



# JUNIOR HIGH EFFICIENCY FILTER PRODUCT DATA COLLECTION

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# PRIMARY FILTER

## WORKING CHARACTERISTICS:

The primary effect filter is suitable for the primary filtration of the air conditioning system, mainly used to filter dust particles above 5um, the primary effect filter has three styles of plate folding, bag type, the outer frame material has paper frame, aluminum frame, galvanized iron frame, the filter material has non-woven fabric, nylon mesh, activated carbon filter material, metal hole mesh, etc., the protective net has double-sided spray plastic barbed wire and double-sided galvanized barbed wire. It is widely used in optical electronics, medical pharmaceutical, food and beverage, biological laboratory, touch screen, precision instrument and other industries.

## PRODUCT CHARACTERISTICS



G3 Primary effect/  
Folding mode

G3 Primary effect/  
Primary chassis

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. Filter cotton is made of high quality polyester synthetic fiber, with large air volume, large dust capacity and small resistance Double coated galvanized checkered net.
3. The folding process filter area is 3 times larger than the ordinary flat plate filter.
4. Parent frame, removable, washable, can be repeatedly cleaned 2-3 times.

### Features:

The filter material is folded into the high-strength frame, and the windward area is increased The dust particles in the incoming air are effectively blocked between pleats by filter materials.Clean air flows out evenly from the other side, so the airflow through the filter is smooth and even Even. Depending on the filter material, the particle size it blocks ranges from 0.5μm to 5μm Different filtration efficiency is also different.

## PRODUCT APPLICATION

### Mainly used for:

1. Pre-filtration of air conditioning and ventilation system to avoid ash pollution inside the system.
2. Pre-filtration of large air compressor.
3. Clean room centralized ventilation and air conditioning system and return air filtration to extend the service life of the post-stage high efficiency filter.
4. The ventilation system of ordinary industrial plants can meet the general clean demand for air.
5. General building air conditioning coarse dust filtration system.

Filters of this efficiency are often used for the primary filtration of air conditioning and ventilation systems, and are also suitable for simple air conditioning and ventilation systems with only one stage filtration.

## PRODUCT PARAMETER

G series sort	G1、G2、G3、G4、GN(Nylon mesh filter) GH(metal mesh filter), GC(activated carbon filter), GT(high temperature first effect filter)										
	Model number	Overall dimension(W*D*H)	Rated air volume(m³/h)	Initial resistance(pa)	Efficiency	Outer frame	Filter material	SEALANT			
G1	295*295*21	800	25	G140%	Aluminium profile Galvanized frame	Level G1-G4 Cotton filter	Double-sided spray Large grid Or do ouble-sided table Galvanized wire mesh				
	295*595*21	1600									
	495*595*21	2200									
	595*595*21	3200									
G2	295*295*46	800	30	G270%	Paper frame	Cotton filter	Double-sided galvanizing Barbed wire Or combination Filter material aluminum mesh				
	295*595*46	1600									
G3	495*595*46	2200		G385%				G490%	Aluminium profile Galvanized frame	Nylon net	Ø5+ Steel frame support
	595*595*46	3200									
G4	595*595*46	3200	G490%	G490%	Aluminium profile Stainless steel frame	Folding metal mesh	Surface aluminum mesh Or stainless steel mesh				
	595*595*10										
GN	595*595*46				Galvanized frame Stainless steel frame	Glass fiber cotton	Stainless steel mesh + large Grid wire bracing				
	595*595*21										
GH	595*295*21				Aluminum frame	Uniform flow top cotton	Spray grid				
	595*595*50										
GT	500*500*50										
	595*595*16										
GL											
remark	1.Initial resistance tolerance ±10% 2.Can be customized according to customer demand										

# FIRST EFFECT FILTER PRODUCT DISPLAY

## WORKING CHARACTERISTICS:

The primary effect filter is suitable for the primary filtration of the air conditioning system, mainly used to filter dust particles above 5um, the primary effect filter has three styles of plate folding, bag type, the outer frame material has paper frame, aluminum frame, galvanized iron frame, the filter material has non-woven fabric, nylon mesh, activated carbon filter material, metal hole mesh, etc., the protective net has double-sided spray plastic barbed wire and double-sided galvanized barbed wire. It is widely used in optical electronics, medical pharmaceutical, food and beverage, biological laboratory, touch screen, precision instrument and other industries.

## PRODUCT DISPLAY



G1 COTTON  
PRIMARY/PAPER FRAME



G1 COTTON FIRST  
EFFECT/TILE TYPE



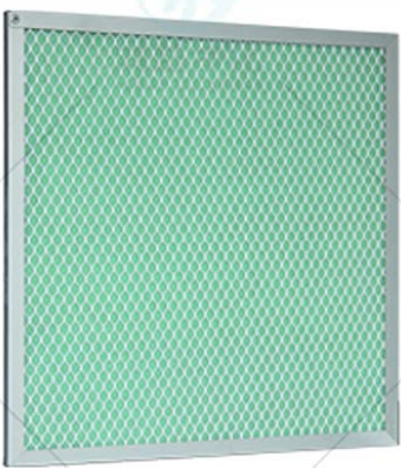
G3 COTTON  
PRIMARY/FOLDING



G3 COTTON PRIMARY  
CHILD/PARENT FRAME



G3 COTTON FIRST  
EFFECT/FOLDING HINGE



G4 COTTON  
PRIMARY/TILE TYPE



G4 COTTON FIRST  
EFFECT/FOLDING



G4 COTTON PRIMARY  
CHILD MASTER FRAME



G4 COTTON FIRST EFFECT  
MOTHERFRAME HANDLE



G4 COTTON FIRST EFFECT  
PARENT FRAME FLANGE



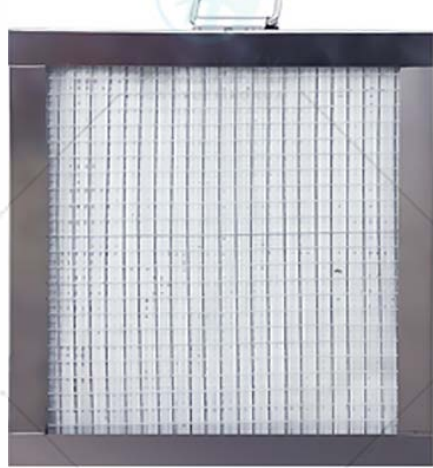
GN NYLON NET PRIMARY  
EFFECT/TILE TYPE



GN NYLON NET  
PRIMARY EFFECT  
CHILD MOTHER FRAME



GH METAL MESH  
PRIMARY EFFECT/TILE TYPE



GT HIGH TEMPERATURE  
RESISTANT PRIMARY  
HIGH TEMPERATURE COTTON



GC ACTIVATED CARBON  
PRIMARY EFFECT/BOX TYPE



G4 COTTON PRIMARY  
METAL GREEN FRAME  
(CUSTOMIZED FOR EXPORT)

