



AERON



***PC-30
Air-Filters***

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Art nr	AERON Filter Types
603223	ACH EU-6 287x592x547/5
603221	ACH EU-6 287x592x547/6
603213	ACH EU-6 490x592x547/8
603203	ACH EU-6 592x592x547/10
603201	ACH EU-6 592x592x380/12
603323	ACH EU-7 287x592x547/5
603313	ACH EU-7 490x592x547/8
603303	ACH EU-7 592x592x547/10
603021	ACH EU-4 287x592x360/2
603922	ACH EU-4 287x592x500/2
603001	ACH EU-4 592x592x360/4
603002	ACH EU-4 592x592x500/4
603121	ACH Z-line EU-4 24x24x2"
603202	ACH EU-4 Duk 1x20m



Medium Efficiency Filter

Design Features

- Collecting 1 to 5 micron particles
- Large dust holding capacity
- High airflow rate
- Low airflow resistance
- Washable and re-usable

Common applications

- Pre-filter of high efficiency filter
- Medium filter in air conditioning system
- Air filtration in electronics, sophisticated instruments, mechanisms, metallurgy, chemical industry, textile industry, pharmaceutical industry, food industry etc.



Medium Efficiency Pocket Instructions

Unique pocket design ensures uniform airflow throughout the entire filter bag. It is also able to avoid overcrowding problems between pockets and preclude leakage, thus reducing airflow resistance and offering maximum dust holding capacity. The bag support grid guard against shrinkage and buckling distortion of filter under bad working conditions. F multi-pocket bag filters are ideal pre-filters and medium efficiency filters working in humid, high airflow rates and high dust loading condition. They are successfully used in pharmaceutical industry, automotive industry, food manufacturing industry, commercial building and ventilation system. Our company provides imported US H&V media and home-made media. Clients can make a choice of the media according to the actual utilizing condition.

Pocket Design

Robust and leak-proof multi-pocket design of the F bag filter precludes air bypass. The pockets are sealed at 3 sides and joints at the back of the grid are also sealed with adhesive to prevent shrinkage and torn of the pockets. The filter is equipped with unique additional edge safety stitch which helps to prevent dirty air bypass and each stitch is sealed with a thermoplastic adhesive to prevent leakage and media break off.

Qualified and Lofty Synthetic Fiber Media Ensuring Maximum Filtering Efficiency

F multi-pocket bag filter features dual layer of unique permanent and water-proof synthetic media. The first coarse layer traps comparatively larger and heavier particles in the air, while the second fine layer reinforces stability of the filter and traps comparatively smaller particles in the air. The dual layer design ensures low airflow resistance, high dust holding capacity and longer service life.

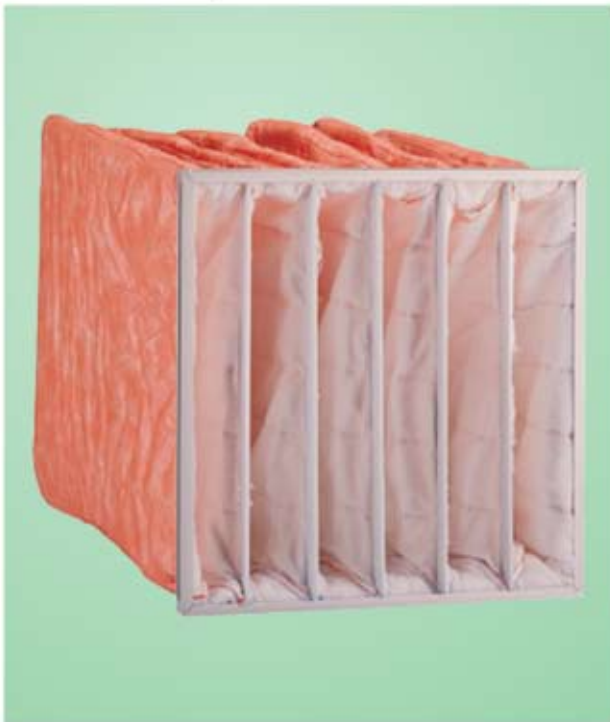
Efficiencies Available

We can provide filters of various types and efficiencies which are able to meet the needs of special clean air requirements.

