

# KDAF

THE BETTER AIR FILTER



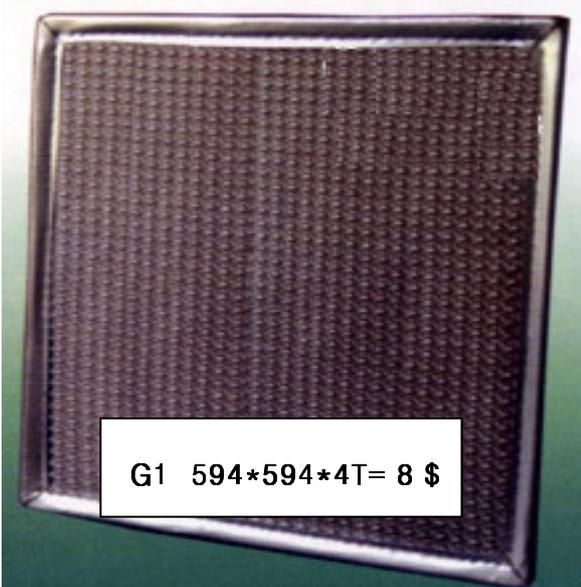
# KDAF

DAE YOUNG AIR FILTER Co,Ltd

www.dy-filter.com

T filter manager & Writer jin.young.kim R

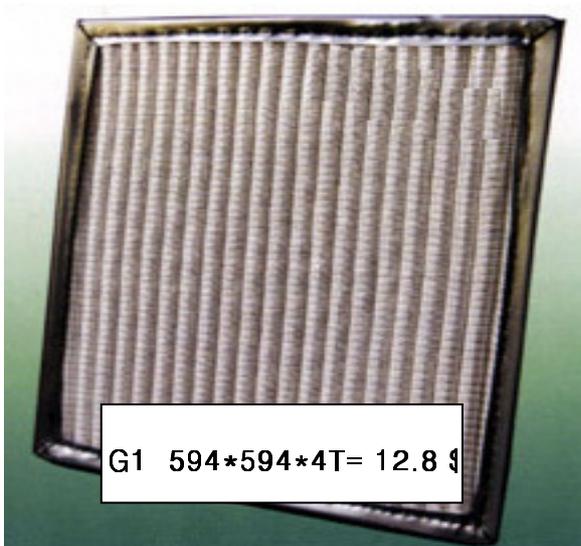
## Vinyl Chloride Filter (AIRCON,FCU)



G1 594\*594\*4T= 8 \$

▶ Filter for the first treatment& used for the purpose of protection of harmful insect. Easy for using& Cleaning, thus easy item to access to everybody. Also, various uses such as home air-conditioner/ FCU/ FILTER for protecting harmful insect/sand filter., etc. since developed time of this item is too passed long time, substitute one is hard to find. ▶ Efficiency : A.F.I 20% ▶ Pressure : 3 mmaq

## Vinyl Chloride Filter ( AIRCON,FCU)



G1 594\*594\*4T= 12.8 \$

▶ Filter of the expanded air volume of First Filter in huge. Consist of weaving fabric which can absorb a lot of air-volume in even narrow space. Easy for using&cleaning thus easy item access to everybody. Also various uses such as home air-conditioner/ FCU/ FILTER for protecting harmful insect/ sand filter., etc. This item has a weak point to temperature. Also, This item has better heat resisting property than the filter of general air-conditioner. ▶ Efficiency : A.F.I 20% ▶ Pressure : 3 mmaq

**PRE FILTER**



**G3 594\*594\*50T= 8.7 \$**

- ▶ Filter for the first treatment & commercialized for the purpose of the protection of the second Filter. Also, possible for the collection of minute dust of 10 μm & possible for reuse.
- ▶ Efficiency : A.F.I 85%
- ▶ Pressure : 8 mmaq

