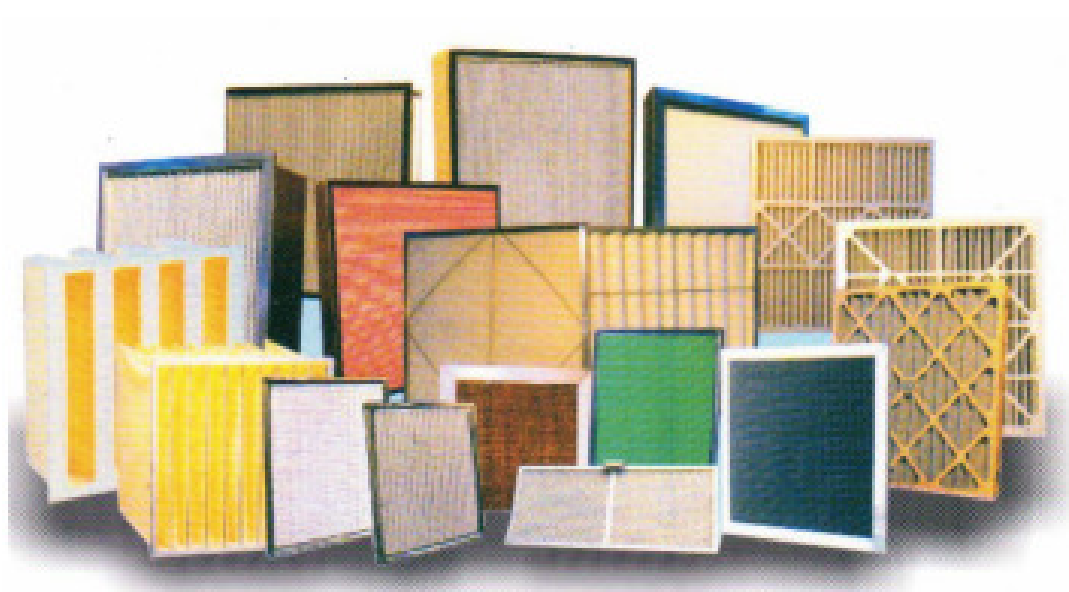


# KDAF

THE BETTER AIR FILTER



DAE YOUNG AIR FILTER Co , Ltd  
[www.dy-filter.com](http://www.dy-filter.com)

## Company History

1. Company Name : Dae Young Air-Filter Co., ltd

2. Establishment : 16.May, 1985

3. Pesident : Jin Young , Kim

4. Location

▶ 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)

T E L : 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.

T E L : 82-31-593-6010 FAX : 82-31-595-6889

T E L : 82-31-593-4758 FAX : 82-31-559-6541

▶ Third Factory

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

Web-Site : [www.daningfilter.com](http://www.daningfilter.com)

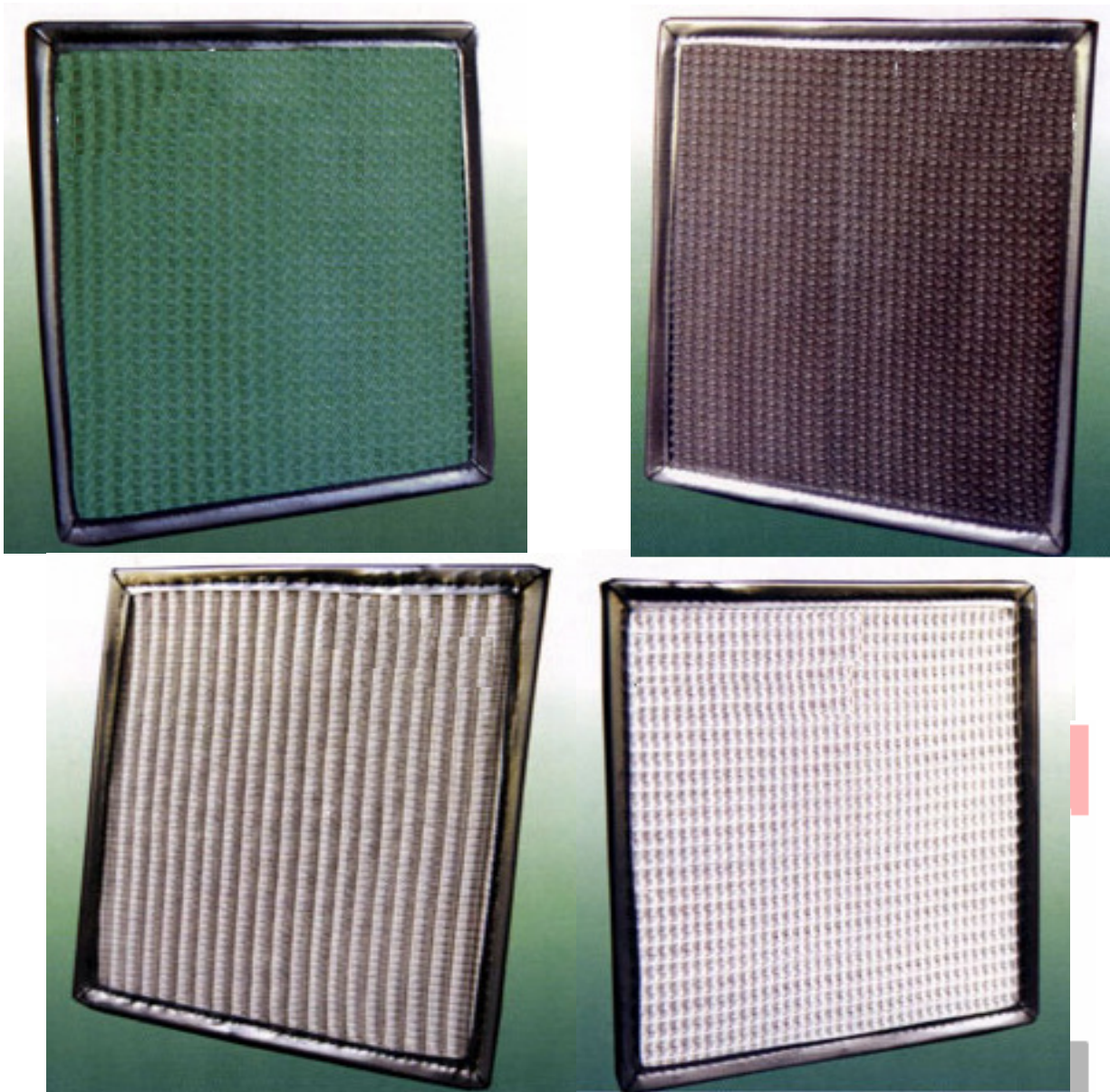
T E L : 8610-6946-8873 F A X : 8610-6048-6338

## Major Business Record

1990. 01 ~2010 Delivery of Filter to "Beom Yang Air-Conditioning System".
1997. 05 ~2010 Delivery of Fan Coil Unit to "Sin Woo Ventilation System".
2007. 01 ~2010 Delivery of Fan Coil Unit to "Cricket Boiler".
1996. 05 ~2010 Delivery of Fan Coil Unit to "Century Air-conditioner".
2002. 01 ~2010 Delivery of Filter for Air-conditioning System to "Korea Broadcasting Sysyem".
2003. 06~ 2010 Delivery of Filter for Air-conditioning System to "Samsung Life Insurance Headquarter Building& the other building the related".
2003. 10~ 2010 Delivery of Filter to" Yong San& PeongTaek American Military Camp".
2008. 08~ 2010 Business Cooperation with "SK Telecom for Filter Supply by ORM.
2007. 12~ 2010 Agreement with "Seoul Facility Coperation" for Filter Replacement.
2009. 03 Project with Subway coperation for Air Purification
2009. 04 Agreement with "Hyundai Heavy Industry" for the supply of 6G-Pannel Type Filter of Robot System Plan".
2009. 05 Agreement of the supply uninteruptable Medium with Major Department.
2009. 07 Successful Bidding with " National Information Agency" for the supply of Filter.
2009. 08 Acceptance from "Kang Won University" for the supply of Filter for Clean Room.
2009. 09 Agreement of the supply Filter with National KT Sever Type of Automobile Coating Factory( OEM Basis).
2009. 09 The replacement of Filter- "Banking Spervision Board"
2009. 10 The replacement of Filter for 63 Building.
2009. 11 Delivery of HEPA FILTER in clean room to "Samsung TecWin" .
- 2010.1 : Acceptance of Filter replacement by Several Universities.

# Vinyl Chloride Filter (AIRCON,FCU)

20~30 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT



## Characteristic & Use

Filter for the first treatment& used for the purpose of protection of hamful insect. Easy for using& Cleaning, thus easy item to access to everybody. Also,various uses such as home air-conditioner/ FCU/ FILTER for protecting hamful insect/sand filter., etc. since developed time of this item is too passed long time, substitute one is hard to find. A strong point for this item is high durability& anti-water power, thus used for Cleaning/chemical material., etc. Otherwise, this item has a weak point to temperature.

