 / 80                                                           | 2250 / 130                                                          | 0.4                              |
| 495*595*21mm<br>20*24*1 inch | 1600 / 80                                                           | 2600 / 130                                                          | 0.5                              |
| 495*625*21mm<br>20*25*1 inch | 1650 / 80                                                           | 2700 / 130                                                          | 0.52                             |
| 595*595*21mm<br>24*24*1 inch | 1900 / 80                                                           | 3100 / 130                                                          | 0.58                             |
| 295*595*46mm<br>12*24*2 inch | 950 / 50                                                            | 1500 / 80                                                           | 0.48                             |
| 495*495*46mm<br>20*20*2 inch | 1350 / 50                                                           | 2250 / 80                                                           | 0.63                             |
| 495*595*46mm<br>20*24*2 inch | 1600 / 50                                                           | 2600 / 80                                                           | 0.75                             |
| 495*625*46mm<br>20*25*2 inch | 1650 / 50                                                           | 2700 / 80                                                           | 0.77                             |
| 595*595*46mm<br>24*24*2 inch | 1900 / 50                                                           | 3100 / 80                                                           | 0.95                             |
| 295*595*96mm<br>12*24*4 inch | 950 / 40                                                            | 1500 / 75                                                           | 0.88                             |
| 495*495*96mm<br>20*20*4 inch | 1350 / 40                                                           | 2250 / 75                                                           | 1.2                              |
| 495*595*96mm<br>20*24*4 inch | 1600 / 40                                                           | 2600 / 75                                                           | 1.5                              |
| 495*625*96mm<br>20*25*4 inch | 1650 / 40                                                           | 2700 / 75                                                           | 1.6                              |
| 595*595*96mm<br>24*24*4 inch | 1900 / 40                                                           | 3100 / 75                                                           | 1.7                              |

Pressure drop range: ±15%

According to clients` requirements offer different specifications



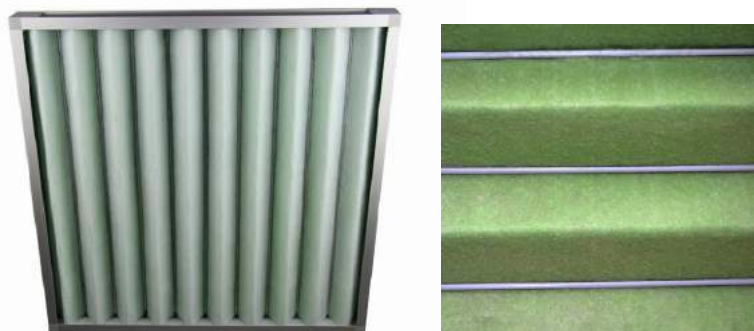
## Media Replaceable Pleated Pre-Filter

### Features

Robust Al or Gal steel frame  
Pleated design increase filter area  
Large dust holding capacity  
Easily to install  
Filter media replaceable

### Description

Filter media: synthetic fiber  
Frame: aluminum alloy or gal  
Efficiency: G3 / G4 ( EN: 779 )  
Usage environment: highest temp 80 °C, humidity 80%  
Recommend final pressure drop: 350Pa  
Applications: pre filter for air ventilation system, furnace filter



This filter consist of metal skeleton, filter media rolled with the skeleton, them install the skeleton into filter external frame. If want to change the filter media, please take out the skeleton and replace the media easily

### Technical parameters

| Dimension                    | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| 295*595*46mm<br>12*24*2 inch | 930 / 55                                                            | 1550 / 85                                                           | 0.46                             |
| 495*495*46mm<br>20*20*2 inch | 1330 / 55                                                           | 2200 / 85                                                           | 0.61                             |
| 495*595*46mm<br>20*24*2 inch | 1600 / 55                                                           | 2650 / 85                                                           | 0.72                             |
| 495*625*46mm<br>20*25*2 inch | 1660 / 55                                                           | 2760 / 85                                                           | 0.76                             |
| 595*595*46mm<br>24*24*2 inch | 1900 / 55                                                           | 3175 / 85                                                           | 0.92                             |
| 295*595*96mm<br>12*24*4 inch | 930 / 45                                                            | 1550 / 70                                                           | 0.84                             |
| 495*495*96mm<br>20*20*4 inch | 1330 / 45                                                           | 2200 / 70                                                           | 1.17                             |
| 495*595*96mm<br>20*24*4 inch | 1600 / 45                                                           | 2650 / 70                                                           | 1.40                             |
| 495*625*96mm<br>20*25*4 inch | 1660 / 45                                                           | 2760 / 70                                                           | 1.46                             |
| 595*595*96mm<br>24*24*4 inch | 1900 / 45                                                           | 3175 / 70                                                           | 1.6                              |

Pressure drop range:  $\pm 15\%$

According to clients` requirements offer different specifications

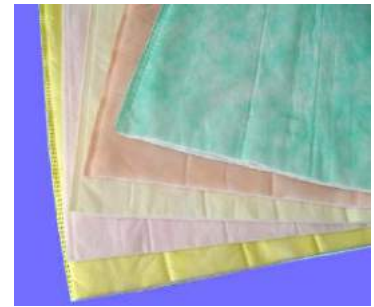
## Synthetic Pocket Filter

### Features

High loft, layered synthetic material  
Large air flow rate, low pressure drop  
V shape pocket design  
Good performance in turbulent air flow  
Reinforced frame prevent air leakage

### Description

Filter media: synthetic fiber  
Frame: aluminum alloy or gal header ( 21 mm thickness )  
Efficiency: F5, F6, F7, F8 ( EN: 779 )  
Usage environment: temp 80 ℃, humidity 80%  
Recommend final pressure drop: 450Pa  
Applications: second filter for clean room air ventilation system,  
pharmaceuticals, automotive, food processing, commerce, office building, hotel HVAC system.



### Technical parameters:

| Dimension    | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Pockets | Media area<br>( m <sup>2</sup> ) |
|--------------|------------|---------------------------------------------------------------------|---------------------------------------------------------------------|---------|----------------------------------|
| 592*592*600  | F5         | 2500 / 35                                                           | 3800 / 50                                                           | 8       | 6.5                              |
|              | F6         | 2500 / 45                                                           | 3800 / 65                                                           |         |                                  |
|              | F7         | 2500 / 80                                                           | 3800 / 115                                                          |         |                                  |
|              | F8         | 2500 / 90                                                           | 3800 / 135                                                          |         |                                  |
| 592*592*600  | F5         | 2500 / 40                                                           | 3800 / 55                                                           | 6       | 5.0                              |
|              | F6         | 2500 / 55                                                           | 3800 / 80                                                           |         |                                  |
|              | F7         | 2500 / 85                                                           | 3800 / 125                                                          |         |                                  |
|              | F8         | 2500 / 95                                                           | 3800 / 140                                                          |         |                                  |
| 490*592*600  | F5         | 2200 / 40                                                           | 3100 / 55                                                           | 5       | 4.5                              |
|              | F6         | 2200 / 55                                                           | 3100 / 80                                                           |         |                                  |
|              | F7         | 2200 / 85                                                           | 3100 / 125                                                          |         |                                  |
|              | F8         | 2200 / 95                                                           | 3100 / 140                                                          |         |                                  |
| 287*592*600  | F5         | 1200 / 40                                                           | 1800 / 55                                                           | 3       | 2.5                              |
|              | F6         | 1200 / 50                                                           | 1800 / 80                                                           |         |                                  |
|              | F7         | 1200 / 85                                                           | 1800 / 125                                                          |         |                                  |
|              | F8         | 1200 / 95                                                           | 1800 / 140                                                          |         |                                  |
| 592*592 *560 | F5         | 2500 / 40                                                           | 3800 / 55                                                           | 8       | 6.5                              |
|              | F6         | 2500 / 50                                                           | 3800 / 70                                                           |         |                                  |
|              | F7         | 2500 / 85                                                           | 3800 / 125                                                          |         |                                  |
|              | F8         | 2500 / 100                                                          | 3800 / 145                                                          |         |                                  |
| 490*592 *560 | F5         | 2100 / 40                                                           | 3100 / 55                                                           | 6       | 4.5                              |
|              | F6         | 2100 / 50                                                           | 3100 / 70                                                           |         |                                  |
|              | F7         | 2100 / 85                                                           | 3100 / 125                                                          |         |                                  |
|              | F8         | 2100 / 100                                                          | 3100 / 145                                                          |         |                                  |
| 287*592*560  | F5         | 1200 / 45                                                           | 1800 / 55                                                           | 3       | 2.5                              |
|              | F6         | 1200 / 60                                                           | 1800 / 85                                                           |         |                                  |
|              | F7         | 1200 / 90                                                           | 1800 / 135                                                          |         |                                  |
|              | F8         | 1200 / 100                                                          | 1800 / 150                                                          |         |                                  |

Pressure drop range:  $\pm 15\%$

According to clients` requirements offer different specifications

## Glass Fiber Pocket Filter

### Features

High loft, layered glass fiber media  
High air volume  
V shape pocket increase filter area  
Good performance in turbulent environment  
Reinforced frame eliminate air leakage

### Description

Filter media: glass fiber  
Frame: aluminum alloy or gal header ( 21 mm thickness )  
Efficiency: F5, F6, F7, F8 ( EN: 779 )  
Usage environment: highest temp 80 ℃, humidity 80%  
Recommend final pressure drop: 450Pa  
Features: robust frame, long service life, easily to install,  
large dust holding capacity, low air flow pressure, large air flow rate.  
Applications: second filter for clean room air ventilation system, pharmaceuticals,  
automotive, food processing, commerce, office building, hotel HVAC system.