**THE BETTER AIR FILTER**

**PRE FILTER**

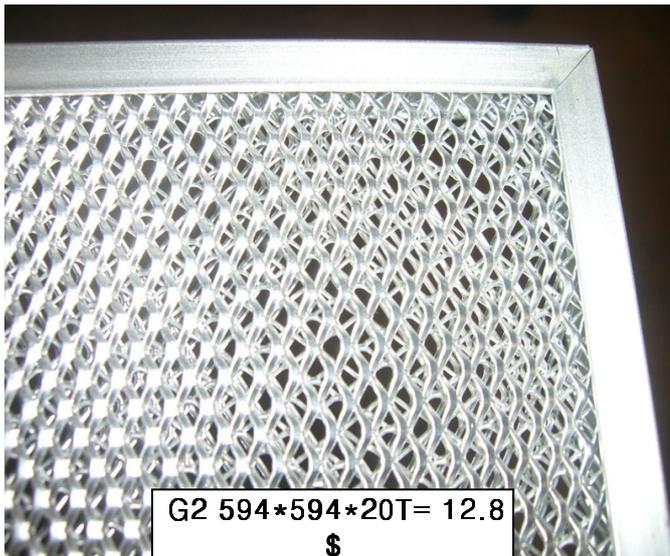


**G3 594\*594\*10T= 5.5 \$  
G3 594\*594\*20T= 6.2 \$  
G3 594\*594\*25T= 7 \$**

- ▶ Filter for the first treatment. Commercialized for the purpose of protection of equipment with the elimination of fraction. This item collect 50 μm over of minute dust in minimum air flow & possible for reuse for a long time.
- ▶ Efficiency : A.F.I 85%
- ▶ Pressure : 9 mmaq

**THE BETTER AIR FILTER**

**Mesh Filter**

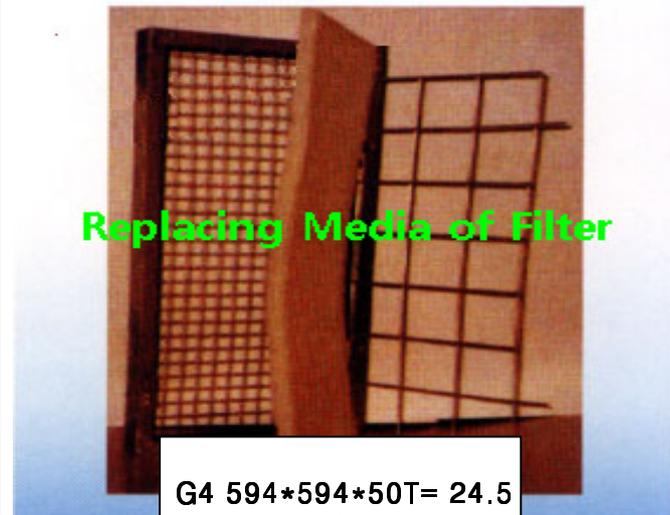


**G2 594\*594\*20T= 12.8 \$**

- ▶ Filter for the first treatment & this item is commercialized for the purpose of the protection of the Second Filter. Available for the collection of minute dust of 10 μm over & possible for reuse. Also, possible for the extension of using period as replace Media of the item.
- ▶ Efficiency : A.F.I 25%
- ▶ Pressure : 4 mmaq

**THE BETTER AIR FILTER**

**Replacing Media of Filter**



**G4 594\*594\*50T= 24.5**

- ▶ The first treatment Filter of Media exchanging type is commercialized for the purpose of the protection of the Second Filter. Available for the collection of 10 μm over of minute dust & Possible for reuse. Also, can extend of using period as exchange media of the item. Possible for the attachment or removing of non woven fabric & easy & easy exchanging of media.
- ▶ Efficiency : A.F.I 85%
- ▶ Pressure : 9 mmaq

**THE BETTER AIR FILTER**

**Paper Pre-Filter**

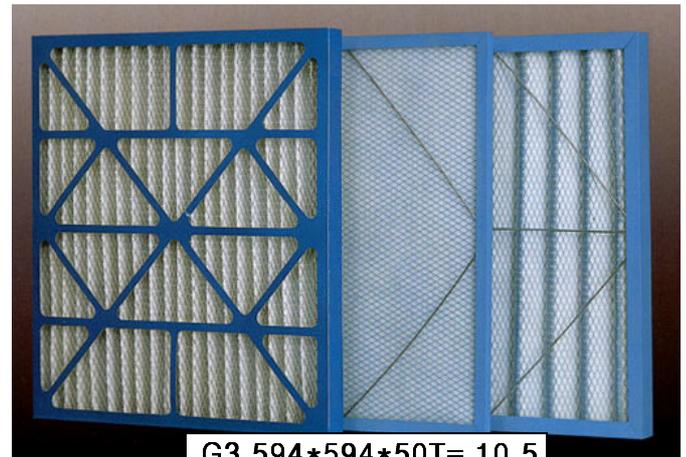


▶ Filter for the first treatment & commercialized for the purpose of the protection of the second Filter. The Filter with low static pressure & high collection power. Also, this item is light in weight & as possible for 100% of incineration, so, reduce the waste cost.