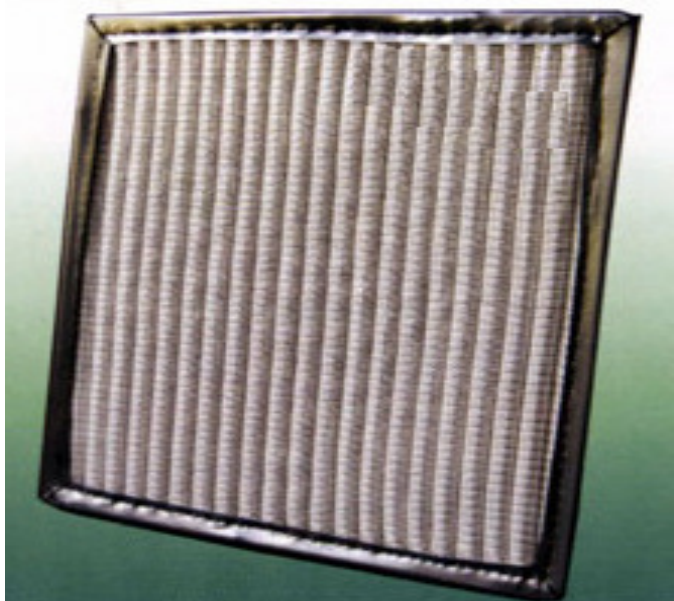
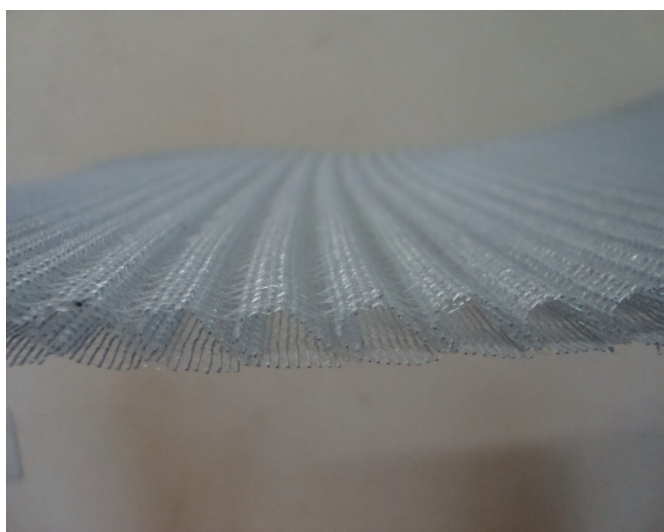
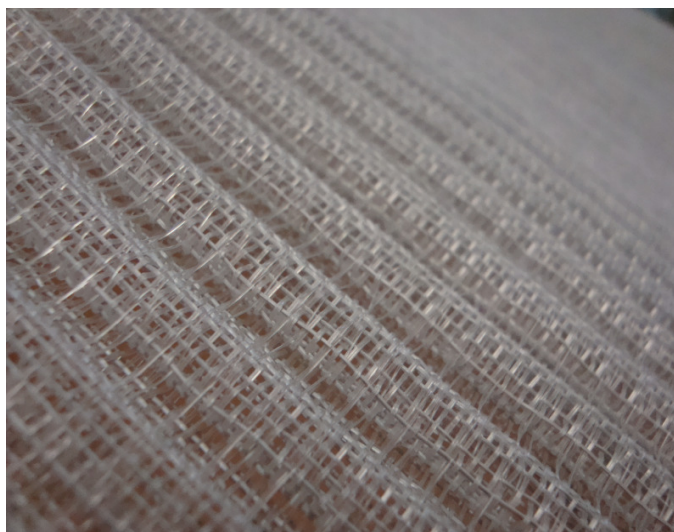
## Materials & Specification

M E D I A	V i n y l C h l o r i d e N e t
F R A M E	Ø3, Ø4, Ø5 I o n M e t a l
표준풍속	2.5m /sec
P r e s s u r e D r o p	2.0m m A q
E f f i c i e n c y ( % )	40% ( A F I T e s t )



## C-CELL Vinyl Chloride Filter(AIRCON,FCU)

20~30 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT



### Characteristic & Use

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. Since developed time of this item is too passed, substitute one is hard to find. A strong point for this item is high durability&anti-water power, thus, used for cleaning /chemical material.,etc. Otherwise. This item has a weak point to temperature. Also, This item has better heat resisting property than the filter of general air-conditioner .

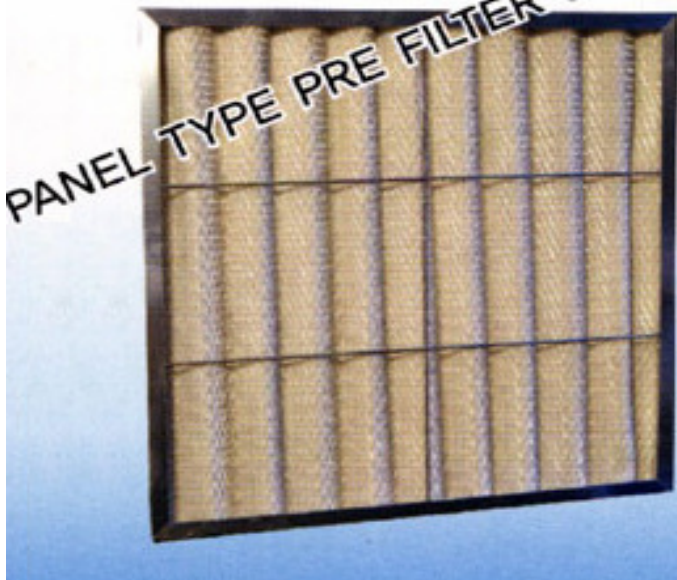
### Materials & Specification

M E D I A	V i n y l C h l o r i d e N e t
F R A M E	Ø3 , Ø4 , Ø5 I o n M e t a l
표준풍속	2.5m /sec
Pressure Drop	2.0m m A q
Efficiency( % )	40% (A F I Test)

## Pre Filter 50T

65~85 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT

PANEL TYPE PRE FILTER 50T



### Characteristic & Use

#### ● Characteristic & Use

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 10mm & possible for reuse.

#### ● Notice

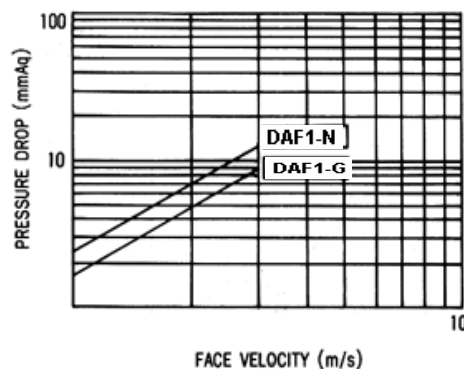
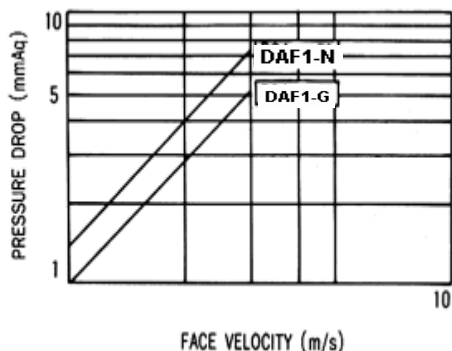
No using instructions.

In case of reuse two times over, there is a problem with its' performance due to the increase of load. thus, the reviewing required for reuse.

### Materials & Specification

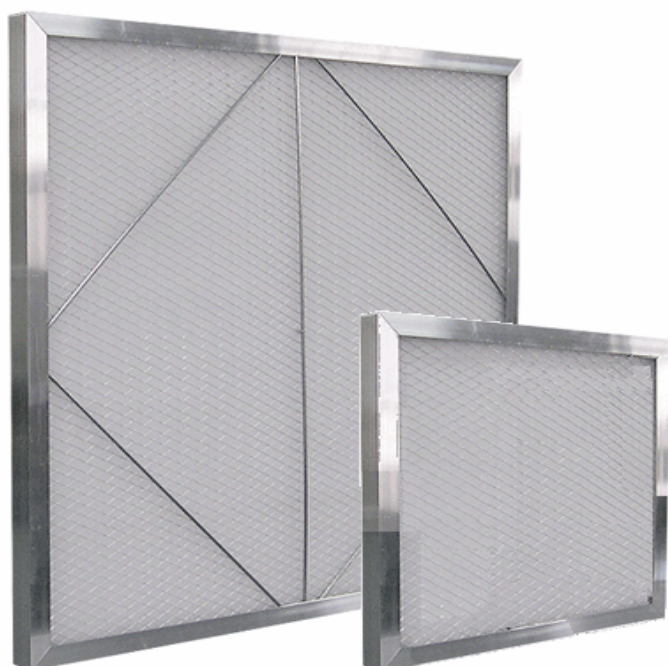
MEDIA		Glass fiber			Non Woven fiber			
FRAME		Al	SUS	Al	SUS			
REUSABLE		No			Yes			
MAX. TEMP.		100℃						
MAX.HUMIDITY		100%RH						
Model	Fiber	Dimension(mm)				Q(cmm)	Average Collection Effi.(%)	Pressure Drop (mmAq)
		H	W	D	Media Thickness			
KDAF1-@	Glass fiber	594	594	25	25	50	85	4
				50	50	56	85	6
		610	610	25	25	50	85	4
				50	50	56	85	6
	Non-Woven	594	594	25	25	56	85	9.5
				50	10	56	85	6.5
		610	610	25	25	56	85	9.5
				50	10	56	85	6.5

### Face Velocity & Pressure Drop



# Pre Filter 25T

65~85 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT



## Characteristic & Use

### ● Characteristic & Use

Filter for the first treatment. Commercialized for the purpose of protection of equipment with the elimination of fraction. This item collect 50mm over of minute dust in minimum air flow&possible for reuse for a long time.

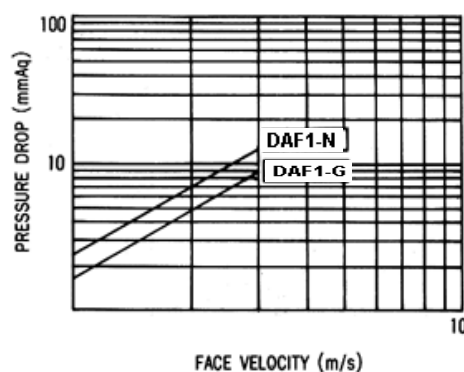
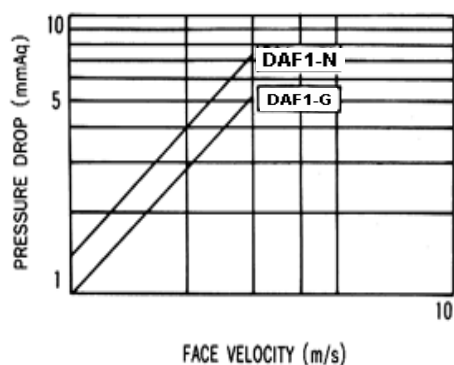
### ● Notice

No special instruction in use& useful item for rather the treatment of fraction& water processing than the collection of minute dust.