### Technical parameters

| Dimension   | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) |            | Pockets | Media area<br>( m <sup>2</sup> ) |
|-------------|------------|---------------------------------------------------------------------|------------|---------|----------------------------------|
| 592*592*600 | F5         | 2500 / 40                                                           | 3600 / 65  | 6       | 4.5                              |
|             | F6         | 2500 / 55                                                           | 3600 / 85  | 8       | 6.2                              |
|             | F7         | 2500 / 90                                                           | 3600 / 135 | 8       | 6.2                              |
|             | F8         | 2500 / 100                                                          | 3600 / 170 | 8       | 6.2                              |
| 490*592*600 | F5         | 2000 / 40                                                           | 2900 / 65  | 5       | 3.8                              |
|             | F6         | 2000 / 55                                                           | 2900 / 85  | 6       | 4.6                              |
|             | F7         | 2000 / 90                                                           | 2900 / 170 | 6       | 4.6                              |
|             | F8         | 2000 / 100                                                          | 2900 / 140 | 6       | 4.6                              |
| 287*592*600 | F5         | 1250 / 40                                                           | 1800 / 65  | 3       | 2.3                              |
|             | F6         | 1250 / 55                                                           | 1800 / 85  | 4       | 3.2                              |
|             | F7         | 1250 / 90                                                           | 1800 / 135 | 4       | 3.2                              |
|             | F8         | 1250 / 100                                                          | 1800 / 170 | 4       | 3.2                              |
| 490*490*600 | F5         | 1750 / 40                                                           | 2500 / 65  | 5       | 3.1                              |
|             | F6         | 1700 / 55                                                           | 2500 / 85  | 6       | 3.9                              |
|             | F7         | 1700 / 90                                                           | 2500 / 135 | 6       | 3.9                              |
|             | F8         | 1700 / 100                                                          | 2500 / 170 | 6       | 3.9                              |

Pressure drop range: ±15%

According to clients` requirements offer different specifications

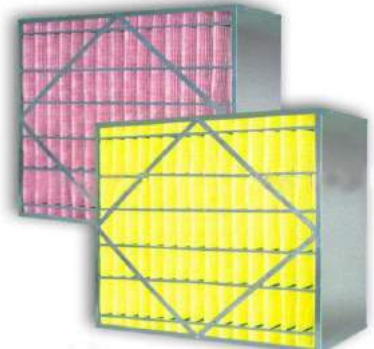
## Extended Surface Rigid Cell Filter

### Features

Gal frame, strong construction  
Good performance in turbulent air flow  
Pleated design distribute large filter area  
High dust holding capacity, layered synthetic media  
Easily to install in ventilation system

### Description

Filter media: pleated synthetic fiber  
Frame: galvanized steel  
Efficiency: F5, F6, F7, F8 ( EN: 779 )  
Usage environment: highest temp 80 ℃, humidity 80%  
Recommend final pressure drop: 250Pa  
Separator: plastic inserted  
Gasket: EVA if necessary  
Sealant: polyurethane  
Applications: second filter for clean room air ventilation system with high air flow rate,  
pharmaceuticals, automotive, food processing, commerce, office building, hotel HVAC system.



### Technical parameters

| Dimension                      | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) |             | Media area<br>( m <sup>2</sup> ) |
|--------------------------------|------------|---------------------------------------------------------------------|-------------|----------------------------------|
| 287*592*150mm<br>12*24*6 inch  | F5         | 950 / 55                                                            | 1200 / 75   | 1.3                              |
|                                | F6         | 950 / 65                                                            | 1200 / 85   |                                  |
|                                | F7         | 950 / 75                                                            | 1200 / 95   |                                  |
|                                | F8         | 950 / 85                                                            | 1200 / 1150 |                                  |
| 592*592*150mm<br>24*24*6 inch  | F5         | 2000 / 55                                                           | 2500 / 75   | 2.5                              |
|                                | F6         | 2000 / 65                                                           | 2500 / 85   |                                  |
|                                | F7         | 2000 / 75                                                           | 2500 / 95   |                                  |
|                                | F8         | 2000 / 85                                                           | 2500 / 115  |                                  |
| 287*592*292mm<br>12*24*12 inch | F5         | 1200 / 55                                                           | 1600 / 75   | 2.8                              |
|                                | F6         | 1200 / 65                                                           | 1600 / 85   |                                  |

|                                |    |           |            |     |
|--------------------------------|----|-----------|------------|-----|
| 592*592*292mm<br>24*24*12 inch | F7 | 1200 / 75 | 1600 / 95  | 5.5 |
|                                | F8 | 1200 / 85 | 1600 / 115 |     |
|                                | F5 | 2500 / 55 | 3500 / 75  |     |
|                                | F6 | 2500 / 65 | 3500 / 85  |     |
|                                | F7 | 2500 / 75 | 3500 / 95  |     |
|                                | F8 | 2500 / 85 | 3500 / 115 |     |

Pressure drop range:  $\pm 15\%$

According to clients' requirements offer different specifications

## V Bank Filter ( flange type )

### Features

ABS plastic frame

V shape, large air flow

Flange type

Light weight, easily to install

Mini-pleated design offer large filter area

### Description

Filter media: glass fiber or polypropylene

Frame: ABS plastic

Efficiency: F7, F8, F9 ( EN: 779 )

Usage environment: highest temp 80 °C, humidity 80%

Recommend final pressure drop: 600Pa

Separator: hot-melt glue

Gasket: EVA

Sealant: polyurethane

Applications: second filter for clean room air ventilation system, pharmaceuticals, automotive, food processing, commerce, office building, hotel HVAC system.



### Technical parameters

| Media type  | Dimension     | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|-------------|---------------|------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| Glass fiber | 592*287*292mm | F6         | 1000 / 65                                                           | 1700 / 105                                                          | 8.00                             |
|             |               | F7         | 1000 / 75                                                           | 1700 / 125                                                          |                                  |
|             |               | F8         | 1000 / 85                                                           | 1700 / 145                                                          |                                  |
|             | 592*592*292mm | F6         | 2000 / 70                                                           | 3400 / 105                                                          | 18.00                            |
|             |               | F7         | 2000 / 75                                                           | 3400 / 125                                                          |                                  |
|             |               | F8         | 2000 / 85                                                           | 3400 / 145                                                          |                                  |
| Polyester   | 592*287*292mm | F6         | 1000 / 45                                                           | 1700 / 75                                                           | 8.00                             |
|             |               | F7         | 1000 / 50                                                           | 1700 / 85                                                           |                                  |
|             |               | F8         | 1000 / 55                                                           | 1700 / 95                                                           |                                  |
|             | 592*592*292mm | F6         | 2000 / 45                                                           | 3400 / 75                                                           | 18.00                            |
|             |               | F7         | 2000 / 50                                                           | 3400 / 85                                                           |                                  |
|             |               | F8         | 2000 / 55                                                           | 3400 / 95                                                           |                                  |

Pressure drop range:  $\pm 15\%$

According to clients' requirements offer different specifications

## Mini-Pleated Medium Filter

### Features

Delicate aluminum alloy frame

Mini-pleated design offer large filter area

Painted metal mesh protect the media

High loft, large air flow rate

### Description

Filter media: glass fiber or polypropylene

Frame: aluminum alloy or ABS plastic

Efficiency: F7, F8, F9 ( EN: 779 )

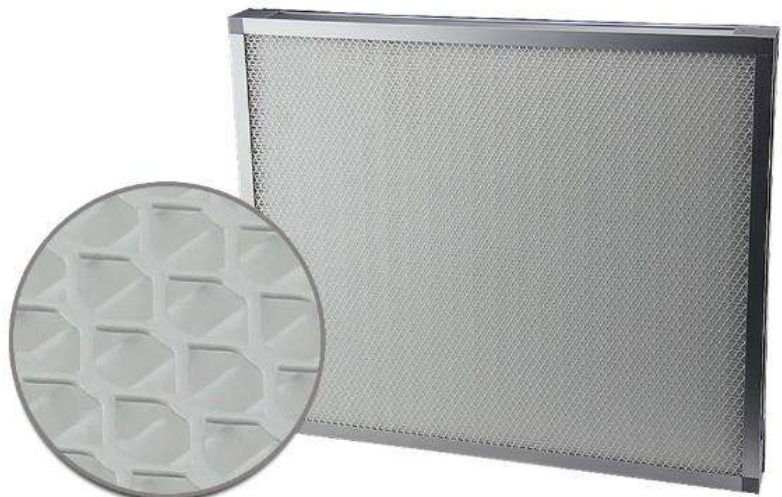
Usage environment: highest temp 80 °C, humidity 80%

Recommend final pressure drop: 400Pa

Separator: hot-melt glue

Gasket: EVA

Sealant: polyurethane



Applications: second filter for clean room air ventilation system, pharmaceuticals, automotive, food processing, commerce, office building, hotel HVAC system.