- ▶ Efficiency : A.F.I 70~ 85%
- ▶ Pressure : 7 mmaq

**THE BETTER AIR FILTER**

**Paper Pre-Filter**



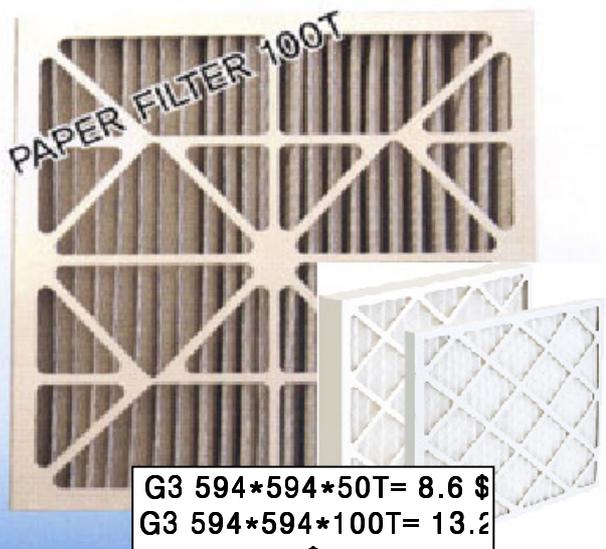
G3 594\*594\*50T= 10.5 \$

▶ Filter for the first treatment & commercialized for the purpose of the protection of the second Filter. The Filter with low static pressure & high collection power. Also, this item is light in weight & as possible for 100% of incineration, so, reduce the waste cost.

- ▶ Efficiency : A.F.I 70~ 85%
- ▶ Pressure : 7 mmaq

**THE BETTER AIR FILTER**

**Paper Pre-Filter**

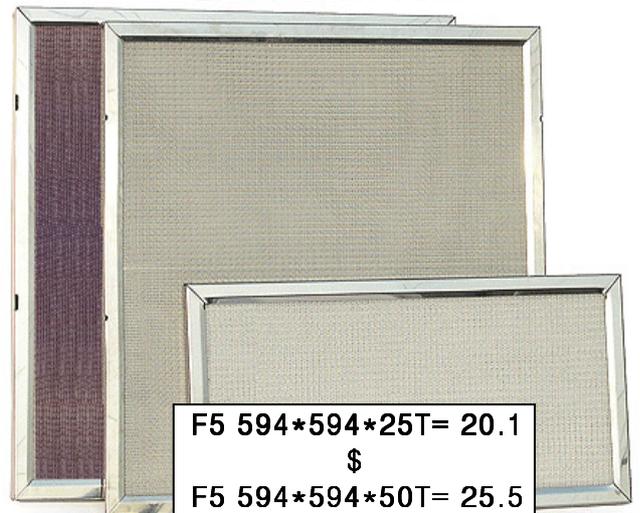


▶ Filter for the first treatment & commercialized for the purpose of the protection of the second Filter. The Filter with low static pressure & high collection power. Also, this item is light in weight & as possible for 100% of incineration, so, reduce the waste cost.

- ▶ Efficiency : A.F.I 70~ 85%
- ▶ Pressure : 7 mmaq

**THE BETTER AIR FILTER**

**Electrostatic Filter**



F5 594\*594\*25T= 20.1 \$  
F5 594\*594\*50T= 25.5 \$

- ▶ A weak point : less efficiency comparing to high function filter.
- Increasing durability with strong structure.
- No harmful for the human body by taking account of static electricity
- Collect harmful insect for the human body by increasing anti-bacterial power.