## Materials & Specification

MEDIA		Glass fiber			Non Woven fiber			
FRAME		Al	SUS		Al	SUS		
REUSABLE		No			Yes			
MAX. TEMP.		100℃						
MAX.HUMIDITY		100%RH						
Model	Fiber	Dimension(mm)				Q(cmm)	Average Collection Effi.(%)	Pressure Drop (mmAq)
		H	W	D	Media Thickness			
KDAF1-01	Glass fiber	594	594	25	25	50	85	4
				50	50	56	85	6
		610	610	25	25	50	85	4
				50	50	56	85	6
	Non-Woven	594	594	25	25	56	85	9.5
				50	10	56	85	6.5
		610	610	25	25	56	85	9.5
				50	10	56	85	6.5

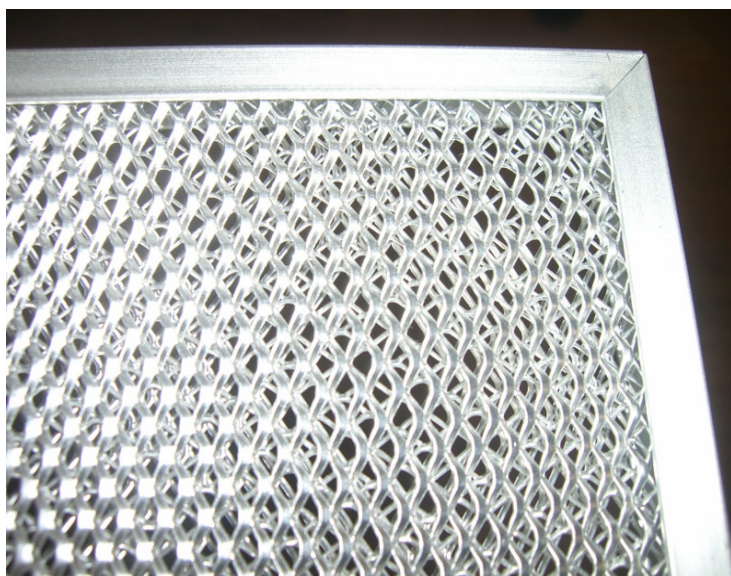
## Face Velocity & Pressure Drop





# Mesh Filter

25 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT



## Characteristic & Use

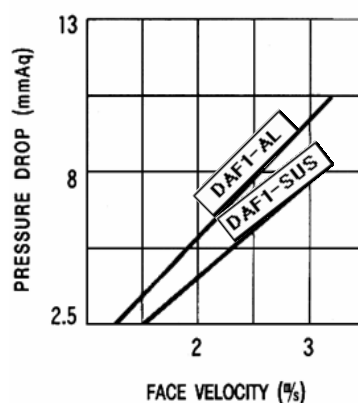
- **Characteristic & Use**  
Filter for the first treatment& this item is commercialized for the purpose of the protection of the Second Filter. Available for the collection of minute dust of 10mm over& possible for reuse. Also, possible for the extension of using period as replace Media of the item.

- **Notice.**  
No special instruction in use& needed the preparation of the wastes due to the exchange of Media during use

## Materials & Specification

COMPONENTS			Designation						
MEDIA			AL , SUS						
SEPARATOR			None						
FRAME			AL , SUS						
MEDIA BACKER			Eelctro finish expanded metal						
MAX. TEMP.			150 °C						
MODEL	Fiber	Q(cmm)			Pressure drop (mmAq)		Dimension(mm)		
		1.5(m/s)	2.5(m/s)	3.2(m/s)	Initial 1.5/2.5/3.2	Final	H	W	D
DAF1-AL	AL	35	56	70	3/7/10	254	594	594	25
DAF1-AL					3/6/8				50
DAF1-SUS	SUS	17	28	35	3/7/10	254	610	610	25
DAF1-SUS					3/6/8				50

## Face Velocity & Pressure Drop





# Replacing Media of Filter

65~85 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT



## Characteristic & Use

### ● Characteristic & Use

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 10mm 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.

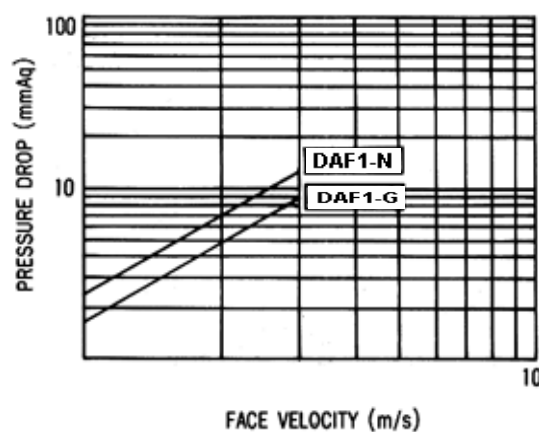
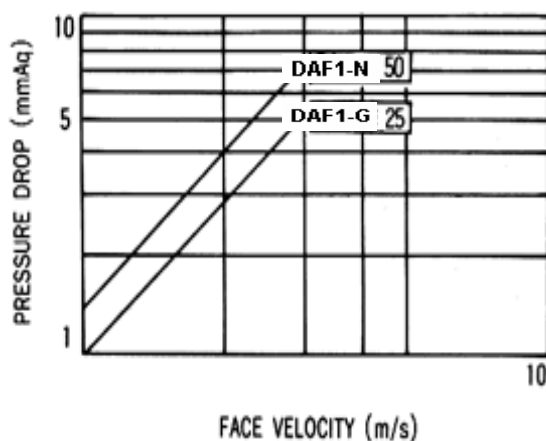
### ● Notice

No special instruction in use. needed the preparation of the wastes due to the exchanging of media during use.

## Materials & Specification

MEDIA		Glass fiber		Non Woven fiber				
FRAME		Al	SUS	Al	SUS			
REUSABLE		No		Yes				
MAX. TEMP.		100 ℃						
MAX.HUMIDITY		100%RH						
Model	Fiber	Dimension(mm)				Q(cmm)	Average Collection Effi.(%)	Pressure Drop (mmAq)
		H	W	D	Media Thickness			
DAF1-@	Glass fiber	594	594	25	25	50	85	4
				50	50	56	85	6
		610	610	25	25	50	85	4
				50	50	56	85	6
	Non-Woven	594	594	25	25	56	85	9.5
				50	10	56	85	6.5
		610	610	25	25	56	85	9.5
				50	10	56	85	6.5

## Face Velocity & Pressure Drop



# Paper Pre-Filter

65~85 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT



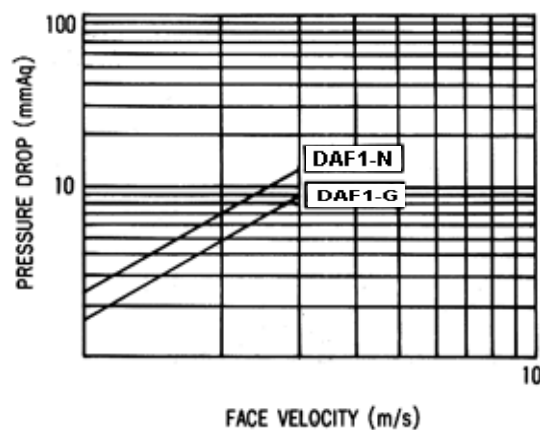
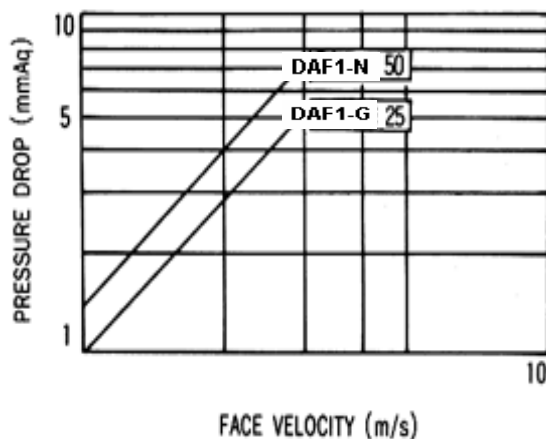
## Characteristic & Use

- **Characteristic & Use**  
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 .
- **Notice**  
No special instruction in use. in case fo use, two times, over, there is a problem with its' operation due to the increase of load. thus, the reviewing is required for reuse.

## Materials & Specification

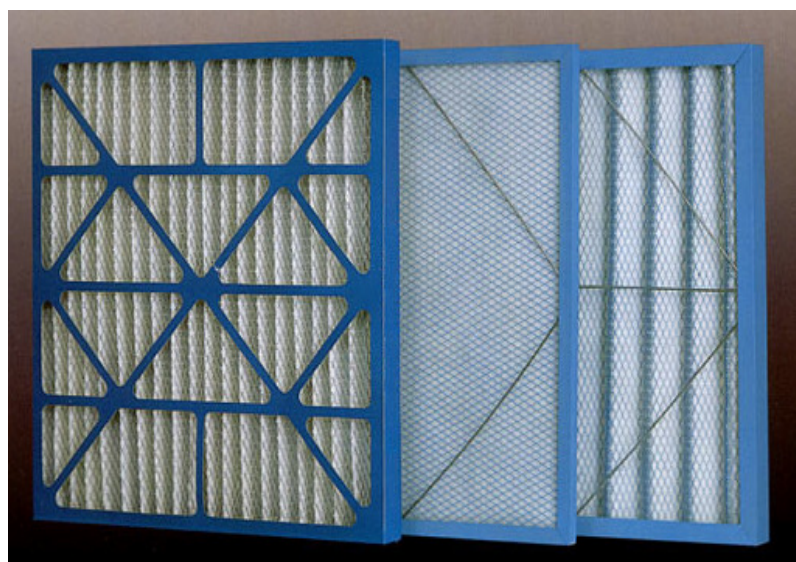
MEDIA		Glass fiber				Non Woven fiber		
FRAME		Paper						
REUSABLE		No				Yes		
MAX. TEMP.		50 ℃						
MAX.HUMIDITY		60%RH						
Model	Fiber	Dimension(mm)				Q(cmm)	Average Collection Effi.(%)	Pressure Drop (mmAq)
		H	W	D	Media Thickness			
DAF1-@	Glass fiber	594	594	25	25	50	85	4
				50	50	56	85	6
		610	610	25	25	50	85	4
				50	50	56	85	6
	Non-Woven	594	594	25	25	56	85	9.5
				50	10	56	85	6.5
		610	610	25	25	56	85	9.5
				50	10	56	85	6.5