# ACTIVATED CARBON FILTER

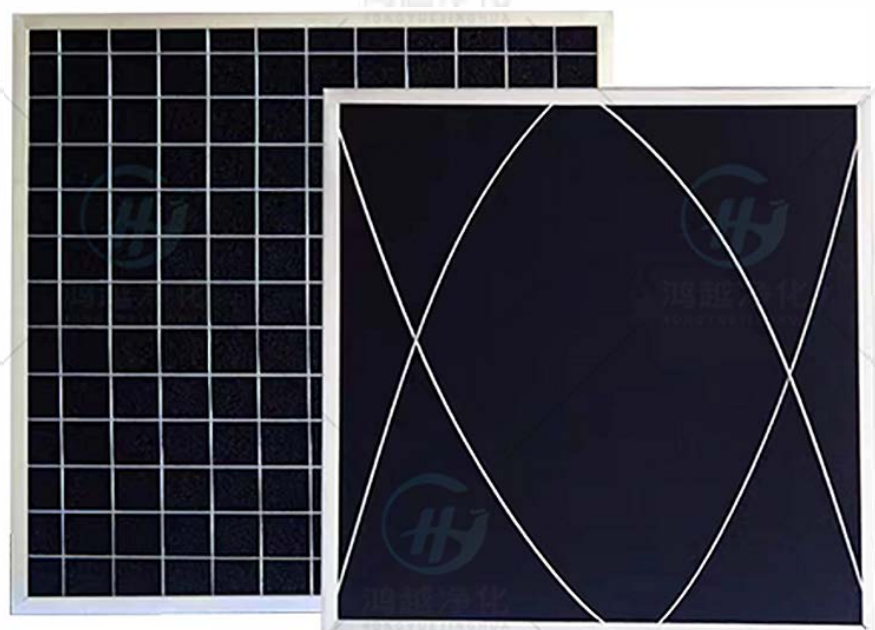
## WORKING CHARACTERISTICS:



Activated carbon filter is a general purpose porous and efficient adsorption material used to remove impurities in gases, toxic gases in the air Body and harmful bacteria have good adsorption and killing ability. The activated carbon filter is adopted, which has higher carbon content, small space and larger air volume

It has the characteristics of small volume, large specific surface area, high adsorption efficiency, small wind resistance and long life. Used to remove high concentrations of acid and alkali from the air And organic compound gases and all kinds of harmful gases in the air.

## PRODUCT CHARACTERISTICS



The right side      Reverse side

Plate - activated carbon primary filter/removable

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful Durable.
2. **Filter material:** activated carbon filter cotton, activated carbon fiber felt, with good absorption Additive properties and gas kinetics.
3. **Performance:** higher carbon content, small space, larger air volume, with efficiency High, good versatility, low wind resistance, long life.
4. **Features:** removable structure can be selected, the outer frame and protection net can be reused, It has good adsorption properties and gas kinetics properties.
5. **Applicable to:** Spray clean room fresh air conditioning system, pre-filtration of fresh air units; Central air conditioning system fresh air primary filtration; Air fresh air purification equipment inlet pre-filtration; Paint mist exhaust emission primary or secondary filtration; Household commercial air purifier, oil smoke purification; Formaldehyde A and other harmful gas purification and adsorption.

## PRODUCT DISPLAY



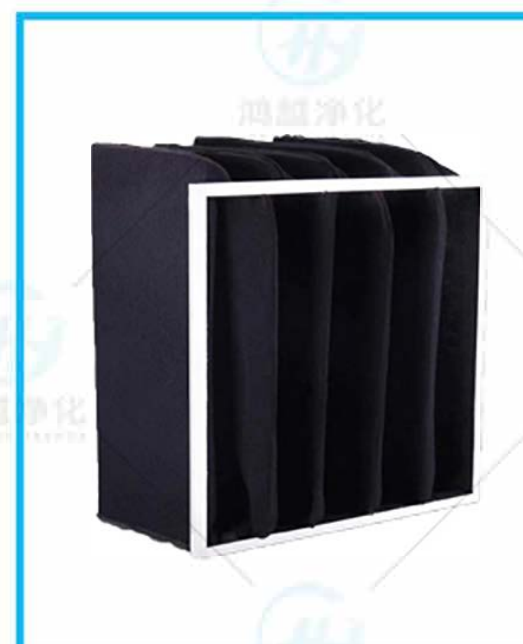
PLATE - ACTIVATED CARBON PRIMARY FILTER/REMOVABLE (ACTIVATED CARBON COTTON TILE)



COLLAPSIBLE - ACTIVATED CARBON PRIMARY FILTER (ACTIVATED CARBON MESH COTTON)



PARENT FRAME - ACTIVATED CARBON PRIMARY FILTER (ACTIVATED CARBON COTTON)



BAG - ACTIVATED CARBON MEDIUM EFFECT FILTER (ACTIVATED CARBON COTTON)

## PRODUCT PARAMETER

Model number	Overall dimension(W*D*H)	Rated air volume(m <sup>3</sup> /h)	Initial resistance(pa)	Adsorption rate	Temperature resistance	Humidity resistance
HY-HXT series (Figure 2)	295*295*21	800	55	≥90%	Constant temperature below 80°	≤80%RH
	295*595*21	1600	55			
	495*595*21	2200	55			
	595*595*21	3200	55			
	295*295*46	800	55			
	295*595*46	1600	55			
	495*595*46	2200	55			
595*595*46	3200	55				
remark	Specification thickness can be determined: 21, 46, 69, 96mm, can be customized according to customer needs					

# MEDIUM EFFECT BAG FILTER



## WORKING CHARACTERISTICS:

Bag type medium effect filter can be used for intermediate filtration of air conditioning system to protect the next level filter in the system and the system itself Air purification where the cleanliness requirement is not strict, the air treated by the medium effect filter can be directly sent to the user. Aluminum frame bag filter The high quality synthetic fiber is used as the filter material aluminum alloy profile frame, the internal galvanized iron wire support frame, aluminum alloy decorative strip combination.

## PRODUCT CHARACTERISTICS



F5 Medium effect bag filter

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. The filter bag contains electrostatic fiber, which has high dust trapping power, large dust capacity and long life.
3. There is an iron frame in the middle of each filter bag to prevent excessive expansion of wind pressure, and aluminum profile spacers.

Features: bag filter effective filtering area is large, dust capacity is large, resistance is small, ventilation volume is large frame and branch The support can be reused when replacing the filter, only the filter bag needs to be replaced, and it is convenient and fast, greatly reducing the transportation Filtration systems widely used in electronics, pharmaceutical, medical food and other industries are the current structure The best medium filter.