- ▶ Efficiency : N.B.S 60~ 90%
- ▶ Pressure : 11 mmaq

**THE BETTER AIR FILTER**

**Medium Filter (Cell-Type)**



**F7 594\*594\*150T= 25.2 \$**  
**F7 594\*594\*202T= 32.1 \$**

▶As the normal efficiency of "Medium Filter" N.B.S Test is 60%- 95%, it is medium& high efficiency filter. There are Box /Pocket or Header types according to interior Shape of Filter. Air filtration for Building, used as final filter in industrial factory/clean room. Used as HEPA PRE- FILTER in the field of precious machinery industry

- ▶ Efficiency : N.B.S 60~ 90%
- ▶ Pressure : 13~ 17 mmaq

**Medium Filter (Mini-Type)**

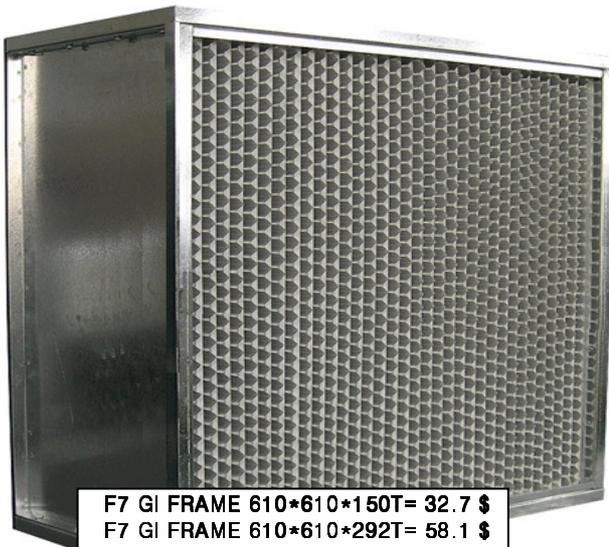


**F7 594\*594\*75T= 27.3 \$**  
**F7 594\*594\*100T= 30 \$**

▶As the normal efficiency of "Medium Filter" N.B.S Test is 60%- 95%, it is medium& high efficiency filter. There are Box /Pocket or Header types according to interior Shape of Filter. Air filtration for Building, used as final filter in industrial factory/clean room. Used as HEPA PRE- FILTER in the field of precious machinery industry

- ▶ Efficiency : N.B.S 60~ 90%
- ▶ Pressure : 13~ 17 mmaq

**Medium Filter (Cell box Type)**

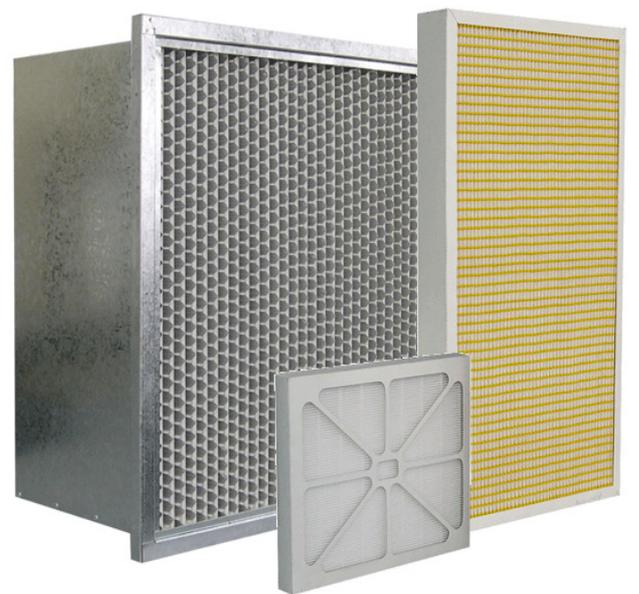


**F7 GI FRAME 610\*610\*150T= 32.7 \$**  
**F7 GI FRAME 610\*610\*292T= 58.1 \$**  
**F7 PB FRAME 610\*610\*150T= 25 \$**  
**F7 PB FRAME 610\*610\*292T= 40 \$**

▶Air filtration for Building, used as final Filter in industrial factory/ Clean room. used for PRE- FILTER in the field of precious machinery manufacturing factory.

- ▶ Efficiency : N.B.S 60~ 90%
- ▶ Pressure : 13~ 17 mmaq

**Medium Filter (Cell box Type)**



▶Using as Final Filter for Building Air filtration located seaside. Using as the first treatment of HEPA FILTER in clean room/ precious machinery industry.