## Face Velocity & Pressure Drop



# Paper Pre-Filter

65~85 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT



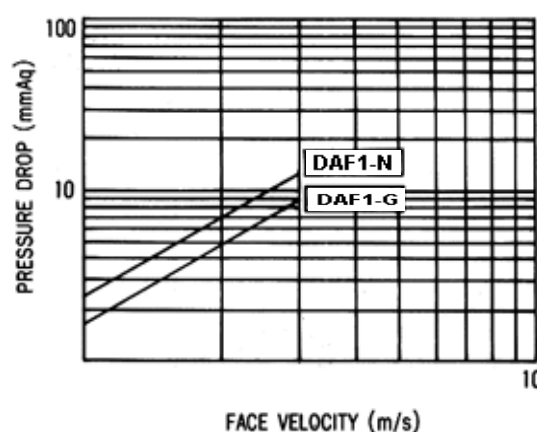
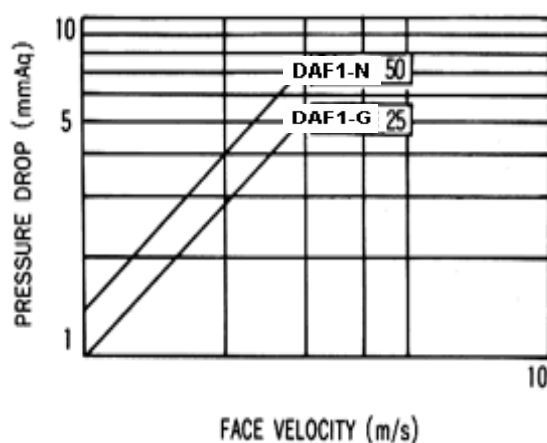
## Characteristic & Use

- **Characteristic & Use**  
Filter for the first treatment& commercialized for the purpose of the protection of the second Filter.  
The item 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.
- **Notice:**  
No special instruction in use. in case of use, two times over, there is a problem with its'performance due to the increase of load.thus, the reviewing is required for reuse.

## Materials & Specification

MEDIA		Glass fiber			Non Woven fiber		
FRAME		Paper					
REUSABLE		No			Yes		
MAX. TEMP.		50 ℃					
MAX.HUMIDITY		60%RH					
	Media	Q(cmm)	Average Collection Effi.(%)	Pressure Drop (mmAq)	Dimension(mm)		
					H	W	D
DAF1-@	Glass	33	85	4	594	594	100
		50	85	4	610	610	100
DAF1-@	Non-woven	37	85	9.5	594	594	100
		56	85	9.5	610	610	100

## Face Velocity & Pressure Drop



# Paper Pre-Filter

65~85 % Over Arrestance Effi.  
ASHRAE AVERAGE DUST WEIGHT



## Characteristic & Use

### ● Characteristic & Use

Filter for the first treatment& commercialized for the purpose of the protection of the second Filter.

Filter with low static pressure& high collection power.This item is light in weight& easy handling. Also, as possible for 100% of incineration thus ,reduce the waste cost.

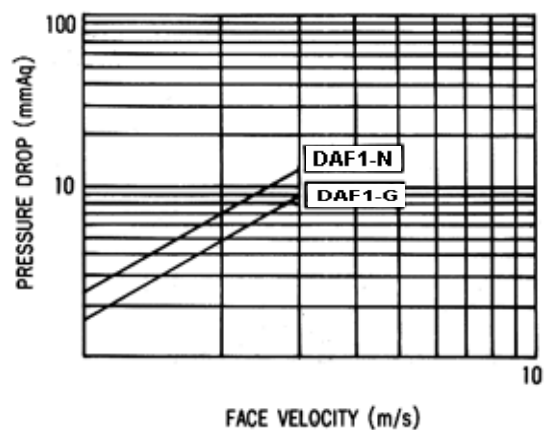
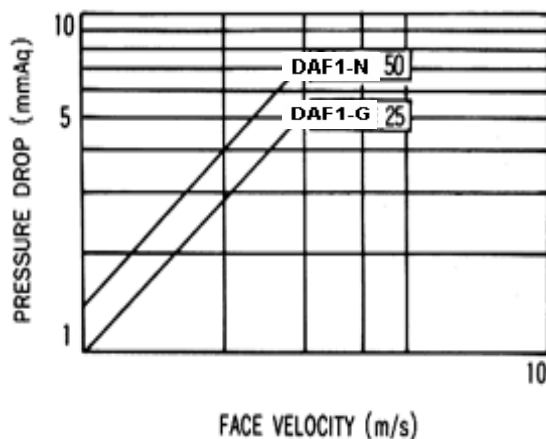
### ● Notice

No special instruction in use. in case of use , Two times over, there is a problem with its' operation due to the increase of load, thus reviewing is required for reuse.

## Materials & Specification

MEDIA		Glass fiber			Non Woven fiber		
FRAME		Paper					
REUSABLE		No			Yes		
MAX. TEMP.		50℃					
MAX.HUMIDITY		60%RH					
	Media	Q(cmm)	Average Collection Effi.(%)	Pressure Drop (mmAq)	Dimension(mm)		
					H	W	D
DAF1-@	Glass	33	85	4	594	594	100
		50	85	4	610	610	100
DAF1-@	Non-woven	37	85	9.5	594	594	100
		56	85	9.5	610	610	100

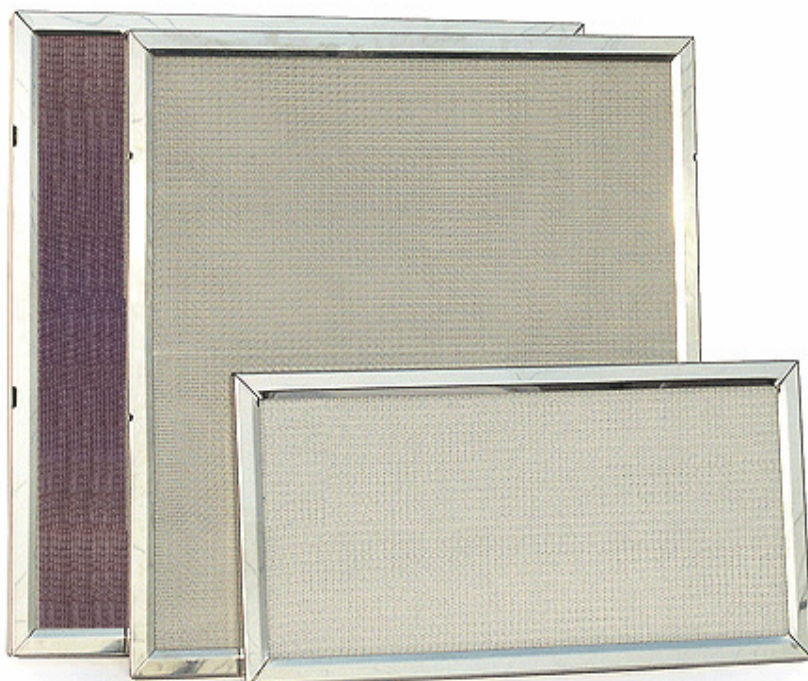
## Face Velocity & Pressure Drop





# Electrostatic Filter

65~95 % Over ASHRAE AVERAGE  
DUST SPOT EFFICIENCY



## Characteristic & Use

### ● Characteristics & Use

A weak point : less efficiency comparing to high function filter. A strong point: High collection power with low speed operation of the machine. Easy cleaning

- Increasing durability with strong structure.
- No harmful for the human body by taking advantage of static electricity
- Collect harmful insect for the human body by increasing anti-bacterial power.

### ● Notice

No special instruction in using. in case of use, two times, over, as static pressure is increased, it is hard to gain smooth air quantity, so, reuse after the review.

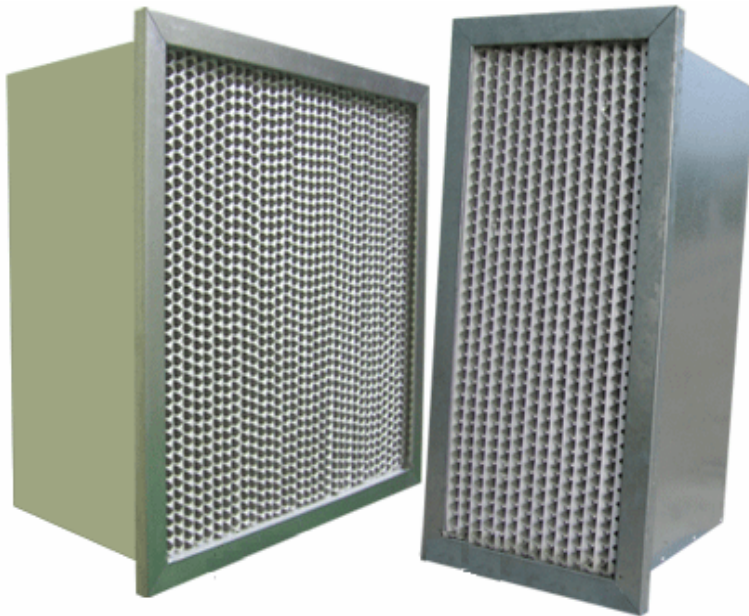


## Materials & Specification

MEDIA	Polypropylene		Non Woven fiber			
FRAME	Al	SUS	Al	SUS		
REUSABLE	No		Yes			
MAX. TEMP.	100℃					
MAX.HUMIDITY	100%RH					
Model	Dimension(mm)			Q(cmm)	Average Collection Effi.(%)	Pressure Drop (mmAq)
	H	W	D			
DAF1-@	594	594	20	52	95 OVER	11
	594	594	25	56	95 OVER	11
	594	594	50	56	95 OVER	11
	594	594	100	85	95 OVER	11

## Medium Filter (Cell Header Type)

65~95 % Over ASHRAE AVERAGE  
DUST SPOT EFFICIENCY



### Characteristic & Use

#### ● Characteristic

The contaminated minute dust of input&inside circulation air by ventilation system is eliminated by Pre-Filter, firstly but, Minute dust is processed & inflow interior. Accordingly, Clear Grade in interior is not maintained, thus, caused by lowering work efficiency & mass defective goods. In order to protect these problems in Building Ventilation System, As a precaution, Medium Filter install reverse side of 'Pre-Filter' & keep air purity in interior. 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.