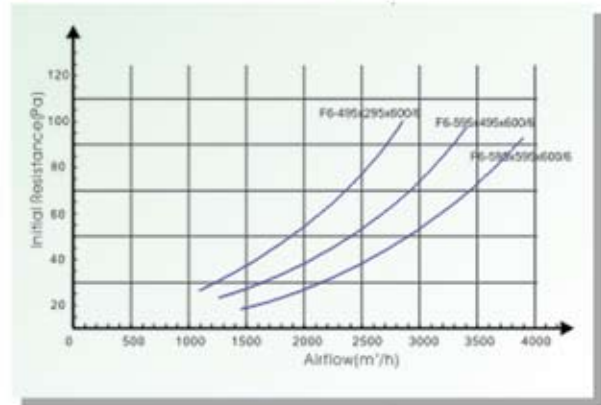
Efficiency		Media Color	
F8	90-95%	pale yellow	yellow(imported)
F7	80-85%	purple	pink(imported)
F6	60-65%	(imported)green or orange	
F5	40-55%	deep yellow	



F6 Medium Efficiency Pocket Filter



Specification Airflow VS Resistance



Standard Specification

Model	Dimensions (W*H*D) mm	Number of pockets	Airflow m³/h	Initial Resistance Pa	Efficiency (ASHRAE)/Grade (EN779)		Material	
							Frame	Media
F6	595x595x600	6	3200	55	60-70%	F6	aluminum alloy	synthetic
	595x595x600	5	2700					
	595x495x600	6	2500					
	495x295x600	6	1600					
	495x295 x600	4	1300					

We can customized make air filters. The media color in the picture is only representative. The actual color depends on the real object.

F7 MEDIUM EFFICIENCY POCKET FILTER



F7

Medium Efficiency Pocket Filter



Specification Airflow VS Resistance



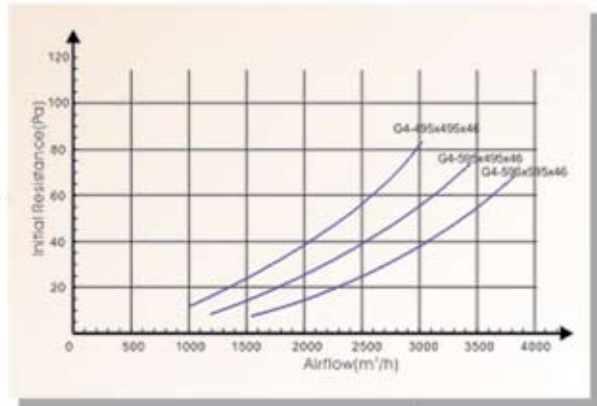
Model	Dimensions (W*H*D) mm	Number of pockets	Airflow m³/h	Initial Resistance Pa	Efficiency (ASHRAE)/Grade (EN779)		Material	
							Frame	Media
F7	595x595x600	10	3200	110	80-85%	F7	aluminum alloy galvanized plate	synthetic
	595x595x600	8	3000					
	595x495x600	10	2700					
	495x295x600	10	1600					
	495x295 x600	8	1300					

We can customized make air filters. The media color in the picture is only representative. The actual color depends on the real object.



G4 Primary Filter

Specification Airflow VS Resistance



Standard Specification

Model	Dimensions (W*H*D) mm	Airflow m³/h	Initial Resistance Pa	Efficiency (ASHRAE52.1) /Grade (EN779)			Material		
							Frame	Media	Guard net
G4	595x595x46	3200	45	90%	G4	Cardboard	synthetic	plastic coated steel on both sides	
	595x495x46	2700				aluminum alloy			
	595x295x46	1600				galvanized plate			
	495x495x46	2200							
	295x295x46	800							

We can customized make air filters. The media color in the picture is only representative. The actual color depends on the real object.