## PRODUCT DISPLAY



F5



F6



F7



F8



F9

## PRODUCT PARAMETER

colour	Filter level	Overall dimension(W*D*H)	Bag number	Rated air volume (m <sup>3</sup> /h)	Initial resistance(pa)	Efficiency %	rank	Outer frame	Filter material
white	F5 (45%)	595*595*600	6	3200	50	40-50 Colorimetric method	F5	Aluminium alloy Galvanized plate	F5 Non-woven fabric
		595*595*600	5	2700					
		595*495*600	6	1600					
		495*295*600	6	2200					
		495*295*600	4	800					
green	F6 (65%)	595*595*600	6	3200	65	60-70 Colorimetric method	F6	Aluminium alloy Galvanized plate	F6 Non-woven fabric
		595*595*600	5	2700					
		595*495*600	6	2500					
		495*295*600	6	1600					
		495*295*600	4	1300					
pink	F7 (85%)	595*595*600	10	3200	110	80-85 Colorimetric method	F7	Aluminium alloy Galvanized plate	F7 Non-woven fabric
		595*595*600	8	3000					
		595*495*600	10	2700					
		495*295*600	10	1600					
		495*295*600	8	1300					
yellow	F8 (90%)	595*595*600	10	3200	120	90-95 Colorimetric method	F8	Aluminium alloy Galvanized plate	F8 Non-woven fabric
		595*595*600	8	3000					
		595*495*600	10	2700					
		495*295*600	10	1600					
		495*295*600	8	1300					
white	F9 (95%)	595*595*600	8	3200	120	97-98 Colorimetric method	F9	Aluminium alloy Galvanized plate	F9 Non-woven fabric
		595*595*600	6	2700					
		595*495*600	6	1600					
		495*295*600	4	2200					
		495*295*600	4	800					
remark	Customized according to customer needs can be customized according to customer needs								

# MEDIUM EFFECT FILTER - PRODUCT DISPLAY



## WORKING CHARACTERISTICS:

FB plate medium effect filter is mainly used to filter particles of 1.0 micron in the air, suitable for intermediate filtration of air conditioning system. The outer frame materials are aluminum frame and galvanized iron frame, and the filter material is polyester fiber as filter material, which will not be deformed, broken or twisted under normal operating environment. The tight adhesion of the filter material to the outer frame prevents any air leakage. It is characterized by large air volume, small resistance and strong structure.

## FOLDING - MEDIUM EFFECT FILTER



Folding - Medium effect filter

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. Filter material: new composite non-woven fabric, containing anti-static fiber, with high dust capture rate, low resistance, ventilation Good sex, the characteristics of large dust.
3. Suitable for: central air conditioning ventilation system, pharmaceutical, electronics, food and other industries purification system. Features: The folding medium effect filter is made of aluminum alloy frame and folded nonwoven or synthetic fiber The air outlet surface of the filter is fitted with galvanized protective mesh for support. It is mainly used to filter air Dust particles above 3 microns are suitable for central air conditioning system and primary and middle air of clean air conditioning system Gas filtration.

Filtration efficiency	Overall dimensions(W*D*H)	Rated air volume(m³/h)	Initial resistance(pa)	Final resistance(pa)	Filter area(m²)	Dust capacity(g)
F5	592*592*46	3200	50	100	0.97	175
F6	592*592*46	3200	65	130	0.97	155
F7	592*592*46	3200	80	150	0.97	135
F8	592*592*46	3200	105	200	0.97	120
F9	592*592*46	3200	120	240	0.97	110
remark	Specification thickness can be determined: 21, 46, 69, 96mm, can be customized according to customer needs					

## PARENT FRAME - MEDIUM EFFECT FILTER



Parent frame - Medium effect filter

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. The filter screen is made of V-shaped, which provides a large filter area for the air flow, and adopts a special process to make the filter screen Keep some distance.
3. Can be cleaned and reused several times; Low resistance, large air volume, high dust capacity, long service life.
4. Suitable for: medium efficiency filtration of central ventilation system, which is widely used in smart building clean workshop

Features: Parent frame medium effect filter is made of synthetic fiber or composite fiber filter material, with internal metalThe frame is made of metal frame, which has strong structure, low resistance, large air volume and long service life And can replace the filter material, reduce the cost of use.

Filtration efficiency	Overall dimensions(W*D*H)	Rated air volume(m³/h)	Initial resistance(pa)	Final resistance(pa)	Filter area(m²)	Dust capacity(g)
F5	592*592*292	3200	50	100	4.39	800
F6	592*592*292	3200	65	130	4.39	700
F7	592*592*292	3200	80	150	4.39	620
F8	592*592*292	3200	105	200	4.39	530
F9	592*592*292	3200	120	240	4.39	480
remark	Specification thickness can be determined: 21, 46, 69, 96mm, can be customized according to customer needs					

## FB PLATE - MEDIUM EFFECT FILTER



FB Plate - Medium effect filter

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. Filter material: polyester fiber, with large air volume, low resistance, strong structure, reusable cleaning.
3. Suitable for: air conditioning system filter, dust removal equipment dust recovery filter, spraying line air powderDust filter, can be used as a high efficiency air filter front filter

Features: FB plate medium effect filter is mainly used to filter the particle size of 1.0 micron in the air, suitable Intermediate filtration for air conditioning systems. The outer frame material is aluminum frame, galvanized iron frame, filter material to polyester fiber The dimension is filter material, which will not be deformed, broken or twisted under normal operating environment. The filter material is tight to the outer frame The bonding prevents any air leakage from occurring.

Model number	Overall dimensions(W*D*H)	Rated air volume(m³/h)	Initial resistance(pa)	Efficiency (colorimetric %)	Outer frame	Filter material	sealant
FB8	595*595*46	2500	120	95	Aluminium alloy Galvanized plate	Medium effect filter	Polyurethane adhesive
FB8	495*495*46	1700					
FB8	595*295*46	1200					
remark	Specification thickness can be determined: 21, 46, 69, 96mm, can be customized according to customer needs						

# W TYPE HIGH AIR VOLUME FILTER

## WORKING CHARACTERISTICS:

W type subhigh efficiency air filter is also called plastic frame V type subhigh efficiency air filter, plastic frame V type large air volume subhigh efficiency filter, is a frame made of ABS material, and with installation flange frame structure, it has a large filter area, small resistance, light weight, large dust capacity, high air volume characteristics. At the same time, it can be interchanged with the common bag filter to extend the service life of the high efficiency air filter.

## PRODUCT CHARACTERISTICS



W type high air volume filter

1. ABS plastic frame, metal frame, light, strong, beautiful and durable.
  2. The filter paper adopts ultrafine polyester fiber (PP)/ ultrafine glass fiber, with large air volume, large dust capacity and small resistance.
  3. Filtration efficiency H13~H14.
  4. Large filtration area, rapid dust removal, good partition air conductivity, uniform air output.
- Features: large air volume filter, also known as W-type filter, V-type filter; Is centrally air-conditioned with centralization Common filters for ventilation systems. In many cases, it can be interchanged with the bag filter and the same bag filter Compared with the machine, the large air volume filter occupies a small space, but the price is also slightly higher, and the waste of the plastic frame is used The filter can be incinerated which is beneficial to the environment and saves waste disposal fees by using polypropylene fiber filter paper Filter dust content is low, the service life is only half of the glass fiber filter paper filter, but polypropylene fiber filter paper Filter is relatively cheap filter paper is also relatively strong, compared with ordinary high efficiency filter, with low resistance and high efficiency, Light weight can reduce the building height, reduce the purification equipment plenum volume and other advantages. Suitable for normal temperature and pressure, The purification of ambient air under normal temperature conditions is especially suitable for those requiring high efficiency air filter coverage Purification plant.