- Use : 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
- Notice : As high efficiency filter, use it one time, only & exchange if static pressure is raise by double rates.

### Materials & Specification

COMPONENTS		Designation					
MEDIA		Polyeaster ,Melt-Blown , Glass Fiber					
FRAME		Corrosion presistant galvanized					
GASKET		NEOPRENE SPONGE					
MAX. TEMP.		60 °C					
MAX.HUMIDITY		100%RH					
MODEL	Q(cmm)	Pressure DROP (mmAq)		Dimension(mm)			Average. Collection Ffi
		Initial	Final	H	W	D	
DAF2-@	56	16.5	33	592	592	292	90%
	28			592	287	292	
	46	12	24	592	592	292	60%
	23			592	287	292	
	56	16.5	33	592	592	150	90%
	28			592	287	150	
	46	12	24	592	592	150	60%
	23			592	287	150	

## Medium Filter(Mini-Pleate Header Type)

65~95 % Over ASHRAE AVERAGE  
DUST SPOT EFFICIENCY



### Characteristic & Use

#### ● Characteristic

The contaminated minute dust of input&inside air circulation of by ventilation system are eliminated by Pre-Filter, firstly, but contaminated minute dust isapssed by Pre-Filter & inflow interior.Accordingly, clear purity grade in interior is not maintained, thus, caused by lower work efficiency & mass defective goods.In order to protect these problems in Building Ventilation System, As a precaution, Medium Filter install reverse side of "Pre-Filter& keep air purity in interior. Normal efficiency of Medium by N.B.S Test is 60%-95% ratio. this is medium&high efficiency filter. Also, there are box type& Pocket type& header type according to exterior shape.

- Use : Air filtration for building, used as final filter in industrial factory/clean , room. Used as "PRE-FILTER" in the field of precious machinery manufacturing industry.
- Notice : As high efficiency Filter, use it , one time, only&exchange if static pressure is raised by double rates.

### Materials & Specification

COMPONENTS		Designation					
MEDIA		Polyeaster ,Melt-Blown , Glass Fiber					
FRAME		Corrosion presistant galvanized					
GASKET		NEOPRENE SPONGE					
MAX. TEMP.		60℃					
MAX.HUMIDITY		100%RH					
MODEL	Q(cmm)	Pressure DROP (mmAq)		Dimension(mm)			Average. Collection Ffi
		Initial	Final	H	W	D	
DAF2-@	56	16.5	33	592	592	75	90%
	28			592	287	75	
	56	12	24	592	592	75	60%
	28			592	287	75	
DAF2-@	56	15	33	592	592	100	90%
	28			592	287	100	
	56	11	24	592	592	100	60%
	28			592	287	100	

# Medium Filter (Cell Box Type)

65~95 % Over ASHRAE AVERAGE  
DUST SPOT EFFICIENCY



## Characteristic & Use

### ● Characteristic:

The contaminated minute dust of input&inside air circulation by ventilation system are eliminated by Pre-Filter, firstly, but, contaminated Minute dust is passed by Pre-Filter& inflow interior. accordingly,clear purity grade in interior is not maintained. thus, caused by lower work efficiency& mass defective goods. in order to protect these problems in Building Ventilation System, as a precaution ,Medium Filter install reverse side of "Pre-Filter"& keep air purity in interior. The normal efficiency by N.B.S Test is 60~95% ratio. This is medium& high efficiency Filter. Also, there are box type&pocket type&header type according to exterior shape.

### ● Use

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.

- Notice : As high efficiency Filter, use it one time, only.exchange if static pressure is raised by double.

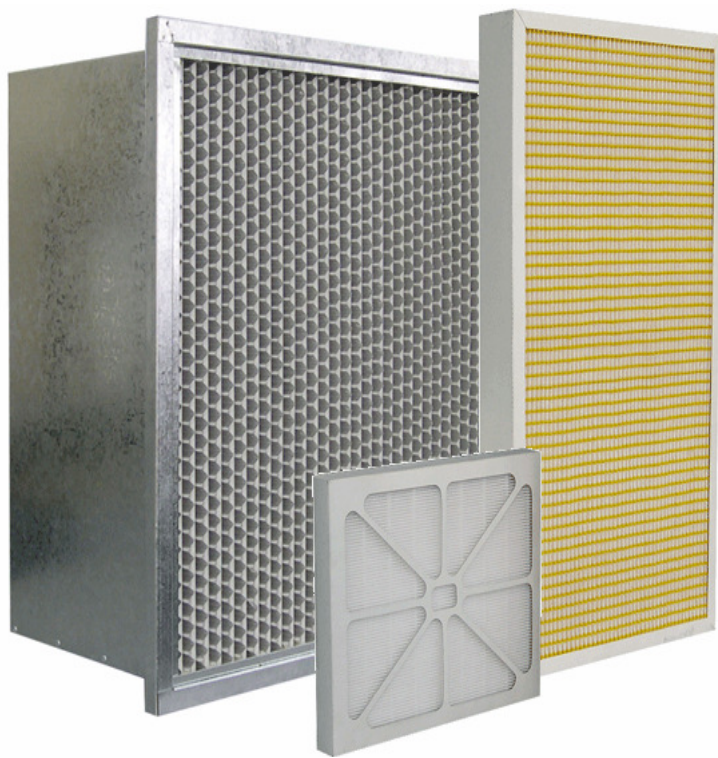
## Materials & Specification

COMPONENTS		Designation					
MEDIA		Polyester ,Melt-Blown , Glass Fiber					
FRAME		Corrosion presistant galvanized					
GASKET		NEOPRENE SPONGE					
MAX. TEMP.		60℃					
MAX.HUMIDITY		100%RH					
MODEL	Q(cmm)	Pressure DROP (mmAq)		Dimension(mm)			Average. Collection Ffi
		Initial	Final	H	W	D	
DAF2-@	56	16.5	33	592	592	75	90%
	28			592	287	75	
	56	12	24	592	592	75	60%
	28			592	287	75	
DAF2-@	56	15	33	592	592	100	90%
	28			592	287	100	
	56	11	24	592	592	100	60%
	28			592	287	100	



# NACL Block Filter

65~95 % Over ASHRAE AVERAGE  
DUST SPOT EFFICIENCY



## Characteristic & Use

### ● Characteristic

All most all of ventilation system are designed to do not resist against moisture. Also, Duct is the same design structure. As "Water Protection" is first target to protect from "Salt-Damage", this item is 100% of the water protection. the item is adapted by "Clean Room Technology" & As materilas are made by P.P & glass media to match it with class of the zone targeted.

### ● Use

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

### ● Notice

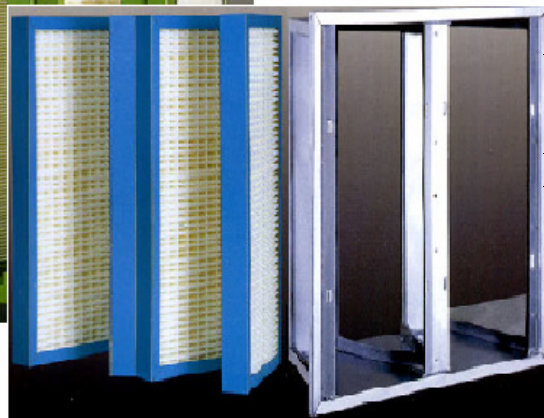
As high efficiency filter, use it one time, only. exchange it if the damage of static pressure is raised by double ratio.

## Materials & Specification

COMPONENTS		Designation					
MEDIA		Polyeaster ,Melt-Blown , Glass Fiber					
FRAME		Corrosion presistant galvanized					
GASKET		NEOPRENE SPONGE					
MAX. TEMP.		60℃					
MAX.HUMIDITY		100%RH					
MODEL	Q(cmm)	Pressure DROP (mmAq)		Dimension(mm)			Average. Collection Ffi
		Initial	Final	H	W	D	
DAF2-@	56	16.5	33	592	592	75	90%
	28			592	287	75	
	56	12	24	592	592	75	60%
	28			592	287	75	
DAF2-@	56	15	33	592	592	100	90%
	28			592	287	100	
	56	11	24	592	592	100	60%
	28			592	287	100	

# V-Bank Medium Filter

65~95 % Over ASHRAE AVERAGE  
DUST SPOT EFFICIENCY



## Characteristic & Use

- Characteristic& Use  
V-BANK FILTER has high collection efficiency&the damage of static pressure is low & has no dust on extra.
- wide dust collection space of "Pocket type".
- the big quantity of dust collection& process of air flow or air quantity , exactly& equally.
- the item of design with unique structure using as first treatment of HEPA FILTER, generally& normal ventilation system for building&factory.