Activated Carbon Primary Filter

Design Features

- Activated carbon felt media
- Large media surface with strong absorption capability
- Quick eliminating of harmful gases, ensuring clean air

Common Applications

- Eliminating unpleasant odors and treating contaminated air in ventilation system of air conditioning
- Absorption and eliminating harmful gases such as benzene, formaldehyde, ammonia gas etc
- Solvent recovery



Unpleasant Odor Control in Automobile

Activated Carbon Filter mainly helps to eliminate gases, hair, irritating odor, smog, thus increasing return air proportion and reducing energy consumption in heating and cooling system. Activated Carbon Filter containing 63% or higher carbon tetrachloride fits through cabinet manufactured by most factories.

Standard Specification

Model	(W*H*D) mm	Nominal Airflow m ³ /h	Resistance Pa	Material	
				Frame	Media
GC	595x595x46	3200	40	aluminum alloy galvanized plate	activated felt activated carbon fiber
	595x495x46	2700			
	595x295x46	1600			
	495x495x46	2200			
	495x295 X46	1300			
	295x295 X46	800			

Appropriate Use of Activated Carbon Filter

- Time for air passing through activated carbon layer longer than 0.1 second
- Eliminate dust and fine droplets in air before-head
- Installation of dust removal filter on downstream side precluding carbon powder contaminating the ventilation system
- 50°C maximum air-stream
- 80% maximum relative air-stream humidity
- Replacing the filter periodically according to the actual condition

We can customize filters.



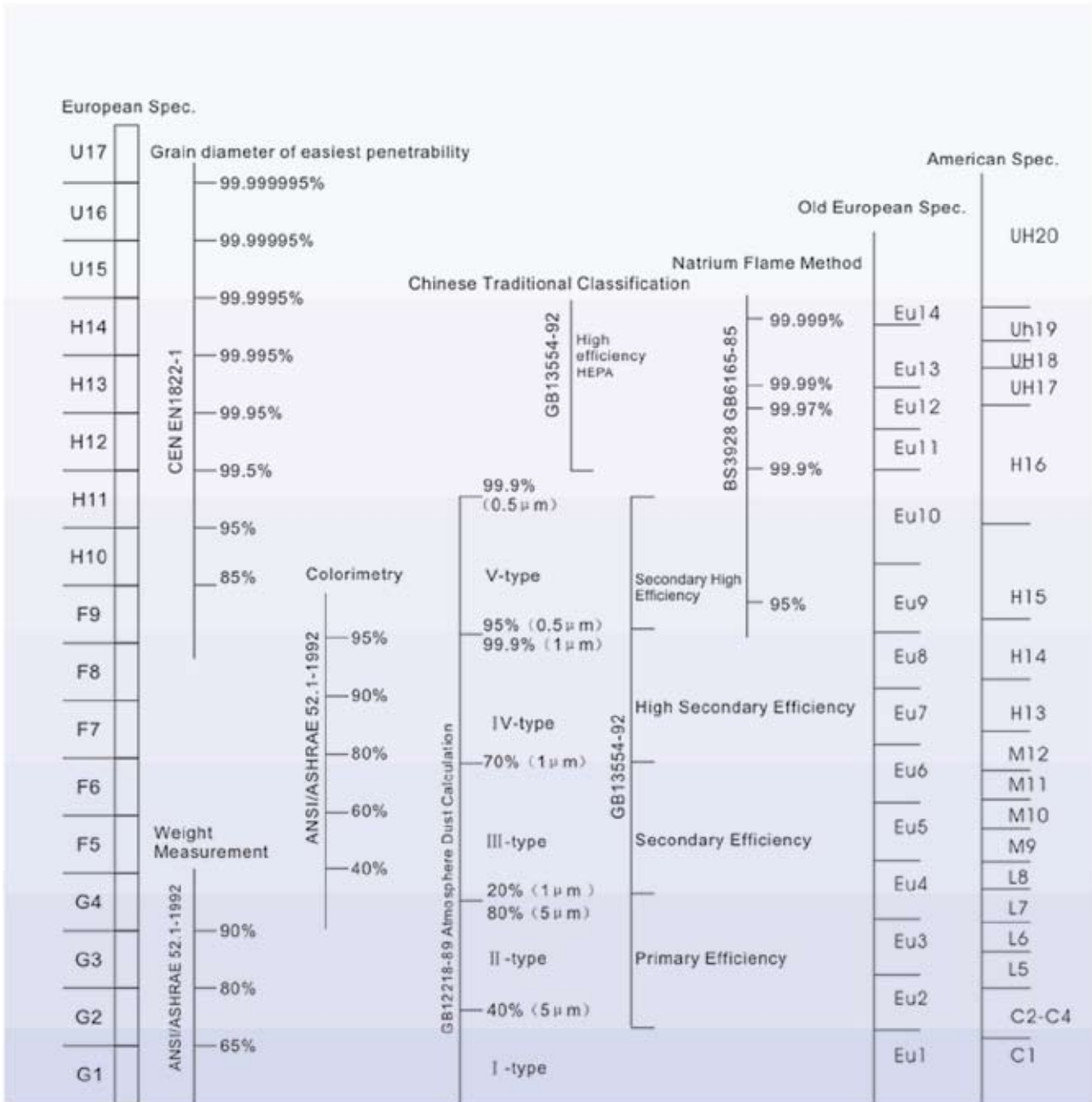
Typical Locations for GC Activated Filter