## PRODUCT DISPLAY



W PLASTIC FRAME FILTER/FLANGE



W-SHAPED PLASTIC FRAME FILTER/BOX TYPE



W PLASTIC FRAME FILTER/FLANGE (CUSTOMIZED ACTIVATED CARBON PARTICLES)



W TYPE GALVANIZED FRAME FILTER/FLANGE



W TYPE GALVANIZED FRAME FILTER/BOX TYPE



W PLASTIC FRAME FILTER/FLANGE (CUSTOM BLUE PLASTIC FRAME)

## PRODUCT PARAMETER

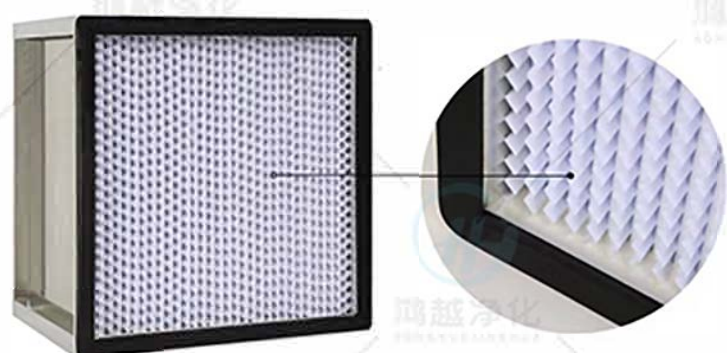
Model number	Product name	Size(W*D*H)	Interval number	Subefficient air volume(m³/b)	Efficient air volume(m³/b)	Initial resistance	Final resistance	Filtration efficiency
HY-DFL SERIES	W-shaped plastic frame filter (with flange)	287*287*292	2	900	450	Sub-high efficiency 150pa	Sub-high efficiency 300pa	Sub-high efficiency 99.99% @ 0.5 um
		287*592*292	4	1800	900			
		492*592*292	4	3000	1500			
		592*592*292	4	3600	1800			
	W-shaped plastic frame filter(box type)	305*610*292		2200	1100	efficient 220pa	efficient 450pa	efficient 99.99% @ 0.3 um
		610*610*292		4400	2200			
W type galvanized frame filter(with flange/box type)		305*610*292	4	1800	900	220pa	450pa	99.99% @ 0.3 um
		610*610*292	4	3600	1800			
REMARK	Customized according to customer needs can be customized according to customer needs							

# THERE ARE PARTITIONS. - HEPA FILTERS

## WORKING CHARACTERISTICS:

High efficiency filter is mainly used to capture particles below 0.5um dust and a variety of suspended matter, as the end of a variety of filtration system filtration using ultrafine glass fiber paper as filter material, plywood paper, aluminum plate and other materials folded as a partition plate, new polyurethane sealant sealing and galvanized plate, stainless steel plate, aluminum alloy profile for the frame made.

## PRODUCT CHARACTERISTICS



There's a diaphragm  
HEPA filter

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. The filter cotton adopts ultrafine glass fiber, which has large air volume, large dust capacity and small resistance.
3. Filtration efficiency H13~H14
4. Large filtration area, rapid dust removal, good partition air conductivity, uniform air output.

**Features:** High efficiency separator filter using ultrafine glass fiber filter paper as filter material, to plywood paper Aluminum plate and other materials folded for separation, new polyurethane sealant sealing, galvanized sheet, stainless steel Plate, aluminum alloy profile for the outer frame, each have been strictly tested. Applied at room temperature, normal Air purification under pressure and constant humidity conditions.

## PRODUCT DISPLAY



## PRODUCT PARAMETER

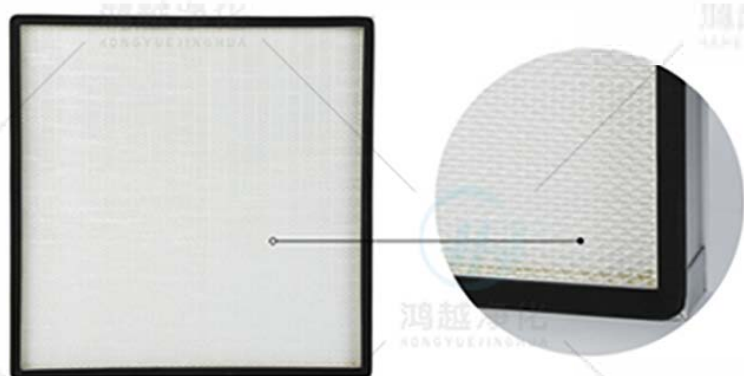
Model number	Overall dimensions (W*D*H)	Rated air volume(m³/h)	Dust capacity (g)	Initial resistance (Pa)		Final resistance (pa)	Filtration efficiency (%)
				Counting efficiency (H13)/0.3 um 99.995% or higher	Counting efficiency (H14)/0.3 um 99.995% or higher		
HY-YGB SERIES	320x320x220	500	400	≤220	≤250	≤450	≥99.99
	484x484x150	700	450				
	600x600x150	800	500				
	484x484x220	1000	500				
	610x610x150	1000	600				
	820x600x150	1200	750				
	630x630x220	1500	900				
	726x484x220	1500	750				
	915X610x150	1500	850				
	820x600x220	1500	1000				
	968x484x220	2000	1200				
	945x630x220	2200	1400				
1260x630x220	3000	1800					
remark	Customized according to customer needs can be customized according to customer needs						

# THERE ARE PARTITIONS. - HEPA FILTERS

## WORKING CHARACTERISTICS:

H series no separator high efficiency filter, with acid sand extruded aluminum surface anodized profile as the outer frame, with ultrafine glass fiber as the filter material, automatic EVA equal spacing, close pleated filter core production line molding production, with large filter area, low operating loss, large air volume, large dust capacity, long service life, high efficiency coarse, medium efficiency products incomparable advantages, The high efficiency without partition board is widely used in electronic semiconductor manufacturing, medicine, precision machinery, cosmetics and other occasions requiring high cleanliness.

## PRODUCT CHARACTERISTICS



High efficiency filter without partition

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. The filter cotton adopts ultrafine glass fiber, which has large air volume, large dust capacity and small resistance.
3. Filtration efficiency H13~H14
4. Good uniform air performance.