- ▶ Efficiency : N.B.S 60~ 90%
- ▶ Pressure : 13~ 17 mmaq

### V-Bank Medium Filter

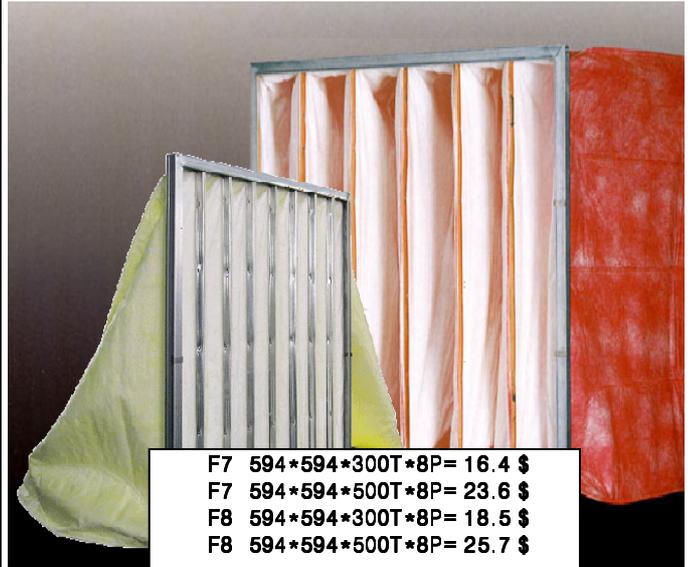


F7 P.P FRAME 610\*610\*292T= 82 \$  
8TRAY

- ▶ V- BANK FILTER has high collection efficiency&the damage of static pressure is low & has no dust on extra.
- ▶ Efficiency : N.B.S 60~ 90%
- ▶ Pressure : 13~ 17 mmaq

THE BETTER AIR FILTER

### Bag-Type Medium Filter



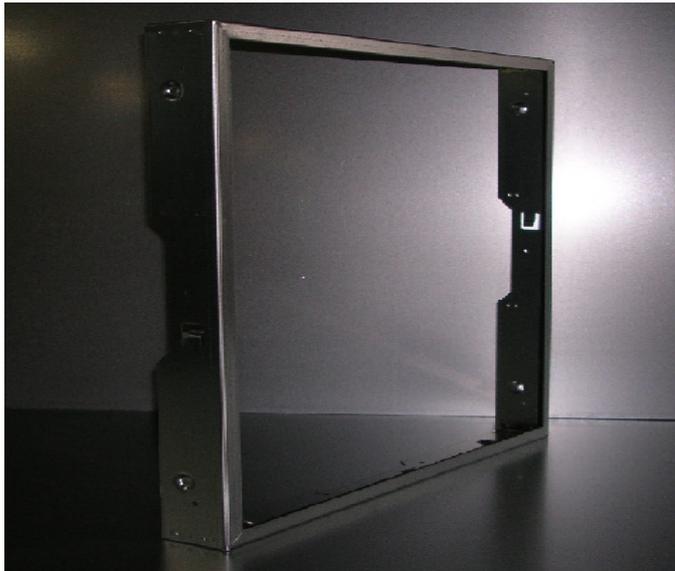
F7 594\*594\*300T\*8P= 16.4 \$  
F7 594\*594\*500T\*8P= 23.6 \$  
F8 594\*594\*300T\*8P= 18.5 \$  
F8 594\*594\*500T\*8P= 25.7 \$

- ▶ BAG FILTER has high collection efficiency ratio& low damage of static pressure. Also, FTY- BAG has unique structure in its" design& produced of which is not dust repeat scattering . Generally, used as PRE- FILTER FOR HEPA FILTER & applicated for Ventilation system of Building & Factory.

- ▶ Efficiency : N.B.S 60~ 90%
- ▶ Pressure : 13~ 17 mmaq

THE BETTER AIR FILTER

### Holding Frame



- ▶ Use: As a Frame supporting Filter , protect fall- away from filter. produced for the purpose of protection of fall- away of filter & moisture of air. Holding Frame is multi- connected with ventilation system& duct. this is treated as basic supporter& also a essential component of Filter. Holding

THE BETTER AIR FILTER

#### ▶ Headquarter& First Factory

232-2, Mang Woo Dong, Jung Rang-Gu, Seoul, Korea.