### Technical parameters

| Dimension                    | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|------------------------------|------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| 290*595*90mm<br>12*24*4 inch | F6         | 930 / 65                                                            | 1700 / 135                                                          | 5.6                              |
|                              | F7         | 930 / 70                                                            | 1700 / 160                                                          |                                  |
|                              | F8         | 930 / 80                                                            | 1700 / 175                                                          |                                  |
| 495*495*90mm<br>20*20*4 inch | F6         | 1300 / 65                                                           | 2400 / 135                                                          | 7.8                              |
|                              | F7         | 1300 / 70                                                           | 2400 / 160                                                          |                                  |
|                              | F8         | 1300 / 80                                                           | 2400 / 175                                                          |                                  |
| 495*595*90mm<br>20*24*4 inch | F6         | 1600 / 65                                                           | 2800 / 135                                                          | 9.4                              |
|                              | F7         | 1600 / 70                                                           | 2800 / 160                                                          |                                  |
|                              | F8         | 1600 / 80                                                           | 2800 / 175                                                          |                                  |
| 495*620*90mm<br>20*25*4 inch | F6         | 1700 / 65                                                           | 3000 / 135                                                          | 9.8                              |
|                              | F7         | 1700 / 70                                                           | 3000 / 160                                                          |                                  |
|                              | F8         | 1700 / 80                                                           | 3000 / 175                                                          |                                  |
| 595*595*90mm<br>24*24*4 inch | F6         | 1900 / 65                                                           | 3400 / 135                                                          | 11.5                             |
|                              | F7         | 1900 / 70                                                           | 3400 / 160                                                          |                                  |
|                              | F8         | 1900 / 80                                                           | 3400 / 175                                                          |                                  |

Pressure drop range:  $\pm 15\%$

According to clients' requirements offer different specifications

## Extended Surface HEPA Filter

### Features

Robust gal steel frame  
High efficiency, low pressure drop  
Stable laminar air flow out

### Description

Filter media: glass fiber. ( HV company )

Frame: aluminum alloy or gal steel or wooden

Efficiency: H10, H11, H12, H13, H14 ( EN: 1822 )

Usage environment: highest temp 80 °C, humidity 80%

Recommend final pressure drop: 450 Pa

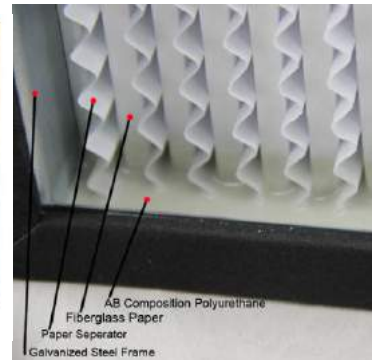
Separator: corrugated paper ( corrugated aluminum foil for high temperature resistance )

Gasket: EVA

Sealant: polyurethane

Face guard: painted metal mesh if required

Applications: final filter for clean room air ventilation system, pharmaceuticals, laboratory, hospital, electronic industry and so on.



### Technical parameters

| Dimension    | Efficiency | Air flow ( m <sup>3</sup> /h ) | Pressure drop ( Pa ) | Air flow ( m <sup>3</sup> /h ) | Pressure drop ( Pa ) | Media area |
|--------------|------------|--------------------------------|----------------------|--------------------------------|----------------------|------------|
| 305*610*292  | H11        | 1000                           | 235                  | 1700                           | 325                  | 6.7        |
|              | H13        |                                | 255                  |                                | 355                  |            |
|              | H14        |                                | 285                  |                                | 385                  |            |
| 610*610*292  | H11        | 2000                           | 235                  | 3400                           | 325                  | 13.7       |
|              | H13        |                                | 255                  |                                | 355                  |            |
|              | H14        |                                | 285                  |                                | 385                  |            |
| 915*610*292  | H11        | 3000                           | 235                  | 5000                           | 325                  | 20.7       |
|              | H13        |                                | 255                  |                                | 355                  |            |
|              | H14        |                                | 285                  |                                | 385                  |            |
| 1220*610*292 | H11        | 4000                           | 215                  | 6600                           | 305                  | 27.8       |
|              | H13        |                                | 235                  |                                | 335                  |            |
|              | H14        |                                | 265                  |                                | 375                  |            |
| 305*610*150  | H11        | 500                            | 215                  | 1000                           | 305                  | 3.3        |
|              | H13        |                                | 235                  |                                | 335                  |            |
|              | H14        |                                | 265                  |                                | 380                  |            |
| 610*610*150  | H11        | 1000                           | 215                  | 2000                           | 305                  | 6.5        |
|              | H13        |                                | 235                  |                                | 335                  |            |
|              | H14        |                                | 265                  |                                | 380                  |            |
| 915*610*150  | H11        | 1500                           | 215                  | 3000                           | 305                  | 9.5        |
|              | H13        |                                | 235                  |                                | 335                  |            |
|              | H14        |                                | 265                  |                                | 380                  |            |
| 1220*610*150 | H11        | 2000                           | 215                  | 4000                           | 305                  | 12.7       |
|              | H13        |                                | 235                  |                                | 335                  |            |
|              | H14        |                                | 265                  |                                | 380                  |            |

Pressure drop range:  $\pm 15\%$

According to clients' requirements offer different specifications

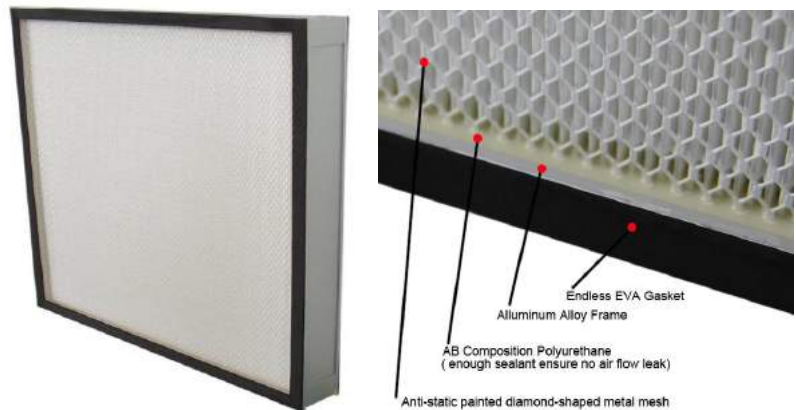
## Mini-Pleated HEPA Filter

### Features

Robust delicate aluminum alloy frame  
Long service life, easily to install  
Mini-pleated design ensure large air flow rate  
Low pressure drop save running budget  
Painted metal mesh protect filter media

### Description

Filter media: glass fiber.  
Frame: aluminum alloy or gal steel  
Efficiency: H10, H11, H12, H13, H14 ( EN: 1822 )  
Usage environment: highest temp 80 °C, humidity 80%  
Recommend final pressure drop: 600Pa  
Separator: hot-melt gel  
Gasket: EVA  
Sealant: polyurethane  
Face guard: painted metal mesh (both inlet and outlet side )  
Applications: final filter for clean room air ventilation system, pharmaceuticals, laboratory, hospital, electronic industry and so on.