**Features:** High efficiency and no partition filter is mainly used for capturing dust particles below 0.3um And a variety of solids, as a variety of filtration systems not end filtration. Use ultra-fine glass The paper is used as filter material, the hot melt glue is used as partition plate, and the new polyurethane sealant is sealed and plated Zinc plate, stainless steel plate and aluminum alloy profile are made of the outer frame.

## PRODUCT DISPLAY



ALUMINUM FRAME WITHOUT PARTITION EFFICIENT



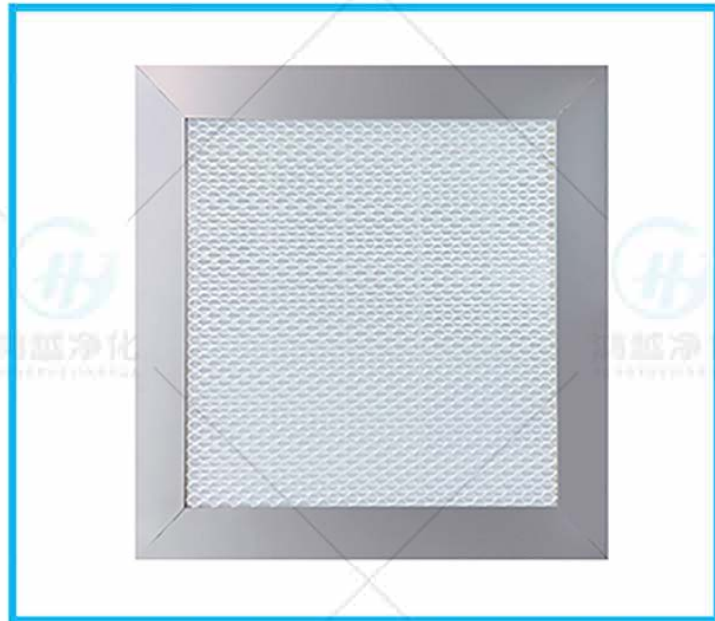
WOODEN FRAMES ARE EFFICIENT WITHOUT PARTITIONS



WOODEN FRAME WITHOUT PARTITION HIGH EFFICIENCY/WITH HANDLE



ALUMINUM FRAME WITHOUT PARTITION EFFICIENT/BACK-TO-BACK



ALUMINUM FRAME HIGH EFFICIENCY WITHOUT PARTITION/FLANGE



ALUMINUM FRAME WITHOUT PARTITION HIGH EFFICIENCY/INNER BUCKLE

## PRODUCT PARAMETER

Model number	Overall dimensions (W*D*H)	Rated air volume (m <sup>3</sup> /h)	Initial resistance (Pa)		Final resistance (pa)	Filtration efficiency (%)
			Counting efficiency (H13)/0.3 um 99.995% or higher	Counting efficiency (H14)/0.3 um 99.995% or higher		
HY-WGB SERIES	320x320x50	200	≤220	≤250	≤450	≥99.99
	484X484*50	350				
	630x630x50	500				
	320x320x70	300				
	484x484x70	500				
	630x630x70	600				
	1170x570x70	1700				
	320*320x90	500				
	484x484x90	1000				
	630x630x90	1500				
	820x600x90	2000				
	968X484x90	2000				
1260*630x90	3000					
remark	Customized according to customer needs can be customized according to customer needs					

# HIGH TEMPERATURE RESISTANT FIRST EFFECT FILTER

## WORKING CHARACTERISTICS:

High temperature resistant initial effect filter is mainly used for capturing particles, dust and all kinds of suspended matter above 5um, large air volume, small resistance and capacity High dust content, fire resistance, good chemical performance, low hygroscopicity, can be used in 400 degrees environment for a long time. High temperature resistant first effect filter media Using selected high temperature resistant glass fiber imported from Japan, it is generally suitable for primary filtration, hot air type high temperature, oven air filtration, painting factory High temperature oven air filtration, can be used galvanized sheet, aluminum alloy or stainless steel as the outer frame, high temperature resistance up to 400°C.

(ALUMINUM MESH)

## FIRST EFFECT METAL MESH HIGH TEMPERATURE FILTER



1. Filter material: multi-level cross corrugated aluminum mesh stainless steel frame.
2. Outer frame: high-quality aluminum alloy, galvanized sheet, 201 304 stainless steel outer frame.
3. Features: The multi-layer corrugated expansion aluminum mesh is arranged, and the multi-layer metal mesh makes the air change many times Flow direction, increase dust collection capacity, can be used repeatedly, cost-effective.
4. Scope of application: clean room fresh air air conditioning system, the pre-filter tyure of the fresh air unit is equal to the outside air Contact occasions, primary filtration of central air conditioning system, pre-filtration of air purification equipment inlet,Pre-filtration of ventilation system with high fire protection requirements and high temperature environment, primary filtration of filtration system, and main filtration≥10um coarse dust and foreign bodies

Model number	Overall dimensions (W*D*H)	Rated air volume (m³/h)	Initial resistance (pa)	Final resistance (pa)	Outer frame	Filter material
HY-NGW	290*595*46	1600	25	Initial resistance 2 to 2.5 times	Aluminium alloy	metal
-C250	490*595*46	2700			Galvanized plate	wavy
series	595*595*46	3200			Stainless steel	Aluminium mesh
remark	Specifications thickness can be determined: 21, 46, 69, 96mm. can be customized according to customer needs, high temperature resistance 250°C					

(GLASS FIBER COTTON)

## HIGH TEMPERATURE FILTER WITH INITIAL EFFECT PLATE



1. Frame material: high quality aluminum alloy, galvanized sheet, stainless steel frame.
2. Filter material: high temperature resistant filter cotton, glass filament long fiber.
3. Product features: filter material high temperature resistant cotton, good flame retardant performance, fire does not melt drops, does not accumulate carbon, does not shrink, No deformation. Good chemical resistance and stable performance.
4. Main uses: Suitable for industrial grade air ventilation equipment, requiring high temperature resistance and high strength ventilation system.
5. Scope of application: Used in coating machine, clean oven, tunnel oven, oven; High temperature environment Advanced filtration in the lower ventilation system, mainly filtering dust particles above 5um.

Model number	Overall dimensions (W*D*H)	Rated air volume (m³/h)	Initial resistance (pa)	Final resistance (pa)	Outer frame	Filter material
HY-NGW	290*595*46	1600	55	Initial resistance 2 to 2.5 times	Aluminium alloy	High temperature
-CC250	490*595*46	2700			Galvanized plate	resistance glass
series	595*595*46	3200			Stainless steel	Slender fibre
remark	Specifications thickness can be determined: 21, 46, 69, 96mm. can be customized according to customer needs, high temperature resistance 250°C					

## HIGH TEMPERATURE RESISTANT FILTER COTTON



### Use and Usage:

Suitable for all kinds of high temperature, fire environment ventilation equipment, dust removal equipment, air supply system filtration.