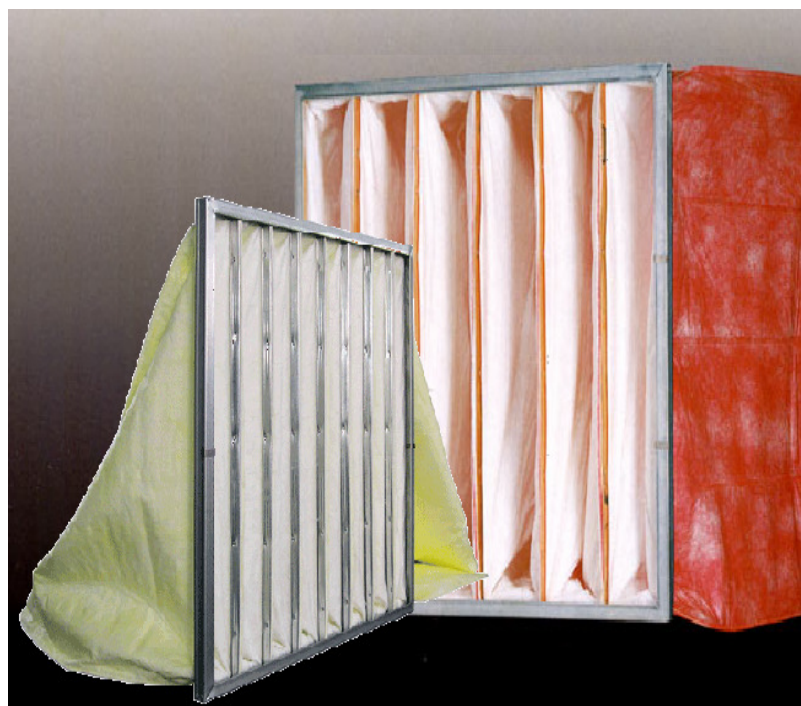
- Use : used as final filter for air filtration in building,industrial factory., etc. Clean Room, used as PRE-FILTER of "HEPA FILTER" in clean room, precious machinery industry., etc.
- Notice : As high efficiency Filter, use it one time, only. exchange it if the damage of static pressure is raised by double rates.

## Materials & Specification

COMPONENTS		Designation					
MEDIA		Melt-Blown , Glass Fiber					
FRAME		Corrosion presistant galvanized, P.P					
GASKET		NEOPRENE SPONGE					
MAX. TEMP.		60℃					
MAX.HUMIDITY		100%RH					
MODEL	Q(cmm)	Pressure DROP (mmAq)		Dimension(mm)			Average. Collection Ffi
		Initial	Final	H	W	D	
DAF2-@	56	16.5	33	592	592	292	90%
	28			592	287	292	
	46	12	24	592	592	292	60%
	23			592	287	292	

## Bag-Type Medium Filter

65~95 % Over ASHRAE AVERAGE  
DUST SPOT EFFICIENCY



### Characteristic & Use

- Use  
KDAF-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 & applied for Ventilation system of Building & Factory.
- Characteristic:
  - 1.As pocket type, has wide collection space.
  - 2.a lot of the quantity of the collection of minute dust & process of air flow & air wind quantity, exactly & equally.
  - 3.easy for management & exchange.
  - 4.Media of Bag-Type Filter is used for Final Filter for air purity in ventilation system in Building & industrial factory. Also Bag Type Filter is used for PRE-FILTER OF HEPA FILTER in Clean Room/ Precious Machinery Industry.

- Notice : As high efficiency Filter, use it one time, only.  
exchange it if the damage of static pressure is raised by double rates.

### Materials & Specification

COMPONENTS		Designation					
MEDIA		Melt-Blown , Glass Fiber					
FRAME		Corrosion presistant galvanized, P.P					
GASKET		NEOPRENE SPONGE					
MAX. TEMP.		60 °C					
MAX.HUMIDITY		100%RH					
MODEL	Q(cmm)	Pressure DROP (mmAq)		Dimension(mm)			Average. Collection Ffi
		Initial	Final	H	W	D	
DAF2-@	56	16.5	33	592	592	292	90%
	28			592	287	292	
	46	12	24	592	592	292	60%
	23			592	287	292	



## Holding Frame



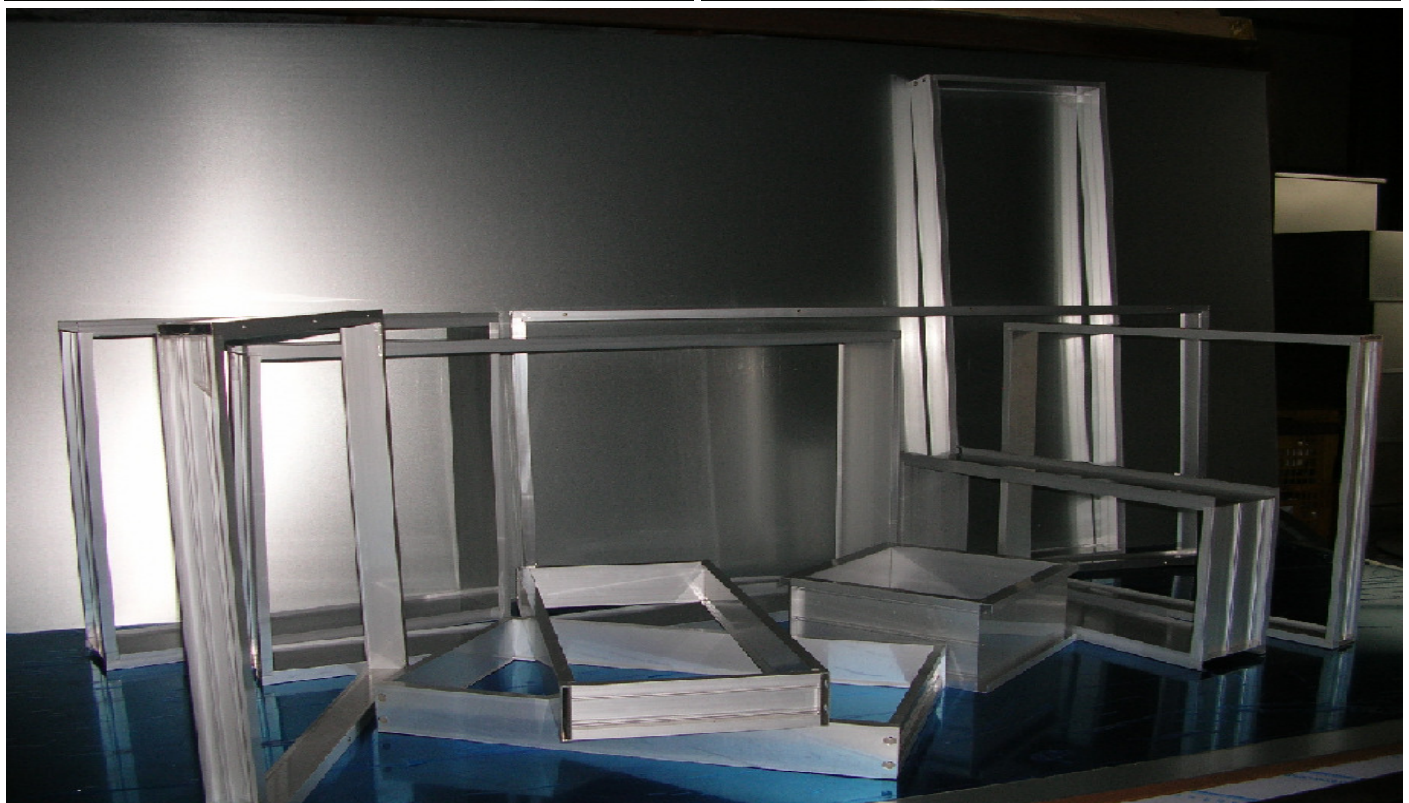
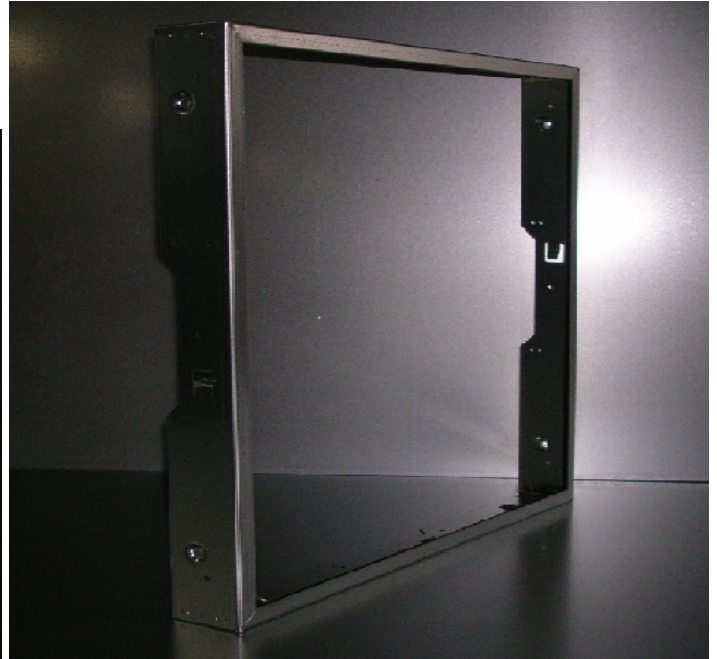
### Characteristic & Use

#### ● 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

#### ● Characteristic

1. Produced by Metal Shape of SUS / G.I Materials.
2. As bracket of Ring Type, Filter fix on Frame.
3. Produced to use , semi-permanently.





# HEPA Filter(Wood)

0.3  $\mu$ m 99.97 % Over (D.O.P Test)  
0.3  $\mu$ m DOP EFFICIENCY

## Characteristic & Use

- Use  
Used for high air purity facilities of LCD Manufacturing factory / Electronic / IC / Nuclear Power Plant/Optical/Pharma cutical / Food & Hospital / General industries,etc.
- Characteristic
  1. DOP 0.3 micron 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.