### Technical parameters

| Dimension    | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|--------------|------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| 305*610* 50  | H13        | 300/140                                                             | 600/280                                                             | 3.8                              |
|              | H14        | 300/165                                                             | 600/295                                                             |                                  |
| 610*610* 50  | H13        | 600/140                                                             | 1200/280                                                            | 8.2                              |
|              | H14        | 600/165                                                             | 1200/295                                                            |                                  |
| 1170*570* 50 | H13        | 1000/140                                                            | 2000/280                                                            | 145                              |
|              | H14        | 1000/165                                                            | 2000/295                                                            |                                  |
| 1220*610* 50 | H13        | 1150/140                                                            | 2300/280                                                            | 16.5                             |
|              | H14        | 1150/165                                                            | 2300/295                                                            |                                  |
| 305*610* 69  | H13        | 300/115                                                             | 600/215                                                             | 5.5                              |
|              | H14        | 300/130                                                             | 600/240                                                             |                                  |
| 610*610* 69  | H13        | 600/115                                                             | 1200/215                                                            | 10.0                             |
|              | H14        | 600/130                                                             | 1200/240                                                            |                                  |
| 1170*570* 69 | H13        | 1000/115                                                            | 2000/215                                                            | 20.00                            |
|              | H14        | 1000/130                                                            | 2000/240                                                            |                                  |
| 1220*610* 69 | H13        | 1150/130                                                            | 2300/215                                                            | 22.5                             |
|              | H14        | 1150/115                                                            | 2300/240                                                            |                                  |
| 305*610* 90  | H13        | 300/95                                                              | 600/165                                                             | 6.5                              |
|              | H14        | 300/105                                                             | 600/180                                                             |                                  |
| 610*610*90   | H13        | 600/95                                                              | 1200/165                                                            | 13.0                             |
|              | H14        | 600/105                                                             | 1200/180                                                            |                                  |
| 1170*570*90  | H13        | 1000/95                                                             | 2000/165                                                            | 23.5                             |
|              | H14        | 1000/105                                                            | 2000/180                                                            |                                  |
| 1220*610*90  | H13        | 1150/95                                                             | 2300/165                                                            | 26.0                             |
|              | H14        | 1150/105                                                            | 2300/180                                                            |                                  |

Pressure drop range: ±15%

According to clients' requirements offer different specifications

## Box V-Cell HEPA Filter

### Features

Large air flow rate  
High efficiency, good performance  
High dust holding capacity  
V shape design increase the filter media area  
Robust gal frame, flange type available

### Description

Filter media: glass fiber. ( HV company )  
Frame: gal steel  
Efficiency: H10, H11, H12, H13, H14 ( EN: 1822 )  
Usage environment: highest temp 80 °C, humidity 80%  
Initial pressure drop:  
Recommend final pressure drop: 600Pa  
Separator: hot-melt glue  
Gasket: EVA  
Sealant: polyurethane  
Face guard: painted metal mesh ( if required )  
Applications: final filter for clean room air ventilation system, pharmaceuticals, laboratory, hospital, electronic industry and so on.



**Technical parameters**

| Media type         | Dimension     | Efficiency | Air flow rate / Initial pressure drop<br>( $\text{m}^3/\text{h} / \text{Pa}$ ) | Air flow rate / Initial pressure drop<br>( $\text{m}^3/\text{h} / \text{Pa}$ ) | Media area<br>( $\text{m}^2$ ) |
|--------------------|---------------|------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------|
| <b>Glass fiber</b> | 305*610*292mm | H13        | 1000 / 235                                                                     | 1700 / 285                                                                     | 12.4                           |
|                    |               | H14        | 1000 / 255                                                                     | 1700 / 315                                                                     |                                |
|                    | 610*610*292mm | H13        | 2000 / 235                                                                     | 3400 / 285                                                                     | 24.7                           |
|                    |               | H14        | 2000 / 255                                                                     | 3400 / 315                                                                     |                                |

Pressure drop range:  $\pm 15\%$

According to clients` requirements offer different specifications

## V Bank HEPA Filter

**Features**

Large air flow rate

High efficiency, good performance

High dust holding capacity

V shape design increase the filter media area

Flange type available

**Description**

Filter media: glass fiber. ( HV company )

Frame: ABS plastic

Efficiency: H10, H11, H12, H13, H14 ( EN: 1822 )

Usage environment: highest temp 80 °C, humidity 80%

Initial pressure drop:

Recommend final pressure drop: 600Pa

Separator: hot-melt glue

Gasket: EVA

Sealant: polyurethane

Face guard: painted metal mesh

Applications: final filter for clean room air ventilation system, pharmaceuticals, laboratory, hospital, electronic industry and so on.

**Technical parameters**

| Media type         | Dimension     | Efficiency | Air flow rate / Initial pressure drop<br>( $\text{m}^3/\text{h} / \text{Pa}$ ) | Air flow rate / Initial pressure drop<br>( $\text{m}^3/\text{h} / \text{Pa}$ ) | Media area<br>( $\text{m}^2$ ) |
|--------------------|---------------|------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------|--------------------------------|
| <b>Glass fiber</b> | 952*287*292mm | H13        | 1000 / 270                                                                     | 1700 / 330                                                                     | 9.74                           |
|                    |               | H14        | 1000 / 300                                                                     | 1700 / 350                                                                     |                                |
|                    | 592*492*292mm | H13        | 1600 / 270                                                                     | 2700 / 330                                                                     | 17.81                          |
|                    |               | H14        | 1600 / 300                                                                     | 2700 / 350                                                                     |                                |
|                    | 592*592*292mm | H13        | 2000 / 270                                                                     | 3400 / 330                                                                     | 21.95                          |
|                    |               | H14        | 2000 / 300                                                                     | 3400 / 350                                                                     |                                |

Pressure drop range:  $\pm 15\%$

According to clients` requirements offer different specifications

## HEPA Filter with Fluid Seal

**Features**

Fluid gel seal ensure no leakage

Delicate aluminum alloy frame

Mini-pleated HEPA offer large air flow

HV glassfiber ensure low pressure drop

**Description**

Filter media: glass fiber.

Frame: aluminum alloy

Efficiency: H14 99.99% ( EN: 1822 )

Usage environment: highest temp 80 °C, humidity 80%

Initial pressure drop: 140Pa

Recommend final pressure drop: 350Pa

Separator: hot-melt gel

Sealant: polyurethane

Face guard: painted metal mesh ( both inlet and outlet side )

Applications: final filter for clean room air ventilation system, pharmaceuticals, laboratory, hospital, electronic industry and so on.

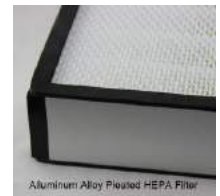


**Technical parameters**

| Dimensions (mm) | Efficiency (%) | Rated air flow (m <sup>3</sup> /h) | Initial resistance (Pa) | Fluid seal gel position |
|-----------------|----------------|------------------------------------|-------------------------|-------------------------|
| 400*400*75      | ≥99.99         | 400                                | 220                     | side                    |
| 550*550*75      | ≥99.99         | 750                                | 220                     | side                    |
| 630*630*75      | ≥99.99         | 1100                               | 220                     | side                    |
| 915*610*75      | ≥99.99         | 1500                               | 220                     | side                    |
| 400*400*93      | ≥99.99         | 500                                | 180                     | side                    |
| 550*550*93      | ≥99.99         | 1000                               | 180                     | side                    |
| 630*630*93      | ≥99.99         | 1500                               | 180                     | side                    |
| 915*610*93      | ≥99.99         | 2000                               | 180                     | side                    |
| 434*434*90      | ≥99.99         | 500                                | 180                     | side                    |
| 584*584*90      | ≥99.99         | 1000                               | 180                     | side                    |
| 644*644*90      | ≥99.99         | 1500                               | 180                     | side                    |
| 949*644*90      | ≥99.99         | 2000                               | 180                     | side                    |
| 400*400*80      | ≥99.99         | 450                                | 195                     | upon                    |
| 550*550*80      | ≥99.99         | 900                                | 195                     | upon                    |
| 630*630*80      | ≥99.99         | 1350                               | 195                     | upon                    |
| 915*610*80      | ≥99.99         | 1800                               | 195                     | upon                    |

Pressure drop range: ±15%

According to clients` requirements offer different specifications

**Mini-Pleated ULPA Filter****Features***Easy to install**Light weight, robust aluminum alloy frame**EVA gasket ( endless ), ensure no leakage**Mini-pleated design provide large air volume**HV glassfiber ensure low pressure drop**Every ULPA be tested no broken before shipping***Description***Filter media: glass fiber.**Frame: aluminum alloy**Efficiency: U15 ( EN: 1822 )**Usage environment: highest temp 80 °C, humidity 80%**Initial pressure drop: 170Pa**Recommend final pressure drop: 450Pa**Separator: hot-melt gel**Gasket: EVA endless or fluid gel seal.**Sealant: polyurethane**Face guard: painted metal mesh ( both inlet and outlet side )**Applications: final filter for clean room air ventilation system, laboratory, hospital, electronic industry and so on.**Semiconductor industry, clean room, laminar flow equipments.***Technical parameters**

| Dimension   | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|-------------|------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| 305*610*50  | U15        | 300 / 140                                                           | 600 / 325                                                           | 4.0                              |
| 610*610*50  | U15        | 500 / 140                                                           | 1200 / 325                                                          | 8.5                              |
| 1170*570*50 | U15        | 900 / 140                                                           | 2000 / 325                                                          | 14.5                             |
| 1220*610*50 | U15        | 950 / 140                                                           | 2300 / 325                                                          | 16.5                             |
| 305*610*69  | U15        | 250 / 120                                                           | 600 / 295                                                           | 4.5                              |
| 610*610*69  | U15        | 500 / 120                                                           | 1200 / 295                                                          | 9.5                              |
| 1170*570*69 | U15        | 900 / 120                                                           | 2000 / 295                                                          | 17.5                             |
| 1220*610*69 | U15        | 1000 / 120                                                          | 2300 / 295                                                          | 19.5                             |