1. Air supply system of high temperature equipment such as high temperature drying room, baking road, oven, painting room and painting equipment.
2. All kinds of high temperature electromechanical equipment, equipment room and other protective dust filtering.
3. Ventilation system filtration with high fire protection requirements.
4. High temperature exhaust gas emission filtration.
5. High temperature filter material.
6. Use slices, use slices for framing, use whole volumes.

Product model	High temperature resistance	Filter material
High temperature resistant filter cotton	250 °C	Glass fibre
Filter level	Initial resistance	Test wind speed
G3	35Pa	1.5 m/s
remark	High temperature cotton thickness: 20mm, 30mm, 50mm, the whole roll of 20 meters	

# HIGH TEMPERATURE RESISTANT MEDIUM EFFECT FILTER

## WORKING CHARACTERISTICS:

The high temperature resistant filter uses a diaphragm design, the corrugated diaphragm can accurately maintain the fold spacing, under the minimum resistance, the maximum use of filter material, filter material 180 fold layer on both sides, the filter material bending with two indentation, so that it in the end of the diaphragm into a wedge-shaped box fold layer, wedge-shaped box fold layer can prevent filter material damage.

## HIGH TEMPERATURE FILTER (POLYESTER FIBER MATERIAL)



1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. Filter material: polyester fiber, with large air volume, low resistance, strong structure, high temperature resistance, repeatable cleaning Clean to use.
3. Suitable for: air conditioning system filter, dust removal equipment dust recovery filter, spraying line air powder Dust filter, can be used as a high efficiency air filter front filter

### Features:

Polyester fiber medium effect high temperature filter is mainly used to filter the particle size of 1.0 micron in the air Granules, suitable for intermediate filtration in air conditioning systems. The outer frame material is aluminum frame, galvanized iron frame, filter material With polyester fiber as filter material, it will not be deformed, broken or twisted under normal operating environment. Filter material and The tight adhesion of the outer frame prevents any air leakage.

Model number	Overall dimensions(W*D*H)	Rated air volume(m <sup>3</sup> /h)	Initial resistance (pa)	Efficiency (colorimetric %)	Outer frame	Filter material	sealant
HY-NGW -Z250 series	495*495*46	1700	120	95	Aluminium alloy Galvanized plate	polyester Fiber	High-temperature resistant type red. Silicone strip
	595*295*46	1200					
	595*595*46	2500					
remark	According to different temperature environment requirements, choose the right product, can be customized, high temperature resistance of 250°						

## MEDIUM EFFECT HIGH TEMPERATURE FILTER(F SERIES - GLASS FIBER)



1. Outer frame: high quality aluminum alloy/galvanized sheet /201# stainless steel /304# stainless steel /316# stainless steel.
2. Filter material: ultrafine glass fiber filter material, large air volume, large dust capacity, low resistance, high temperature resistance; Aluminum foil partition, moisture-proof, temperature-resistant, anti-collection deformation.
3. Scope of application: Used in coating machine, clean oven, tunnel oven, oven; High temperature environment Advanced filtration in the lower ventilation system mainly filters dust particles above 0.5um.

### Features:

Temperature: constant temperature 250°C, high temperature resistance 300°C.

Sealant: high temperature resistant red silicone.

Sealing strip: high temperature resistant red silicone strip.

Model number	Overall dimensions(W*D*H)	Rated air volume(m <sup>3</sup> /h)	Filter area (m <sup>2</sup> )	Dust capacity (g)	Initial resistance (pa)	Final resistance (pa)	Filtration efficiency (%)
HY-NGW -ZZ250 series	484x484x120	450	4.3	250	≤ 220	450	F5- F9 (60%-95%)
	610x610x120	750	6.90	400			
	915x610x120	1100	10.43	600			
	484x484x150	600	5.85	350			
	610x610x150	1000	9.39	550			
	915x610x150	1500	14.19	850			
	484x484x220	1000	9.22	550			
	630x630x220	1500	14.80	850			
	915x610x220	2500	22.35	1300			
1220x610x220	2700	24.34	1500				
peculiarity	Constant temperature 250°- High temperature resistance below 300°						
Look out	Constant temperature 250° high temperature resistance filter, outer frame can choose high quality aluminum alloy/galvanized plate /201# stainless steel / 304# stainless steel /316# stainless steel						
remark	According to different temperature environment requirements, choose the right product, can be customized, high temperature resistance of 250°						

# HIGH TEMPERATURE HIGH EFFICIENCY FILTER

(CONSTANT TEMPERATURE 250°C)

## WORKING CHARACTERISTICS:



High temperature and high efficiency filter using a partition design, corrugated partition can accurately maintain the fold spacing, in the minimum resistance, maximize the use of filter material, filter material 180 fold layer, filter material bending when two indentation, so that it at the end of the partition into a wedge-shaped box fold layer, wedge-shaped box fold layer can prevent filter material damage.

## DESIGN FEATURE



Constant temperature 250° high temperature resistance and high efficiency

1. Outer frame: high quality aluminum alloy/galvanized sheet /201# stainless steel /304# stainless steel /316# stainless steel.
2. Filter material: ultrafine glass fiber filter material, large air volume, large dust capacity, low resistance, high temperature resistance; Aluminum foil partition, moisture-proof, temperature-resistant, anti-collection deformation.
3. Filtration efficiency: H10 / H13 / H14 / U15.
4. Scope of application: Used in coating machine, clean oven, tunnel oven, oven; High temperature environment Advanced filtration in the lower ventilation system mainly filters dust particles above 0.5um. Features:  
**Temperature:** constant temperature 250°, high temperature resistance 300°.  
**Sealant:** high temperature resistant red silicone.  
**Sealing strip:** high temperature resistant red silicone strip.  
 (Note: The product comes with a third-party test report)

## PRODUCT DISPLAY



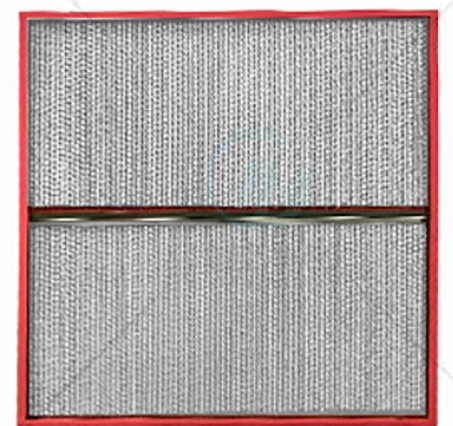
Inversion type high temperature and high efficiency/constant temperature 250°C