Web-Site : [www.dy-filter.co.kr](http://www.dy-filter.co.kr) ,[www.dy-filter.com](http://www.dy-filter.com)  
TEL: 82-2-438-6882,2212,2291,  
FAX: 82-2-438-2213

#### ▶ Second Factory

46-12, Song Chun Ri, Su Dong Myeun, Namyangju city, KeonggiDo, Korea.

TEL : 82-31-593-6010 FAX : 82-31-595-6889  
TEL : 82-31-593-4758 FAX : 82-31-559-6541

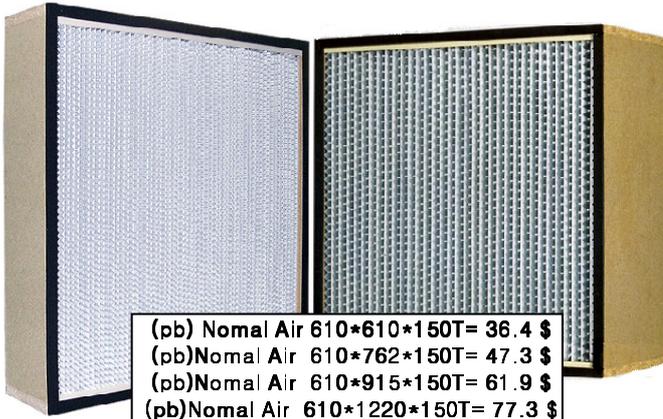
#### ▶ Third Factory

13, Sunsangru, buksoyoiung jin, suneui gu, Beijing, China.

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filter manager & Writer jin.young.kim

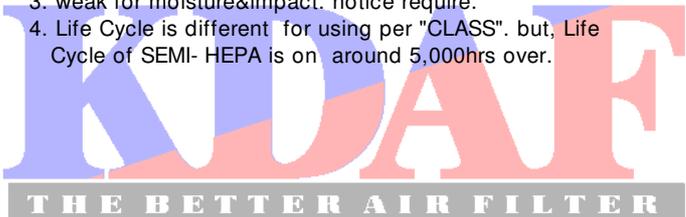
### HEPA Filter (Wood)



(pb) Nomal Air 610\*610\*150T= 36.4 \$  
 (pb)Nomal Air 610\*762\*150T= 47.3 \$  
 (pb)Nomal Air 610\*915\*150T= 61.9 \$  
 (pb)Nomal Air 610\*1220\*150T= 77.3 \$  
 (pb)Nomal Air 610\*610\*292T= 68.2 \$

►Characeter

1. DOP 0.3  $\mu\text{m}$  particles Efficiency 99.97% over collected.
2. Possible for the production with extend media as suitable filter to the site where for treatment of great air flow at one time.
3. weak for moisture&impact. notice require.
4. Life Cycle is different for using per "CLASS". but, Life Cycle of SEMI- HEPA is on around 5,000hrs over.

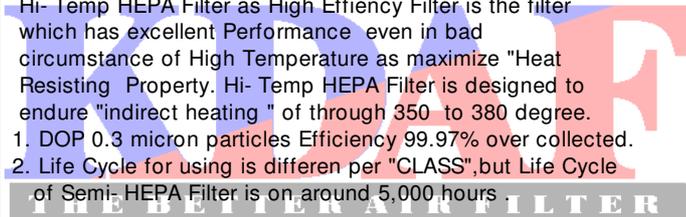


### Hi-Temp HEPA Filter



►Characeteristic

- Hi- Temp HEPA Filter as High Efficiency Filter is the filter which has excellent Performance even in bad circumstance of High Temperature as maximize "Heat Resisting Property". Hi- Temp HEPA Filter is designed to endure "indirect heating " of through 350 to 380 degree.
1. DOP 0.3 micron particles Efficiency 99.97% over collected.
  2. Life Cycle for using is differen per "CLASS",but Life Cycle of Semi- HEPA Filter is on around 5,000 hours .