Pressure drop range: ±15%

According to clients` requirements offer different specifications

**High Temperature Filter****Features***High temperature resistance**High air flow rate**Low pressure drop**Robust frame***Description***Filter media: heat resistant glass fiber**Frame: 304 Stainless steel, 210 stainless steel, gal steel*

Efficiency: F7, F8, H10, H11, H12, H13, H14 ( EN: 1822 )

Usage environment: temp resistance ( 250 to 400 ℃, humidity 80% )

Recommend final pressure drop: 400Pa

Separator: corrugated aluminum foil

Gasket: heat resistant rubber

Sealant: heat resistant polyurethane

Face guard: aluminum or stainless steel mesh ( both inlet and outlet side )

Applications: Final filters for commercial & industrial,  
clean room air ventilation system, ventilation systems of high running temperature.

### Technical parameters

| Type        | Dimension   | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|-------------|-------------|------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| Box         | 305*610*292 | F7         | 1000 / 85                                                           | 1700 / 140                                                          | 6.5                              |
|             |             | F8         | 1000 / 100                                                          | 1700 / 165                                                          |                                  |
|             | 610*610*292 | F7         | 2000 / 85                                                           | 3400 / 140                                                          | 13.5                             |
|             |             | F8         | 2000 / 10                                                           | 3400 / 165                                                          |                                  |
| Flange type | 287*595*292 | F7         | 1000 / 95                                                           | 1700 / 150                                                          | 6.0                              |
|             |             | F8         | 1000 / 110                                                          | 1700 / 185                                                          |                                  |
|             | 595*595*292 | F7         | 2000 / 95                                                           | 3400 / 150                                                          | 13.0                             |
|             |             | F8         | 2000 / 110                                                          | 3400 / 185                                                          |                                  |
| Box         | 305*610*150 | F7         | 700 / 85                                                            | 1200 / 140                                                          | 3.0                              |
|             |             | F8         | 700 / 100                                                           | 1200 / 165                                                          |                                  |
|             | 610*610*150 | F7         | 1500 / 85                                                           | 2500 / 140                                                          | 6.0                              |
|             |             | F8         | 1500 / 100                                                          | 2500 / 165                                                          |                                  |
| Flange type | 287*595*150 | F7         | 700 / 95                                                            | 1200 / 150                                                          | 2.5                              |
|             |             | F8         | 700 / 110                                                           | 1200 / 185                                                          |                                  |
|             | 595*595*150 | F7         | 1500 / 95                                                           | 2500 / 150                                                          | 6.0                              |
|             |             | F8         | 1500 / 110                                                          | 2500 / 185                                                          |                                  |

| Dimension    | Efficiency | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|--------------|------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| 305*610*292  | H13        | 1000 / 255                                                          | 1700 / 355                                                          | 7.0                              |
|              | H14        | 1000 / 285                                                          | 1700 / 385                                                          |                                  |
| 610*610*292  | H13        | 2000 / 255                                                          | 3400 / 355                                                          | 13.5                             |
|              | H14        | 2000 / 285                                                          | 3400 / 385                                                          |                                  |
| 915*610*292  | H13        | 3000 / 255                                                          | 5000 / 355                                                          | 20.5                             |
|              | H14        | 3000 / 285                                                          | 5000 / 385                                                          |                                  |
| 1220*610*292 | H13        | 4000 / 255                                                          | 6600 / 355                                                          | 28.0                             |
|              | H14        | 4000 / 285                                                          | 6600 / 385                                                          |                                  |
| 305*610*150  | H13        | 500 / 235                                                           | 1000 / 335                                                          | 3.0                              |
|              | H14        | 500 / 265                                                           | 1000 / 380                                                          |                                  |
| 610*610*150  | H13        | 1000 / 235                                                          | 2000 / 335                                                          | 6.5                              |
|              | H14        | 1000 / 265                                                          | 2000 / 380                                                          |                                  |
| 915*610*150  | H13        | 1500 / 235                                                          | 3000 / 335                                                          | 9.5                              |
|              | H14        | 1500 / 265                                                          | 3000 / 380                                                          |                                  |
| 1220*610*150 | H13        | 2000 / 235                                                          | 4000 / 335                                                          | 13.0                             |
|              | H14        | 2000 / 265                                                          | 4000 / 380                                                          |                                  |

Pressure drop range: ±15%

According to clients` requirements offer different specifications

## FFU Fan Filter Unit

### Features

Self-contained FFU

Speed control

Lower operating budget design

High static pressure

Low operating noise

OEM / ODM service



Applications: For turbulent or laminar flow of clean room, clean booth.

Frame: Al-Zn alloy, gal steel, stainless steel, painted steel.

Fan: 315mm diameter back centrifugal aluminum alloy

( or EBM fan made in Germany available )

Air flow velocity: 0.45m/s±20% adjustable ( 3 level )

Usage environment: temp 80 ℃, humidity: 80%

Power system: AC or DC.

Mini-pleated HEPA Filter inside:

Efficiency: H13, H14, U15, U16 ( 99.97%-99.9999% 0.3μm -0.12μm EN:1822 )

**Technical parameters**

| Model                             | XN-FFU-122Z                                     | XN-FFU-122Z  | XN-FFU-117Z  | XN-FFU-61Z  | XN-FFU-57Z  |
|-----------------------------------|-------------------------------------------------|--------------|--------------|-------------|-------------|
| Parameters                        |                                                 |              |              |             |             |
| Air flow rate (m <sup>3</sup> /h) | 3000                                            | 1600         | 1500         | 600         | 500         |
| Noise / Db (A)                    | 54~60                                           |              |              |             |             |
| HEPA filter efficiency            | ≥99.99% ~ 99.9999% ( @≥0.3μm -0.12μm, EN:1822 ) |              |              |             |             |
| Power                             | AC220V±10%,1φ,50HZ±2HZ ( 110V 60HZ available )  |              |              |             |             |
| The input power (W)               | 360                                             | 180          | 180          | 145         | 75          |
| FFU dimensions (L*W*H)            | 1170*1170*320                                   | 1220*610*320 | 1170*570*320 | 610*610*280 | 570*570*280 |
| HEPA filter dimension             | 1170*1170*69                                    | 1220*610*69  | 1170*570*69  | 610*610*69  | 570*570*69  |
| Filter pressure drop              | 90-125Pa                                        | 90-125Pa     | 90-125Pa     | 90-125Pa    | 90-125Pa    |
| Coarse filters                    | 495*495*21                                      | 495*495*21   | 495*495*21   | 395*395*21  | 395*395*21  |

Pressure drop range: ±15%

According to clients' requirements offer different specifications

## Laminar Flow Hoods

**Features**

Speed control  
Lower operating budget design  
Low operating noise  
Customized dimension

Frame: stainless steel or painted steel.  
Type: horizontal or vertical  
Platform: stainless steel with holes or without  
Light: fluorescent lamp or UV light  
Pressure gauge: if required  
Air velocity adjustable: three level adjust or infinitely variable speeds.  
Fan: 315mm diameter aluminum alloy, back centrifugal fan. ( or EBM fan made in Germany )  
Air velocity: 0.45m/s ±20% adjustable  
Working area cleanliness level: class 100.  
( max particle contain: 3530pcs per CBM @ 0.3μm )  
Usage environment: temp 80 ℃, humidify: 80%  
Power system: AC or DC.

**Option**

Pressure gauge  
Control system  
UV light

**Mini-pleated HEPA Filter inside**

Efficiency: H13, H14, U15 ( EN:1822 )  
Filter media: glass fiber  
External frame: aluminum alloy  
Sealant: polyurethane  
Gasket: EVA or fluid gel  
Face guard: painted metal steel ( both inlet and outlet side )

**Technical parameters**

| Specification                       | XN-JJZ-1040                          | XN-JJZ-1420        | XN-JJS-1550        |
|-------------------------------------|--------------------------------------|--------------------|--------------------|
| Dimension ( mm )                    | 1040*740*1750                        | 1420*690*1750      | 1550*850*1450      |
| Air flow direction                  | vertical                             | vertical           | horizontal         |
| HEPA filter dimension ( mm )        | 915*610*69                           | 1220*570*69        | 1300*610*69        |
| Air flow rate ( m <sup>3</sup> /h ) | 1500                                 | 1500               | 1500               |
| Air flow speed ( m/s )              | 0.3-0.8                              |                    |                    |
| Cleanliness level                   | 100 level ( federal standards 209E ) |                    |                    |
| Noise (DB)                          | 55-62                                |                    |                    |
| Power                               | 200V, 50Hz, 0.18Kw                   | 220V, 50Hz, 0.36Kw | 220V, 50Hz, 0.36Kw |
| Staff quantity                      | 1                                    | 2                  | 2                  |
| Net Weight ( Kg )                   | 130                                  | 150                | 170                |

Other dimension and specification customized.