## Materials & Specification

MEDIA	Water proof glass fiber						
SEPARATOR	Kraft Paper			Aluminium			
SEALER	Self-extinguishing sealant						
FRAME	Plywood	Aluminium	Plywood	Steel Plate	Aluminium		
FINISHING	None	Alumite	None	Uni-chrome	Alumite		
MAX. TEMP.	104℃			121℃			
MAX.HUMIDITY	85%RH			100%RH			
MODEL	Q	Pressure Drop(mmAq)		Dimension(mm)			Weight(kg)
	(cmm)	Initial	Final	H	W	D	
DAF3-@	15	25.4	50.8	610	610	75	4
	20			610	762	75	4
	22			610	305	292	8.5
	28			610	610	150	7.5
	36			610	762	150	9
	42			610	915	150	10.5
	50			610	610	292	14
	60			610	762	292	17.5

# HI-Temp HEPA Filter

0.3  $\mu\text{m}$  99.97 % Over (D.O.P Test)  
0.3  $\mu\text{m}$  DOP EFFICIENCY



## Characteristic & Use

### ● Use Coverage

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. Hi-Temp HEPA Filter is designed to endure with " Applied for the facilities high clean efficiency required such as LCD Factory/ Electronic/ IC/ uclear Power/ Optical/ Pharmaceutical/ Food Industries., etc.

### ● Characteristic

1. DOP 0.3 micron particles Efficiency 99.97% over collected.
2. possible for the production as suitable filter to the site where for treatment of great air flow at one time.
3. Fragile for moisture&impact. Notice required.
4. Life Cycle for using is differen per "CLASS", but Life Cycle of Semi-HEPA Filter is on around 5,000 hours .



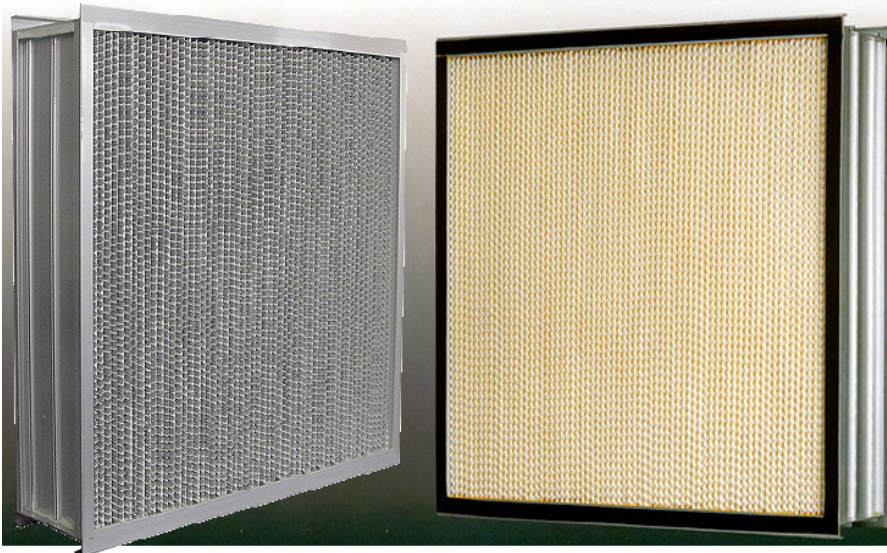
## Materials & Specification

M ED IA	G lass Fiber						
SEPARA TO R	A lum in ium						
SEAL ER	H i Tem p Resin						
FRAM E	Sta in less Steel						
M AX . TEM P .	350 °C ~ 380 °C						
M AX . HUM ID ITY	30% RH						
MODEL	Q (cmm)	Pressure Drop(mmAq)		Dimension(mm)			Weight(kg)
		Initial	Final	H	W	D	
DAF3-@	15	25.4	50.8	610	610	75	4
	20			610	762	75	4
	22			610	305	292	8.5
	28			610	610	150	7.5
	36			610	762	150	9
	42			610	915	150	10.5
	50			610	610	292	14
	60			610	762	292	17.5

# HEPA Filter(AL)

0.3  $\mu\text{m}$  99.97 % Over (D.O.P Test)  
0.3  $\mu\text{m}$  DOP EFFICIENCY

## Characteristic & Use



- Use Coverage  
Used for LCD Manufacturing factory/  
Electronic industry/IC industry/Nuclear  
Power Facilities/Optical industry/ Food  
Industry/Hospital in facilities of high  
clean air efficiency required.
- Characteristic
  1. DOP 0.3 micron particles Efficiency  
99.97% over collected.
  2. Possible for the production with  
extended media as suitable filter to  
the site where for treatment of great  
air flow at one time.
  3. Weak for moisture&impact.  
Notice required.
  4. Life cycle for using is different per  
"CLASS". but life cycle of semi-HEPA  
Filter is on around 5,000 hrs.

## Materials & Specification

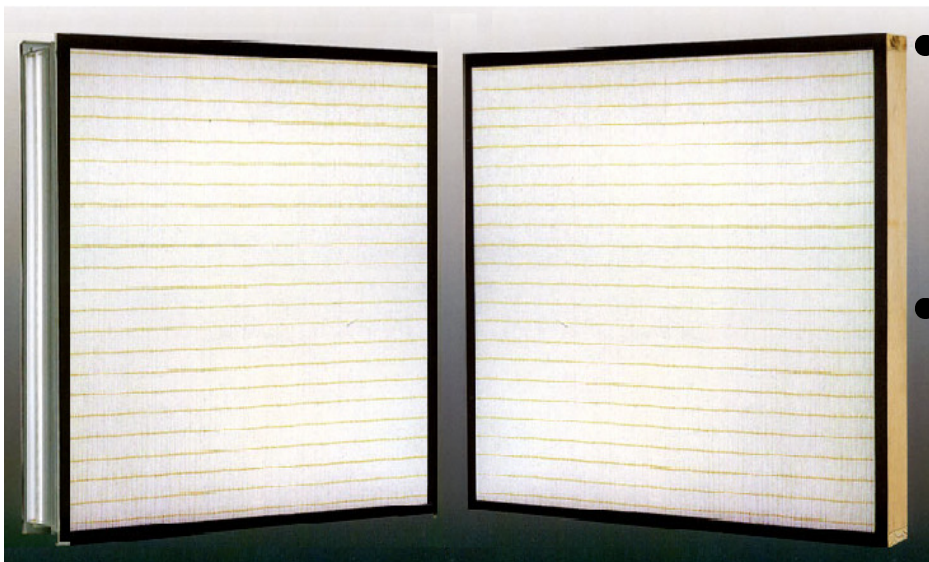
MEDIA	Water proof glass fiber						
SEPARATOR	Kraft Paper		Aluminium				
SEALER	Self-extinguishing sealant						
FRAME	Plywood	Aluminium	Plywood	Steel Plate	Aluminium		
FINISHING	None	Alumite	None	Uni-chrome	Alumite		
MAX. TEMP.	104℃		121℃				
MAX.HUMIDITY	85%RH		100%RH				
MODEL	Q (cmm)	Pressure Drop(mmAq)		Dimension(mm)			Weight(kg)
		Initial	Final	H	W	D	
DAF3-@	15	25.4	50.8	610	610	75	4
	20			610	762	75	4
	22			610	305	292	8.5
	28			610	610	150	7.5
	36			610	762	150	9
	42			610	915	150	10.5
	50			610	610	292	14
	60			610	762	292	17.5



# HEPA Filter(Mini)

0.3  $\mu\text{m}$  99.97 % Over (D.O.P Test)  
0.3  $\mu\text{m}$  DOP EFFICIENCY

## Characteristic & Use



- 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
- Characteristic
  1. DOP 0.3 micron particles  
Efficiency over collected 99.97% over collected
  2. Possible for the production as suitable filter to the site where for treatment of great air-flow at one time .
  3. Fragile for moisture & impact  
Notice required.
  4. Life cycle for using is different per "CLASS", but semi-HEPA FILTER is on around 5,000 hrs.

## Materials & Specification

MEDIA	Water proof glass fiber						
SEPARATOR	Kraft Paper		Aluminium				
SEALER	Self-extinguishing sealant						
FRAME	Plywood	Aluminium	Plywood	Steel Plate	Aluminium		
FINISHING	None	Alumite	None	Uni-chrome	Alumite		
MAX. TEMP.	104℃		121℃				
MAX.HUMIDITY	85%RH		100%RH				
MODEL	Q	Pressure Drop(mmAq)		Dimension(mm)			Weight(kg)
	(cmm)	Initial	Final	H	W	D	
DAF3-@	15	25.4	50.8	610	610	75	4
	20			610	762	75	4
	22			610	305	292	8.5
	28			610	610	150	7.5
	36			610	762	150	9
	42			610	915	150	10.5
	50			610	610	292	14
	60			610	762	292	17.5



# ULPA Filter

0.12 ~ 0.17  $\mu\text{m}$  99.99995 % Over (D.O.P Test)  
0.12 ~ 0.17  $\mu\text{m}$  DOP EFFICIENCY



## Characteristic & Use

- Use Coverage  
Used for LCD Manufacturing Factory/  
Electronic industry/ Pharmaceutical  
Industry  
/Optical industry/ Food industry.,  
etc in facilities High Clear Efficiency  
required.
- Characteristic
  1. Particle protection (0.12-0.17  $\mu\text{m}$ )  
particles Efficiency: 99.9995% over  
collected.
  2. Clean Room Class 1~100
  3. Applied for IC/LCD production Line.