High temperature and high efficiency/constant temperature 250°C



Portable high temperature and high efficiency/constant temperature 250°C



Back-to-back high temperature and high efficiency/constant temperature 250°C

## PRODUCT PARAMETER

Model number	Overall dimensions(W*D*H)	Rated air volume(m³/h)	Filter area (m²)	Dust capacity (g)	Initial resistance (pa)	Final resistance (pa)	Filtration efficiency (%)
HY-NGW G250 Series	484x484x120	450	4.3	250	≤220	450	H13-H14 (99.99%-99.995%)
	610x610x120	750	6.90	400			
	915x610x120	1100	10.43	600			
	484x484x150	600	5.85	350			
	610x610x150	1000	9.39	550			
	915x610x150	1500	14.19	850			
	484x484x220	1000	9.22	550			
	630x630x220	1500	14.80	850			
	915x610x220	2500	22.35	1300			
1220x610x220	2700	24.34	1500				
peculiarity	Constant temperature 250°C High temperature resistance below 300°C						
Look out	Constant temperature 250°C high temperature high efficiency filter, outer frame can choose high quality aluminum alloy/galvanized plate /201# stainless steel / 304# stainless steel /316# stainless steel						
remark	According to different temperature environment requirements, choose the right product, can be customized						

# HIGH TEMPERATURE HIGH EFFICIENCY FILTER

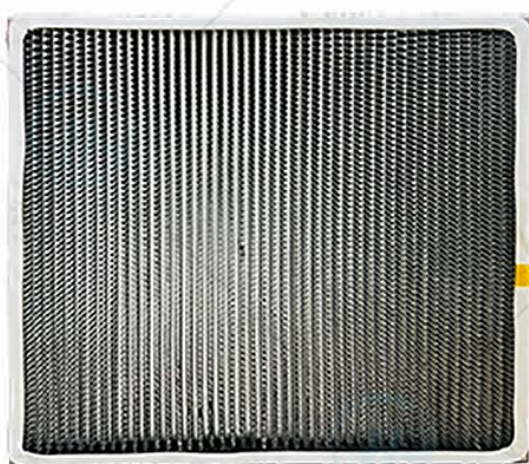
(CONSTANT TEMPERATURE 350°C)



## WORKING CHARACTERISTICS:

High temperature and high efficiency filter using a partition design, corrugated partition can accurately maintain the fold spacing, in the minimum resistance, maximize the use of filter material, filter material 180 fold layer, filter material bending when two indentation, so that it at the end of the partition into a wedge-shaped box fold layer, wedge-shaped box fold layer can prevent filter material damage.

## DESIGN FEATURE



CONSTANT TEMPERATURE 350°C  
HIGH TEMPERATURE RESISTANCE  
AND HIGH EFFICIENCY

1. Outer frame: 201# stainless steel /304# stainless steel /316# stainless steel.
2. Filter material: ultrafine glass fiber filter material, large air volume, large dust capacity, low resistance, high temperature resistance; Aluminum foil partition, moisture-proof, temperature-resistant, anti-collection deformation.
3. Filtration efficiency: H10 / H13 / H14 / U15.
4. Scope of application: Used in coating machine, clean oven, tunnel oven, oven; High temperature environment Advanced filtration in the lower ventilation system mainly filters dust particles above 0.5um.

### Features:

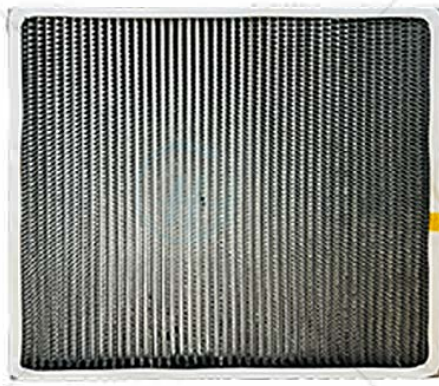
Temperature: constant temperature 350°C, high temperature resistance 400°C.

Sealant: high temperature resistant white ceramic adhesive.

Sealing strip: high temperature resistant white fiberglass tube.

(Note: Special high-temperature furnace curing glue is used before shipment)

## PRODUCT DISPLAY



Inversion type high temperature and high efficiency/  
constant temperature 350°C



High temperature and high efficiency/constant  
temperature 350°C



Portable high temperature and high efficiency/constant  
temperature 350°C



Back-to-back high temperature and high efficiency/constant  
temperature 350°C

## PRODUCT PARAMETER

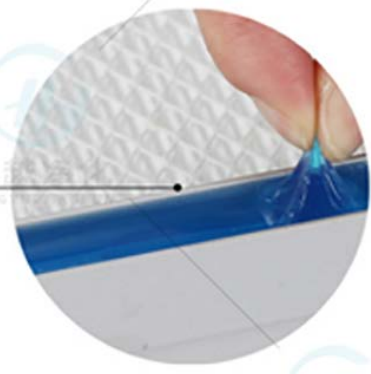
Model number	Overall dimensions(W*D*H)	Rated air volume(m <sup>3</sup> /h)	Filter area (m <sup>2</sup> )	Dust capacity (g)	Initial resistance (pa)	Final resistance (pa)	过滤效率(%)
HY-NGW -G350 series	484x484x120	450	4.3	250	≤220	450	H13-H14 (99.99%- 99.995%)
	610x610x120	750	6.90	400			
	915x610x120	1100	10.43	600			
	484x484x150	600	5.85	350			
	610x610x150	1000	9.39	550			
	915x610x150	1500	14.19	850			
	484x484x220	1000	9.22	550			
	630x630x220	1500	14.80	850			
	915x610x220	2500	22.35	1300			
1220x610x220	2700	24.34	1500				
peculiarity	Constant temperature 350°C, high temperature resistance below 400°C						
Look out	Constant temperature 350°C high temperature high efficiency filter, the outer frame must choose 201 # stainless steel /304# stainless steel /316# stainless steel						
remark	According to different temperature environment requirements, choose the right product, can be customized						

# LIQUID TANK TYPE - HIGH EFFICIENCY FILTER

## WORKING CHARACTERISTICS:

Liquid tank high efficiency filter products in the filter inlet and outlet air surface is equipped with spray protective mesh to protect the filter paper from being damaged, the shell is made of ultrafine glass fiber paper as filter material, offset paper, aluminum film and other materials as a partition board, and the wood frame aluminum alloy is glued. The gel is placed in the tank during use to ensure the sealing effect. It is widely used in clean rooms with high requirements, biosafety cabinets, biotechnology laboratories, aseptic rooms, pharmaceutical factories, research institutes

## DESIGN FEATURE



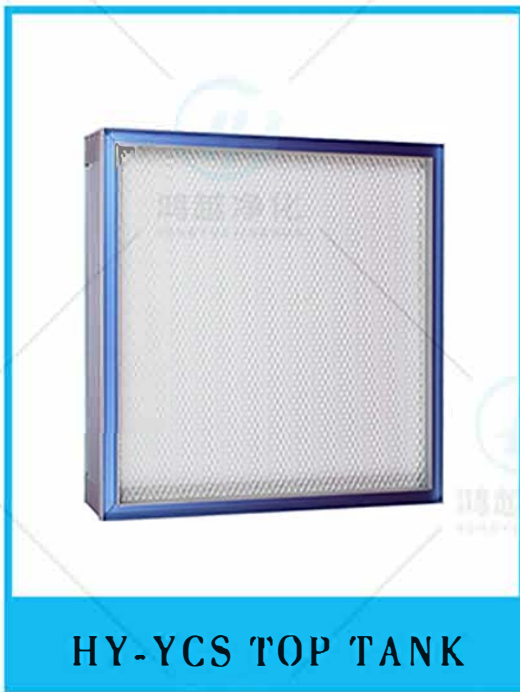
Top tank high efficiency filter

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful and durable.
2. The filter element is ultrafine glass fiber U15, which has high dust trapping and air permeability.
3. Jelly adhesive design, good sealing performance, easy installation and high efficiency.
4. Liquid tank design, efficient sealing, large air volume, large dust capacity, small resistance, good leakage repair.