## Pass Box

### Features

Glass on the door  
Electrical or physical mechanical lock design  
Customized dimension

Outer side frame: stainless steel or painted steel  
Inner side frame: stainless steel  
Lock type: electronic control or physical mechanical control  
ensure the door two side cannot be opened together  
Transparent glass on door  
There are signal light on both side of the pass box,  
indicate the location ( open or close ) of the door.  
Light: fluorescent lamp or UV light if required



### Technical parameters

| Item No           | XN-SD-621                         | XN-SD-821      |
|-------------------|-----------------------------------|----------------|
| Outside dimension | W760*D660*H660                    | W960*D860*H860 |
| Inside dimension  | W600*D600*H600                    | W800*D800*H800 |
| Frame inside      | Stainless steel                   |                |
| Frame outside     | Painted metal steel               |                |
| Color             | White                             |                |
| Lock              | Electronic or physical mechanical |                |

Other dimension and specification customized.

## Air Shower

### Features

Glass on the door  
Electrical or physical mechanical lock design  
Customized dimension  
Stainless nozzle  
Large air flow

External frame: stainless steel or painted steel  
Material of door, board, nozzle: stainless steel  
Lock type: electronic control or physical mechanical control ensure the door two side cannot be opened together  
Transparent glass on door  
Air shower time: 0-99 seconds adjustable  
Two doors in one line or two in angle relatively position  
There are signal light on both side of the pass box,  
indicate the location ( open or close ) of the door.  
Filter system: pre-filter + HEPA filter  
Fan: AC / DC power, low vibration, low noise back centrifugal fan  
Air velocity: 20-28m/s



### Technical parameters

| Item No                       | XN-1R-129      | XN-2R-159       | XN-4R-159       | XN-1H-200       | XN-2H-230       |
|-------------------------------|----------------|-----------------|-----------------|-----------------|-----------------|
| Dimension<br>L×W×H(mm)        | 1290×1000×2050 | 1590×1000× 2050 | 1590×2000× 2050 | 2000×2000× 2050 | 2300×2000× 2050 |
| Air shower room<br>L×W×H (mm) | 790×910× 1930  | 790×910× 1930   | 790×910× 1930   | 1200×1910× 1930 | 1500×1910× 1930 |
| Nozzle QTY                    | 6              | 12              | 24              | 24              | 24              |
| Air flow speed (m/s)          | 20~28          |                 |                 |                 |                 |
| Power standard                | 3N 380V 50HZ   |                 |                 |                 |                 |
| Power (KW)                    | 0.75           | 1.5             | 4.5             | 4.5             | 4.5             |
| Suitable Staff                | 1~2            | 1~2             | 2~4             | Multi           | Multi           |

Other dimension and specification customized.

## Disposable Ceiling Module

### Features:

Enclosed construction, leakage free  
Small dimension, light weight, easily to install  
Fire proof UL-B1

Electrical or physical mechanical lock design  
Customized dimension  
Stainless nozzle  
Large air flow

Mini-pleated HEPA / ULPA inside ( efficiency: H13, H14, U15 )  
Light weight, easily to install  
Adjustable air flow rate, negative pressure sealing  
Connect: circular or spiral metal ( 350mm, 300mm, 250mm )  
External frame: aluminum, Al-Zn alloy, gal steel  
Sealant: polyurethane  
Gasket: EVA  
Separator: hot-melt gel  
HEPA filter material: glass fiber  
Usage environment: temp 80 ℃, humidify: 80%



### Technical parameters:

| Item No    | Dimension ( mm ) | Air flow rate ( m <sup>3</sup> /h ) | Initial resistance ( Pa ) | Efficiency ( % ) |
|------------|------------------|-------------------------------------|---------------------------|------------------|
| XN-CYH-10J | 610*610*150      | 1000                                | 240                       | 99.99            |
| XN-CYH-15J | 915*610*150      | 1500                                | 240                       | 99.99            |
| XN-CYH-20J | 1220*610*150     | 2000                                | 240                       | 99.99            |

Other dimension and specification customized.

## Ceiling Module with Replaceable HEPA Filter ( fluid seal )

### Features

HEPA / ULPA replaceable  
Easily to install, good appearance  
Fluid gel sealed free leakage  
PAO ( DOP ) test  
Delicate painted steel

Adjustable air flow rate  
External frame: painted steel  
Sealant: polyurethane  
Air volume control: inlet with fixed damper  
Usage environment: temp 80 ℃, humidify: 80%  
For pharmaceutical and biotech application,  
hospital operating rooms, laboratories



### Technical parameters

| Dimension (mm) | Efficiency ( EN:1822 ) | Air flow inlet direction | Air flow control ( mm ) | Air diffuser size ( mm ) | HEPA Size ( mm ) | Air flow ( m <sup>3</sup> /h ) | Pressure drop ( Pa ) | DOP test |
|----------------|------------------------|--------------------------|-------------------------|--------------------------|------------------|--------------------------------|----------------------|----------|
| 500*500*290    | H14                    | Upon                     | 200*200                 | 555*555                  | 400*400*75 / 80  | 400 / 450                      | 220 / 210            | Yes      |
| 500*500*450    | H14                    | Side                     | 200*200                 | 555*555                  | 400*400*75 / 80  | 400 / 450                      | 220 / 210            | Yes      |
| 500*500*290    | H14                    | Upon                     | 200*200                 | 555*555                  | 400*400*93       | 500                            | 180                  | Yes      |
| 500*500*460    | H14                    | Side                     | 200*200                 | 555*555                  | 400*400*93       | 500                            | 180                  | Yes      |
| 650*650*290    | H14                    | Upon                     | 300*200                 | 705*705                  | 550*550*75 / 80  | 750 / 900                      | 220 / 210            | Yes      |
| 650*650*450    | H14                    | Side                     | 300*200                 | 705*705                  | 550*550*75 / 80  | 750 / 900                      | 220 / 210            | Yes      |
| 650*650*290    | H14                    | Upon                     | 300*200                 | 705*705                  | 550*550*93       | 1000                           | 180                  | Yes      |
| 650*650*460    | H14                    | Side                     | 300*200                 | 705*705                  | 550*550*93       | 1000                           | 180                  | Yes      |
| 730*730*290    | H14                    | Upon                     | 400*200                 | 785*785                  | 630*630*75 / 80  | 1100 / 1350                    | 220 / 210            | Yes      |
| 730*730*450    | H14                    | Side                     | 400*200                 | 785*785                  | 630*630*75 / 80  | 1100 / 1350                    | 220 / 210            | Yes      |
| 730*730*290    | H14                    | Upon                     | 400*200                 | 785*785                  | 630*630*93       | 1500                           | 180                  | Yes      |
| 730*730*460    | H14                    | Side                     | 400*200                 | 785*785                  | 630*630*93       | 1500                           | 180                  | Yes      |
| 1015*710*290   | H14                    | Upon                     | 400*200                 | 1060*765                 | 915*610*75 / 80  | 1500 / 1800                    | 220 / 210            | Yes      |
| 1015*710*450   | H14                    | Side                     | 400*200                 | 1060*765                 | 915*610*75 / 80  | 1500 / 1800                    | 220 / 210            | Yes      |
| 1015*710*290   | H14                    | Upon                     | 400*200                 | 1060*765                 | 915*610*93       | 2000                           | 180                  | Yes      |
| 1015*710*460   | H14                    | Side                     | 400*200                 | 1060*765                 | 915*610*93       | 2000                           | 180                  | Yes      |
| 534*534*290    | H14                    | Upon                     | 200*200                 | 589*589                  | 434*434*90       | 500                            | 180                  | Yes      |
| 534*534*460    | H14                    | Side                     | 200*200                 | 589*589                  | 434*434*90       | 500                            | 180                  | Yes      |
| 684*684*290    | H14                    | Upon                     | 300*200                 | 739*739                  | 584*584*90       | 1000                           | 180                  | Yes      |
| 684*684*460    | H14                    | Side                     | 300*200                 | 739*739                  | 584*584*90       | 1000                           | 180                  | Yes      |
| 744*744*290    | H14                    | Upon                     | 400*200                 | 799*799                  | 644*644*90       | 1500                           | 180                  | Yes      |
| 744*744*460    | H14                    | Side                     | 400*200                 | 799*799                  | 644*644*90       | 1500                           | 180                  | Yes      |
| 1049*744*290   | H14                    | Upon                     | 500*200                 | 1104*799                 | 949*644*90       | 2000                           | 180                  | Yes      |
| 1049*744*460   | H14                    | Side                     | 500*200                 | 1104*799                 | 949*644*90       | 2000                           | 180                  | Yes      |