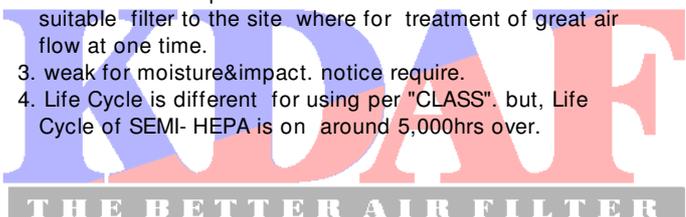
### HEPA Filter (Aluminium)



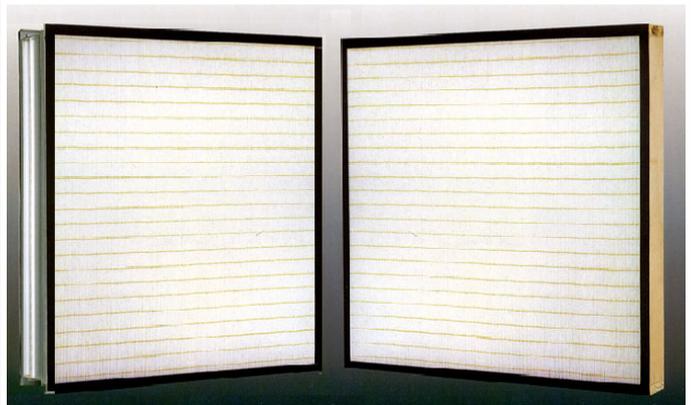
(al)Nomal Air 610\*610\*150T= 49.1 \$  
 (al)Nomal Air 610\*762\*150T= 56.4 \$  
 (al)Nomal Air 610\*915\*150T= 66.4 \$  
 (al)Nomal Air 610\*1220\*150T= 80 \$  
 (al)Nomal Air 610\*610\*292T= 77.2 \$

►Characeteristic

1. DOP 0.3  $\mu\text{m}$  particles Efficiency 99.97% over collected.
2. Possible for the production with extend media as suitable filter to the site where for treatment of great air flow at one time.
3. weak for moisture&impact. notice require.
4. Life Cycle is different for using per "CLASS". but, Life Cycle of SEMI- HEPA is on around 5,000hrs over.



### HEPA Filter (Mini)

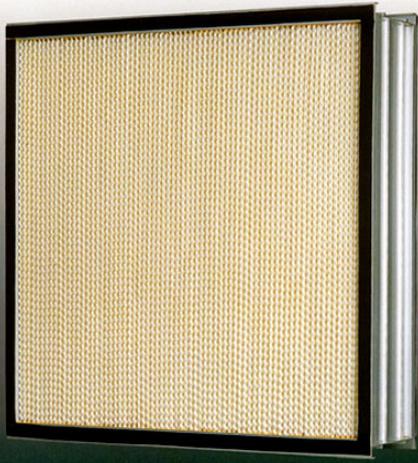


►Use coverage

Used for LCD Manufacturing Factory / Electronic industry / IC Industry / Nuclear Power Facilities/Optical industry/Food Industry/ Hospital in facilities high clean efficiency required



**ULPA Filter**

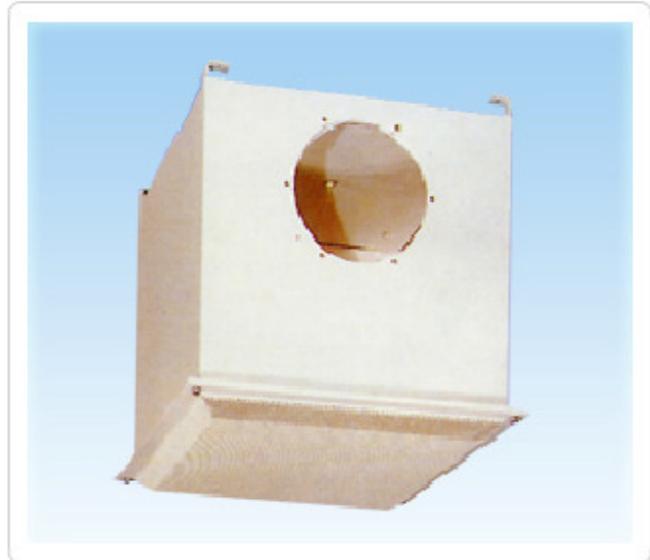


►Charateristic

1. Paticle protecion(0.12- 0.17um) particles  
Efficiency: 99.9995% over collected.
2. Clean Room Class 1~100
3. Applied for IC/LCD production Line.