Locations	Main Pollutant	Special Requirement	Remark
Airport Terminal Building	burning emissions, gasoline, unpleasant odor	ordinary	first impression of passengers
Chip manufacturing plant	all sorts of chemical air pollutant, solvent, A, B, C, D	supplier providing testing on site	labor insurance and environmental insurance needed for wire 0.5 um in width
Nuclear power station	iodomethane, iodine	reliability, quality assurance	meet the security needs of the nuclear industry
Museum&library	VOCs,NOx,SO ₂	ordinary	protected rarity
Building sewage treating station	irritating odor, ammonia, sulfureted hydrogen	high absorption capacity	eliminate grease marks and unpleasant odor
Sewage aeration site	irritating odor, ammonia, sulfureted hydrogen	high absorption capacity	eliminate unpleasant odor
Polyurethane worksite	vunlcabond	ordinary	applications in ventilation system and environmental protection
Film factory	solvent	equipped with recycling equipment	solvent recycle, environmental protection
Sedan limousine	automobile emissions	compactness, rapid replacement	luxury
Household air-purifier	smoke, unpleasant body odor	attractive to the eye, inexpensive, bring up satisfaction to the user	applications in supermarket and ordinary stores
Household air condition	unpleasant odor	good brand name, attractive to the eye	additional functions needed
Comfort central air condition in top grade place	unpleasant odor, local pollutant	long operating life, reasonably priced, easy maintenance	meet the high needs of inside clean air
Gas mask	all sorts of toxic pollutant	broad-spectrum absorption capacity	
crematory adjacent to residential area	unpleasant odor	ordinary	
Refrigeratory and refrigerated container for fresh fruit and vegetable	ethylene		keeping fresh for food and vegetable during transportation with the use of activated carbon and photochemical catalysis
Military use	all sorts of toxic pollutant	broad-spectrum absorption capacity	simple structure, stringent testing requirement

AIR FILTER EFFICIENCY COMPARISON CHART



Air filter efficiency comparison chart



China GB13554-92	Primary Efficiency			Secondary Efficiency			High Secondary Efficiency			Secondary High Efficiency		High Efficiency			
Europe EN779	G1	G2	G3	G4	F5	F6	F7	F8	F9	H10	H11	H12	H13	H14	U15-U17
Europe Eurovent	Eu1	Eu2	Eu3	Eu4	Eu5	Eu6	Eu7	Eu8	Eu9	Eu10	Eu11	Eu12	Eu13	Eu14	