Pressure drop range: ±15%

According to clients' requirements offer different specifications

## Carbon fiber pleated filter

### Features

Multi-function  
Particle and odor remove  
Cheap price, low resistance, save budget  
Light weight, easily to install

### Description

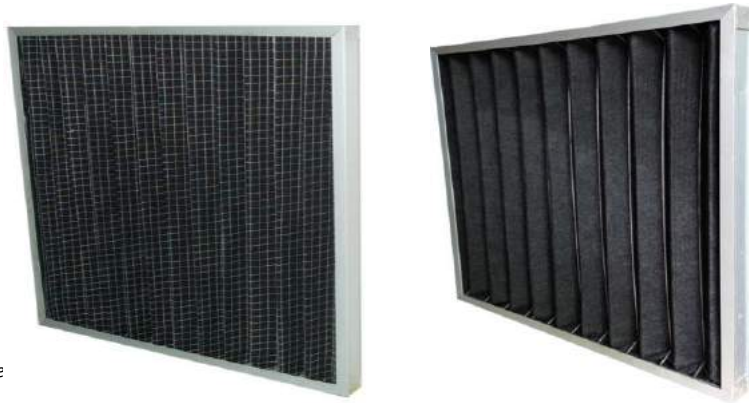
Filter media: carbon fiber  
Frame: aluminum alloy or gal steel  
Efficiency: G3 for particle  
Usage environment: highest temp 80 °C, humidity 80%  
Initial pressure drop: 40Pa  
Recommend final pressure drop: 350Pa  
Gasket: EVA, EVO, sponge or without  
Applications: Absorb benzene, oil, sulfur, dioxide, CS<sub>2</sub>, and other organic solvents in industrial air ventilation system

### Technical parameters

| Dimension ( mm ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Air flow rate / Initial pressure drop<br>( m <sup>3</sup> /h / Pa ) | Media area<br>( m <sup>2</sup> ) |
|------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|----------------------------------|
| 292*595*21       | 1000 / 65                                                           | 1500 / 90                                                           | 0.28                             |
| 495*595*21       | 1500 / 65                                                           | 2500 / 90                                                           | 0.47                             |
| 595*595*21       | 2000 / 65                                                           | 3000 / 90                                                           | 0.56                             |
| 290*595*46       | 1000 / 45                                                           | 1500 / 65                                                           | 0.46                             |
| 495*595*46       | 1500 / 45                                                           | 2500 / 65                                                           | 0.72                             |
| 595*595*46       | 2000 / 45                                                           | 3000 / 65                                                           | 0.92                             |
| 290*595*96       | 1000 / 35                                                           | 1500 / 50                                                           | 0.84                             |
| 495*595*96       | 1500 / 35                                                           | 2500 / 50                                                           | 1.40                             |
| 595*595*96       | 2000 / 35                                                           | 3000 / 50                                                           | 1.68                             |

Pressure drop range: ±15%

According to clients' requirements offer different specifications



## Odor remove pre filter

### Features:

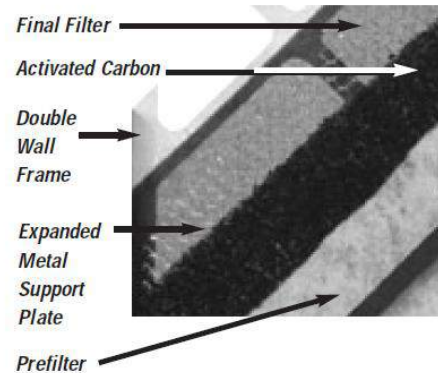
Multi-function  
Particle and odor remove  
3 layers of filtration

Panel filter layer combined with particle carbon layer  
Multifunction design, could remove particles efficiently, also could remove odors, smokes, dangerous gases with good performance.

First stage: polyester panel pre filter, for effective particulate collection.  
Second stage: Activated carbon particle remove odors, dangerous gases.  
Final stage: polyurethane foam, keep carbon particles from dislodged.

External frame: beverage card paper, aluminum alloy, gal steel.  
Efficiency: G3 for particle.  
Iodine value: 1050

Usage environment: highest temp 80 °C, humidity 80%  
Gasket: EVA, EVO, sponge or without  
Applications: air filter for school, market, office, house, airport HVAC system and so on. Remove odor, particle with good efficiency.



## High efficiency gas phase filter

### Features

Multi-function  
Particle and odor remove  
Low pressure drop, high air flow rate

This is multifunction air filter, not only could remove



particles with good efficiency from F7 to H13, also could remove smoke, odor, dangerous gases with good performance.

External frame: ABS plastic frame.

Filter media: non-woven polyester fiber with melt blown layer, coconut carbon granule inside.

Efficiency: F7 to H13 for particle.

Iodine value: 1050

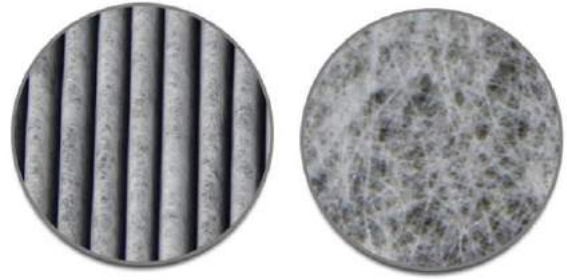
Usage environment: highest temp 80 °C, humidity 80%

Gasket: EVA or without

Separator: hot-melt gel

Sealant: polyurethane

Applications: air filter for school, market, office, house, airport HVAC system and so on, that can remove odor, particle with good efficiency.



## Honeycomb based carbon particle filter

### Features

Odor remove with good performance

Low pressure drop, high air flow rate

Long lasting time

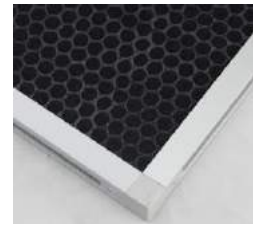
Easily to install

External frame: aluminum alloy frame or beverage paper.

Filter media: carbon granule

Iodine value: 1050 or 950

Usage environment: highest temp 80 °C, humidity 80%



## V Bank Carbon Filter

### Features

Multi-function

Particle and odor remove

Low pressure drop, high air flow rate

Multifunctional filter, not only could remove particles with good efficiency from F7 to H13, also could remove smoke, odor, Poisonous gases with good performance.

External frame: aluminum alloy, gal steel and so on.

Filter media: non-woven polyester fiber with melt blown layer, coconut carbon granule inside.

Efficiency: F7 to H13 for particle.

Iodine value: 1050

Usage environment: highest temp 80 °C, humidity 80%

Initial pressure drop: Pa

Recommend final pressure drop: Pa

Gasket: EVA or without

Separator: hot-melt gel

Sealant: polyurethane

Applications: air filter for school, market, office, house, airport HVAC system and so on.



## Aftermarket Filter for Blueair

1. This is aftermarket replacement HEPA filter for Blueair Air purifier series.
2. Available: Blueair 200 / 300 series, Blueair 400 series, Blueair 500 / 600 series.
3. 100% same function as the original Blueair HEPA filter.
4. OEM/ODM design, LOGO printing available.

External frame: beverage cardboard paper

Filter media: polyester

Separator: hot-melt gel

Gasket: sponge

Function: remove particle size over 0.3µm with 99.9% efficiency



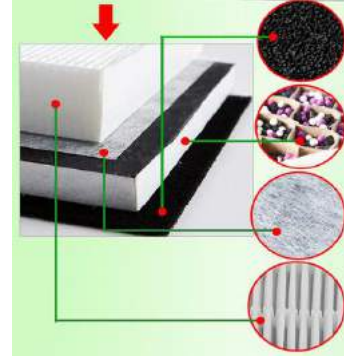
## Aftermarket Smokestop Filter for Blueair

1. This is aftermarket smokestop replacement filter for Blueair air purifier.
2. Available type: Blueair 200 / 300 series, Blueair 400 series, Blueair 500 / 600 series.
3. OEM/ODM design, LOGO printing available.
4. Real factory, competitive price.
5. 100% same function as the original filters.



External frame: beverage cardboard paper  
 Filter media: polyester + carbon granule with odor remove material + carbon sponge layer  
 Separator: hot-melt gel  
 Gasket: sponge  
 Function: remove particle size over 0.3 $\mu$ m with 99.9% efficiency, remove odor, smoke, dangerous gases.