## Materials & Specification

MEDIA		Water proof glass fiber								
SEPARATOR		Kraft Paper			Aluminium					
SEALER		Self-extinguishing sealant								
FRAME		Plywood	Aluminium	Plywood	Steel Plate	Aluminium				
FINISHING		None	Alumite	None	Uni-chrome	Alumite				
MAX. TEMP.		104℃			121℃					
MAX.HUMIDITY		85%RH			100%RH					
Filter Depth 50(mm)  Media Depth 40(mm)	Fiter Size(mm) H x W 610x610	Velocity (m/sec)	0.2	0.25	0.3	0.35	0.4	0.45	0.5	55
		Air Capacity (CMM)	4.1	5.1	6.1	7.1	8.1	9.1	10.1	11.1
		Pressure Drop (mmAq)	7.8	9.8	11.8	13.9	15.9	17.9	20	22.1
Filter Depth 65(mm)  Media Depth 55(mm)	Fiter Size(mm) H x W 610x610	Velocity (m/sec)	0.2	0.25	0.3	0.35	0.4	0.45	0.5	55
		Air Capacity (CMM)	4.1	5.1	6.1	7.1	8.1	9.1	10.1	11.1
		Pressure Drop (mmAq)	5.9	7.4	8.9	10.4	11.9	13.5	15	16.5
Filter Depth 80(mm)  Media Depth 75(mm)	Fiter Size(mm) H x W 610x610	Velocity (m/sec)	0.2	0.25	0.3	0.35	0.4	0.45	0.5	55
		Air Capacity (CMM)	4.1	5.1	6.1	7.1	8.1	9.1	10.1	11.1
		Pressure Drop (mmAq)	4.7	5.9	7.1	8.3	9.5	10.8	12	13.2

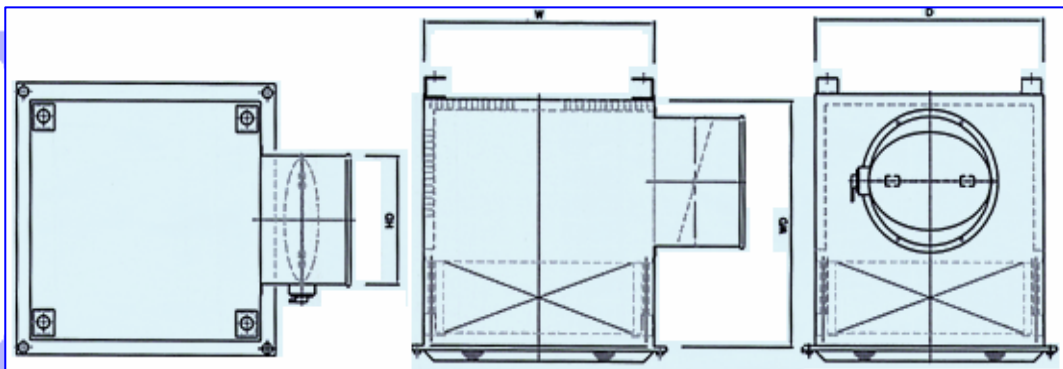
# HEPA FILTER UNIT



## Characteristic & Use

- Use Coverage  
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.
- Characteristics
  1. MAIN FILTER : HEPA FILTER
  2. EFF : 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

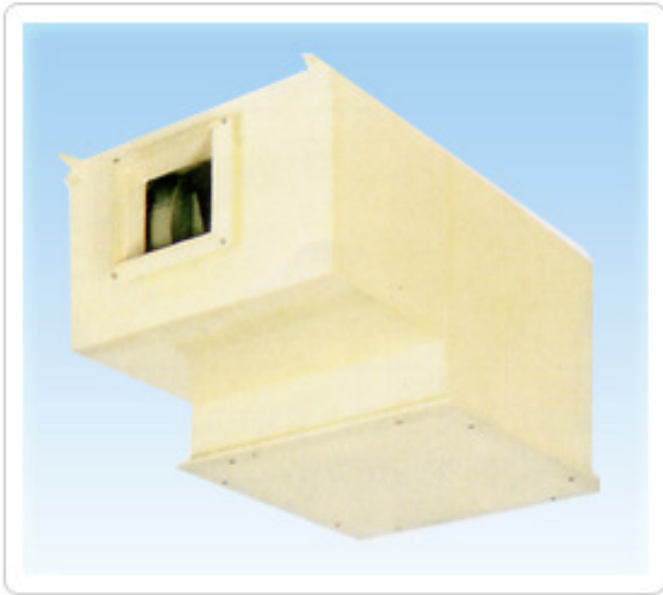
## Materials & Specification



## THE BETTER AIR FILTER

Out Size	W	680	680	830	985
	D	410	410	410	460
In Size	WD	455	455	505	505
	HD	155	155	155	205
Air Flow		17 m <sup>3</sup> /min	28 m <sup>3</sup> /min	34 m <sup>3</sup> /min	42 m <sup>3</sup> /min
Efficiency		DOP 99.97% 0.3 $\mu$ m			
HEPA Filter		610x610x150T	610x610x292T	610x762x292T	610x915x292T
Casing		SCP 1.2T			
Punching Plate		SCP 1.0T			
Painting		—			
Weight		≈ 39kg	≈ 39kg	≈ 39kg	≈ 39kg

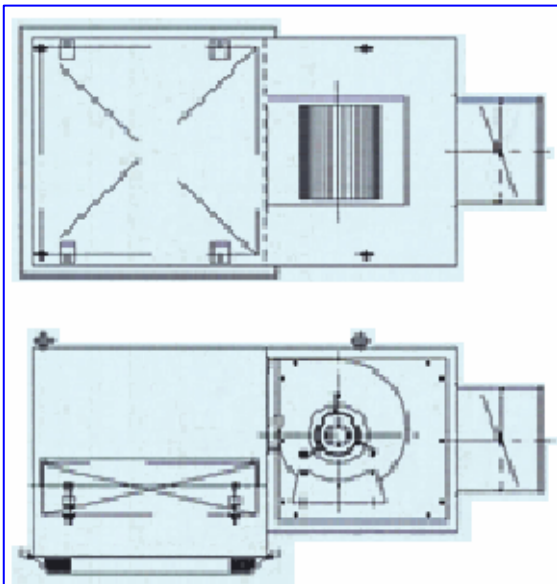
## BLOWER FILTER UNIT



### Characteristic & Use

- Use Coverage  
Supply Clean Air with unit, itself.  
Available for purity plan, extensively according to installation process & its quantity.  
Making up "Clean Room" regardless of Building Structure.
- Characteristics
  1. MAIN FILTER : HEPA FILTER
  2. EFF :  $0.3\mu\text{m}$  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 : Optional

### Materials & Specification



### - Blower Filter Unit (BFU)

BFU System is a constructure of standardized unit by free installation on intended space of ceiling. BFU System is applicated 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).



# Fan Filter Unit(FFU)

## + Fan Filter Unit(FFU)

FFU System is a consture of standarized unit by free installation on intended space of ceiling .

FFU System is aplicated 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.

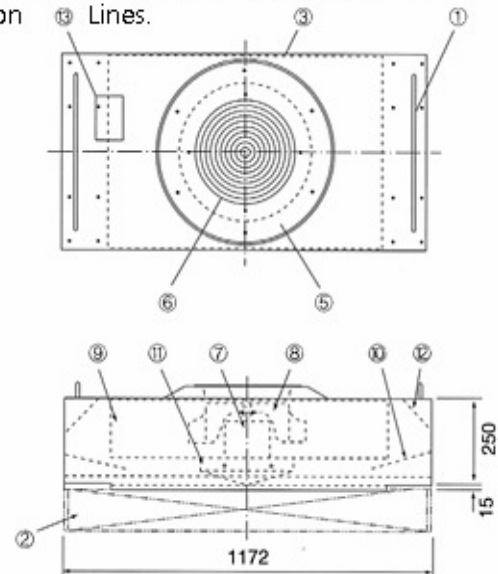
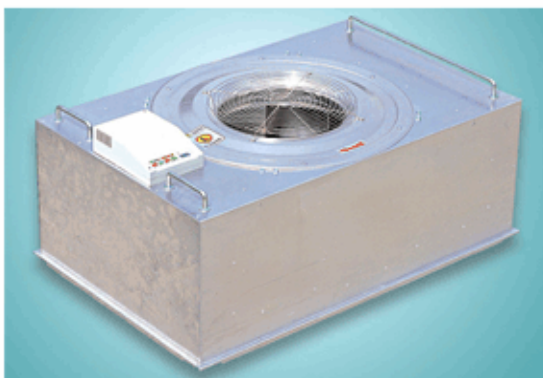
### 표준사양

No.	Description	Material	Dimension
1	Carrying Handel	SS41	φ10
2	ULPA Filter	SEE SPEC.	
3	Over Casing	AL.	1.5t
4	Side Casing	AL.	1.5t
5	Bell Mouth	AL.	1.5t
6	Safety Cover	SCP.	
7	Motor		100W
8	Impeller	AL.	
9	Fan Housing	PE FORM	
10	기류 조절판	AL.	1.0t
11	Motor Support	AL.	2.0t
12	혼용 Guide	AL.	1.0t
13	단자 Box	AL.	1.5t

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



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



Classification	AC		DC	Remark
Model	AVFU 606			Additional Standard Dimension 가능
Grid(Mould Bar)	600×600(2' ×2' )			
Dimension(mm)	572(L)×572(W)×250~330(H)			
Power	1φ 200V~230V 60Hz	1φ 200V~240V 50/60Hz		
Ex.StaticPressure(mmAq)	9			
Air Velocity(m/s)	0.25~0.45			
Power Consumption(W)	80~125	45~70		
Current(A)	0.40~0.63	0.22~0.35		
Noise[dB(A)]	47~53	44~50		
Filter Spec.	ULPA : 99.999% 15CMM at 9.5mm Aq			
Weight(Kg)	18	16	Excluding Filter	

▶ AC : 3φ 60Hz, 50Hz Applicable

Classification	AC		DC	Remark
Model	AVFU 906			Additional Standard  Dimension 가능
Grid(Mould Bar)	900×600(3' ×2')			
Dimension(mm)	872(L)×572(W)×250~380(H)			
Power	1φ 200V~230V 60Hz	1φ 200V~240V 50/60Hz		
Ex.StaticPressure(mmAq)	9			
Air Velocity(m/s)	0.25~0.45			
Power Consumption(W)	80~125	50~85		
Current(A)	0.40~0.67	0.25~0.43		
Noise[dB(A)]	46~53	44~52		
Filter Spec.	ULPA : 99.999% 15CMM at 9.5mm Aq			
Weight(Kg)	22	20	Excluding Filter	

▶ AC : 3φ 60Hz, 50Hz Applicable

▶ 규격 : 600(L)×600(W) / 900(L)×600(W) / 1200(L)×600(W) / 1200(L)×900(W) / 1200(L)×1200(W) / 1500(L)×750(W)