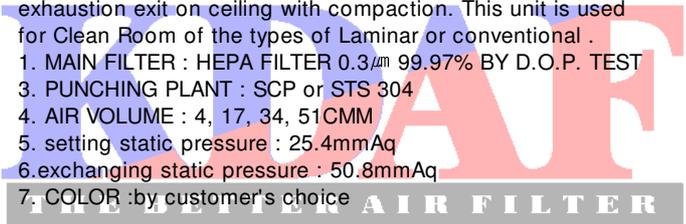


**HEPA FILTER UNIT**

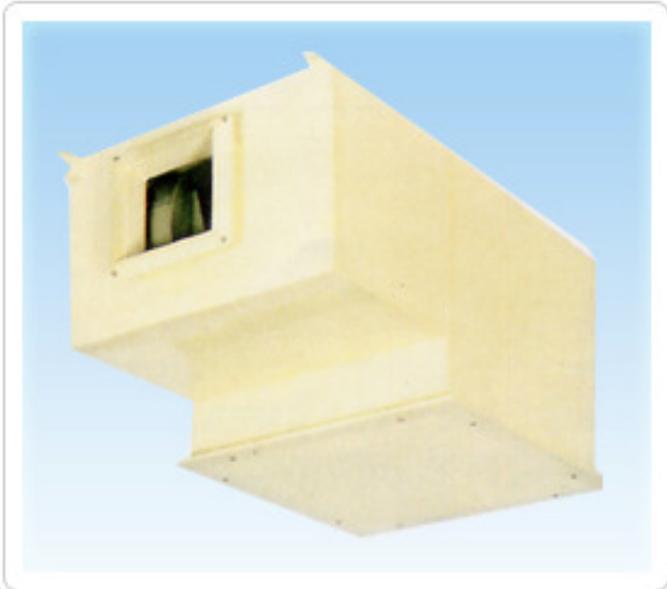


►As the unit of built-in "HEPA FILTER & BLOWER", it is fixed to exhaustion exit on ceiling with compaction. This unit is used for Clean Room of the types of Laminar or conventional.

1. MAIN FILTER : HEPA FILTER 0.3 $\mu$ m 99.97% BY D.O.P. TEST
3. PUNCHING PLANT : SCP or STS 304
4. AIR VOLUME : 4, 17, 34, 51CMM
5. setting static pressure : 25.4mmAq
6. exchanging static pressure : 50.8mmAq
7. COLOR : by customer's choice

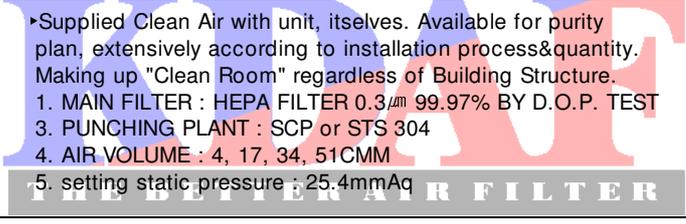


**BLOWER FILTER UNIT**



►Supplied Clean Air with unit, itselfs. Available for purity plan, extensively according to installation process&quantity. Making up "Clean Room" regardless of Building Structure.

1. MAIN FILTER : HEPA FILTER 0.3 $\mu$ m 99.97% BY D.O.P. TEST
3. PUNCHING PLANT : SCP or STS 304
4. AIR VOLUME : 4, 17, 34, 51CMM
5. setting static pressure : 25.4mmAq



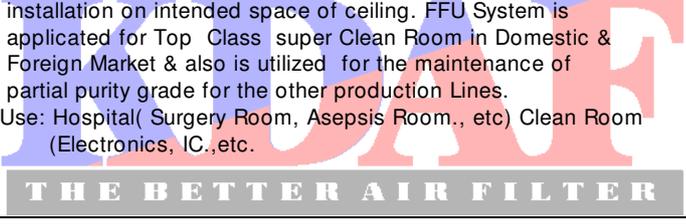
**Fan Filter Unit (FFU)**

■Standard Type FFU 600(L)×600(W) (2'×2')



■Standard Type FFU 900(L)×600(W) (3'×2')

►FFU System is a constructure of standarized unit by free installation on intended space of ceiling. FFU System is applied for Top Class super Clean Room in Domestic & Foreign Market & also is utilized for the maintenance of partial purity grade for the other production Lines.  
Use: Hospital( Surgery Room, Asepsis Room., etc) Clean Room (Electronics, IC.,etc.



**▶ Headquarter& First Factory**

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**▶ Third Factory**

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