### Features:

Liquid tank seal is better than the domestic commonly used machine pressure tightening device seal a way Method, the liquid tank filter is easy to install, the seal is very reliable, and it is widely used in the world Effective filter sealing method, unique liquid tank sealing method, can be matched with PAO dust outlet And concentration sampling port standard size FFU, efficient air supply port use. Fully meet the new edition GMP-E requires general and efficient air supply ports to be used together.

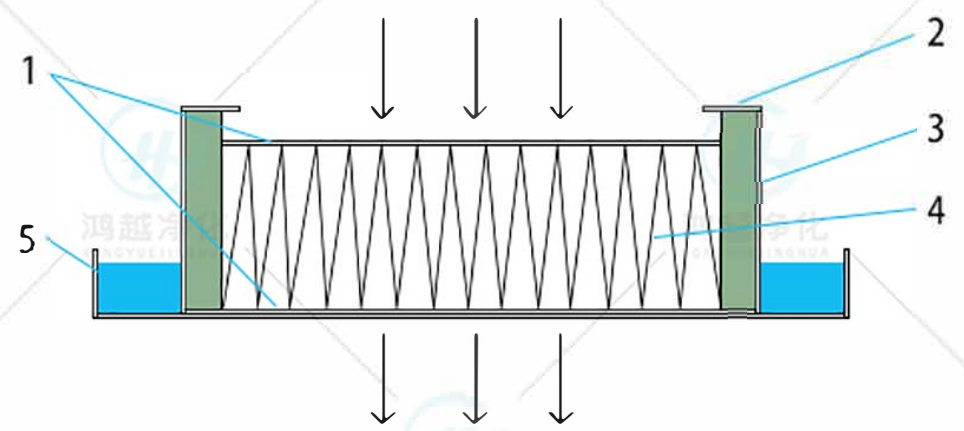
## PRODUCT DISPLAY



HY-YCS TOP TANK



HY-YCS SIDE TANK



1. Filter guard (surface paint) is used to protect filter paper
2. Filter aluminum frame (surface anodized)
3. Sealant (used to seal, fix filter paper, screen profile border)
4. Filter paper (for filtering air dust particles)
5. Jelly glue (used to seal the connection between the filter and the box, with repair performance)

## PRODUCT PARAMETER

Model number	Overall dimensions(W*D*H)	Rated air volume(m <sup>3</sup> /h)	Initial resistance (Pa) Counting efficiency (U15) 0.12um ≥ 99.999%	Aluminium alloy Frame thickness	Filtration efficiency (%)
HY-YCS top tank	320x320x95	500	≤ 250	95 mm	99.999%
	484x484x95	1000			
	630x630x95	1500			
	968x484x95	1800			
	915x610x95	1800			
	1220x630x95	2500			
HY-YCS side tank	320x320x104	500	≤ 250	104 mm	99.999%
	484x484x104	1000			
	630x630x104	1500			
	968x484x104	2000			
	915x610x104	2000			
	1220x630x104	3000			
HY-YCS side tank	320x320x93	400	≤ 250	93 mm	99.999%
	484x484x93	800			
	630x630x93	1200			
	968x484x93	1800			
	915x610x93	1800			
	1220x630x93	2500			
remark	Customized according to customer needs can be customized according to customer needs				

# ALL-IN-ONE - HIGH EFFICIENCY FILTER

(DETACHABLE, DISPOSABLE)

## WORKING CHARACTERISTICS:



The replaceable integrated high efficiency filter has two kinds of filtration efficiency, H13 and 14, which are composed of plenum and diaphragm free high efficiency filter. The aluminum profile is used as a plenum with a high efficiency filter without partition inside the box. It has strong ventilation, beautiful appearance, convenient installation and replacement. Simple maintenance, less investment, light weight, thin thickness and other advantages. Sometimes the top floor of the clean room is limited by the height of the building or must be compact. When designing, the replaceable integrated high efficiency filter can be selected.

## DESIGN FEATURE



INTEGRATED HIGH EFFICIENCY FILTER (DISPOSABLE)

1. High quality aluminum alloy profile, no rust, corrosion resistance, light and strong, beautiful. Durable. 150mm thick aluminum profile frame is available.
2. Filter material: H13-H14 ultra-fine glass fiber.
3. Filtration efficiency: H13-H14, H13:99.97-99.99% @ 0.3um H14:99.995-99.999% @ 0.3um (MPPS).
4. Air inlet flange diameter: generally  $\phi 250\text{mm}$  or  $\phi 300\text{mm}$ .
5. Box back cover material: aluminum plate or galvanized plate.
6. Uniform flow plate quality: punching mesh.
7. Other configuration: Apply 15mm thick thermal insulation foam inside.
8. Note: The top floor of the clean room is limited by the height of the building or must be compact. When designing, optional: detachable integrated high efficiency filter.
9. Suitable for: operating room, laboratory, pharmaceutical room, optical fiber equipment and food working environment with high cleanliness requirements such as processing.

## PRODUCT DISPLAY



INTEGRATED HIGH EFFICIENCY FILTER (DISPOSABLE)



INTEGRATED HIGH EFFICIENCY FILTER (DISPOSABLE)



INTEGRATED HIGH EFFICIENCY FILTER (DETACHABLE)



INTEGRATED EFFICIENT AIR SUPPLY PORT (DETACHABLE TAPE MOTOR)

## PRODUCT PARAMETER

Model number	Overall dimensions(W*D*H)	Rated air volume(m <sup>3</sup> /h)	Initial resistance (pa)	efficiency	seal	separator
HY-YTS series (Figure 1)	570x570x150	800	≤220	≥99.99%	Polyurethane adhesive	Hot melt glue
	610x610x150	1000				
	915x610x150	1400				
	1170x570x150	1700				
	1200x600x150	1800				
	1220x610x150	1900				
remark	According to customer's actual requirements, aluminum profile reference thickness: 150mm. Integrated high efficiency is divided into detachable and disposable, can contain insulation foam and do not contain, can open round hole and square, conventional $\phi 250\text{mm}$ or $\phi 300\text{mm}$ .					

# TRUSTWORTHY QUALITY

## >>> AIR FILTER

European specification

Most penetrable Particle size ratio

Colorimetric method

Sodium flame process

Old European specification

American specification