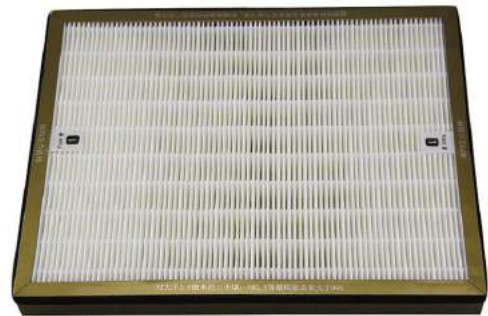
First layer: 90% efficiency polyester filter  
 Second layer: polyester coarse filter, prevent carbon release  
 Third: carbon particle + catalyst  
 Final layer: sponge based carbon



## Polyester Media HEPA Filter

This is customized HEPA filter for air purifier, with polyester media ensure low pressure drop and high air flow rate.  
 We could according to your request, offer customized service, make the replacement filter for most popular air purifier in the market.  
 Also, we could make HEPA filter for your air purifier in your brand.  
 The filter media arrange from polypropylene & polyester & glass fiber.  
 Good filter media recommend: melt-blown polyester paper made by 3M company.  
 Efficiency arrange from H10 to H14

External frame: beverage cardboard paper  
 Filter media: polyester  
 Separator: hot-melt gel  
 Gasket: sponge or EVO  
 Function: remove particle size over 0.3 $\mu$ m with 99.9% efficiency.

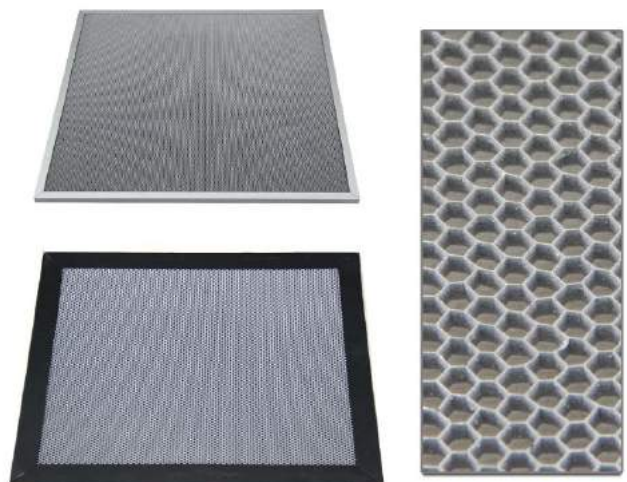


## Nano TiO<sub>2</sub> Photocatalyst Filter

Function: kill bacterial and virus, decompose VOC and the air.  
 Ensure the air with good quality.

Under the effect of illumination, the Nano TiO<sub>2</sub> photocatalyst decompose H<sub>2</sub>O become some stronger oxidization property material. Those stronger oxidization property material can oxidate bacteria and virus, decompose VOC in the air.

Normal construction: aluminum honeycomb based, painted the TiO<sub>2</sub> on the surface.  
 Advantages: large superficial area  
 Aluminum material could bear high temperature when under the UV light  
 Frame: beverage card paper



## Cold Catalyst Filter

Function: kill bacterial and virus, decompose VOC and the air.  
Ensure the air with good quality.

Cold catalyst filter could decompose H<sub>2</sub>O become some stronger oxidization property material naturally. Those stronger oxidization property material can oxidate bacteria and viruses, decompose VOC in the air.

Normal construction: aluminum honeycomb based, painted the cold catalyst on the surface.

Sponge based, with cheaper price.

Advantages: large superficial area, no need the illumination

Frame: beverage card paper.



## Fresh Air Ventilation Unit Filter Kit

This is customized filter for air ventilation unit.  
We could according to your request, offer customized service, make the replacement filter for most popular air ventilation unit in the market.  
The filter media is polypropylene (PP) or polyester (PET), with good performance, lower pressure drop than glass fiber and higher air flow rate.  
Efficiency arrange from F7  
Also, with one/two piece G3 /G4 synthetic fiber media that can remove large particles and expand the service life the F7 filter.

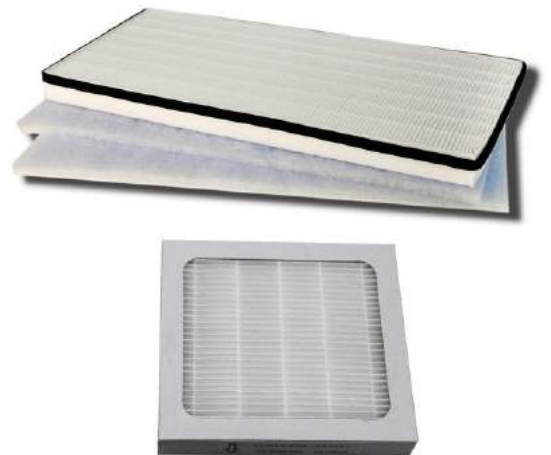
External frame: beverage cardboard paper

Filter media: polypropylene or polyester + G3 / G4 synthetic filter media.

Separator: hot-melt gel

Gasket: sponge or EVO or without

Function: for fresh air ventilation unit



## Carbon + HEPA Combined Filter Kit

Function: remove particles diameter over 0.3μm with 99.9% efficiency, remove odor, smoke, dangerous gases.

This is customized filter for air purifier, HVAC, and so on.  
We could according to your request, offer customized service, make the replacement filter for most popular air purifier and common size fit for HVAC system.

The filter media: high quality carbon particle (Iodine value 1050) and HEPA filter (polyester)

Normal construction: plastic or cardboard paper honeycomb based, with high performance carbon particle inside. Nylon mesh be pasted on the two side ensure no leakage of carbon.

The other layer is HEPA filter, polyester filter media, hot-melt gel separator.

External frame: beverage cardboard paper

Filter media: polyester + particle carbon.

Separator: hot-melt gel

Gasket: sponge or EVO or without



## Carbon Filter for Car Ventilation

Function: remove odor, smell, poisonous gases in the car.  
The filter be installed in the car ventilation, could improve the air quality.  
Filter material: activated carbon particle. ( Iodine 1050 )  
Or polyester melt-brown layer with carbon granule inside.  
External frame: beverage cardboard paper  
Customized design available.



## HEPA filter for Car Ventilation

Function: remove particles PM2.5 in the car efficiently, improve the air quality.  
The filter be installed in the car ventilation, could improve the air quality.  
Filter material: polyester  
External frame: beverage cardboard paper  
Customized design available.



## Multi-Function Filter for Car Ventilation

This multi-function filter design, combine carbon layer and HEPA layer together, the filter not only remove odors, poisonous gases, but also could remove pollen, dust, micro particles and so on.



## Synthetic Fiber Media Roll

Function: remove particles size over 0.5μm with efficiency 40%、65%、80%、90% or EN779 Standard G1, G2, G3, G4.  
for some heavy duty of particle filter, this is the material for pre panel filter, pleated pre filter and so on.  
Main component PET ( polyester ) and PP ( polypropylene )  
Aircraft: non-woven  
Standard width 1m, 1.2m. thickness: 5mm, 10mm, 15mm, 20mm.  
Could be provide into square piece or roll.  
Feature: heavy dust holding capacity, low resistance, long lasting time, economic.  
Without silicon, could bear chemical material, acid smoke effect.



| Item No     | Size (W*L)   | Thickness | Velocity / Pressure (m/s / pa) | Final pressure drop ( Pa ) | Efficiency ( class ) |    | Dust holding ( g ) | Weight ( g / m <sup>2</sup> ) |
|-------------|--------------|-----------|--------------------------------|----------------------------|----------------------|----|--------------------|-------------------------------|
| SAF-AZ-150G | 2*20<br>1*20 | 12mm      | 0.6 / 15                       | 200                        | 75%                  | G3 | 276                | 150                           |
| SAF-AZ-100G |              | 10mm      | 2 / 18                         |                            | 65%                  | G2 | 235                | 100                           |
| SAF-AZ-200G |              | 15mm      | 0.5 / 16                       |                            | 82%                  | G4 | 305                | 200                           |
| SAF-AZ-250G |              | 15mm      | 0.4 / 17                       |                            | 85%                  | G4 | 345                | 250                           |
| SAF-AZ-300G |              | 18mm      | 0.45 / 16                      |                            | 88%                  | G4 | 385                | 300                           |
| SAF-AZ-150G |              | 13mm      | 0.6 / 15                       |                            | 72%                  | G3 | 254                | 150                           |
| SAF-AZ-200G |              | 15mm      | 0.55 / 15                      |                            | 77%                  | G4 | 285                | 200                           |

Pressure drop range: ±15%

According to clients' requirements offer different specifications