

AIR FILTRATION

PRODUCT SERIES



F-TEX

FTEX INNOVATION OF AIR FILTER
FILTER MATCH CO.,LTD.

About us

FTEX air filter import and manufacturing was established in 2002, Our core business involved to the manufacturing of air filter replacement and cleanroom equipment,

FTEX has been continuously expanding our product with a wide range of air filter to support automotive paint spray booth industry, micro electronic industry, Gas turbine, Food industry, Pharmaceutical, and HVAC.

FTEX products are specializing in highest quality performance and reliability material with OEM factory from ITALY, USA and VIETNAM with testing facility and certificate, to provide best in class product and service, under brand which include Vellotex, Vilberg, FTEX, VAF Ebraco, TRIDM, DAFF and other.

Core value

- Quality of products,
- A philosophy of continuous improvement to international standard
- A reliable production system
- Fastest shipping of any product in Ex-stock

Our partner

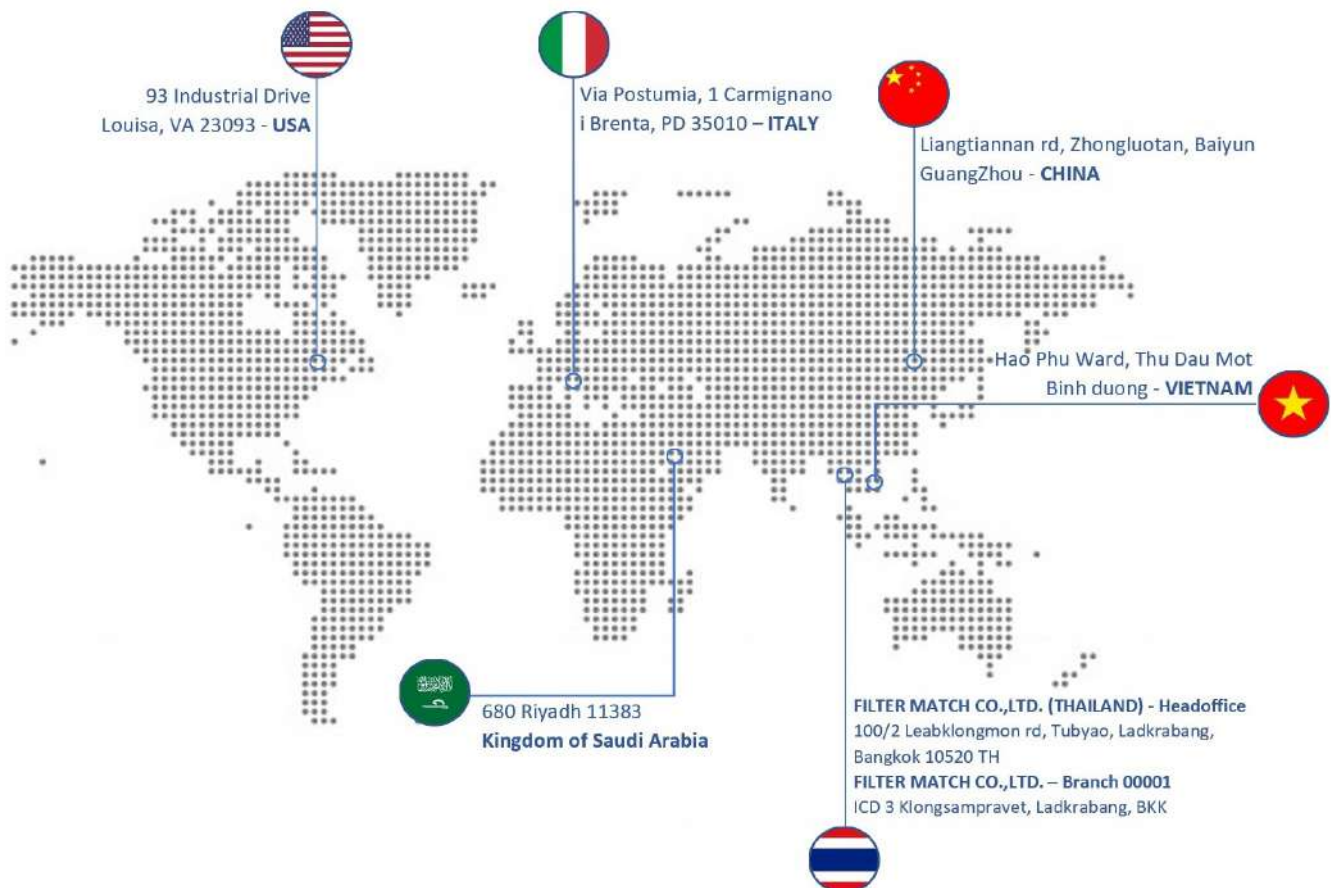
Now a day, FTEX have OEM partner for global reach with special technical and R&D facilities in other product. Vellotex(O.R.V.), TRIDM media for special list in paint spray booth product type and VAF, H&V for special list in clean room product.

From our OEM factory around the world we finding the best product to serve our customer with the best price that we also confidently in quality of product with standard of production and testing certify

FTEX will always be the brand to strive to create a better value air solution product to the human race and be the leader in clean air solution

Our global reach

FTEX sales and manufacturing now we continuous to make many type of filter in our plant, and our partner still reached in 7 Countries, as Italy, Vietnam, USA, Saudi-arabia, Malaysia, Korea and China. Our expert partner teams across the globe will able to provide you solutions of your clean air inquiry



Air filtration

Filters are used as the identifier factor of air quality in ventilation systems. Despite the simple structure of these filter element having a significant role in the air quality identification, they should be produced within the framework of very precise measurement and standards.

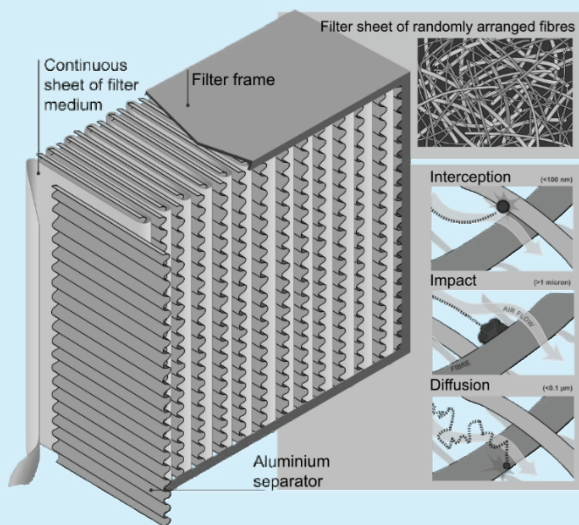
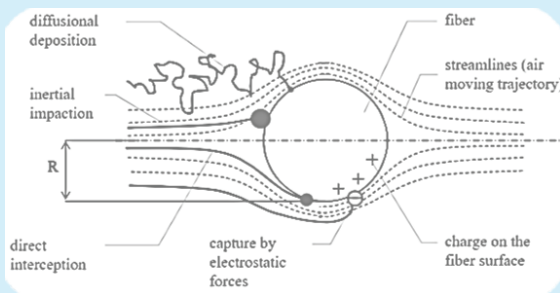
Appropriate filter should be used in order to capture the particles, power, dust, Etc. in the air conditioning plant and ventilating systems, perform the necessary segregations in the ventilator inlets and decrease the viruses and bacteria in the supply air.

Surface and depth of filtration

All particles which are bigger than pores are captured On the flat filter surface. Thus these filter the pores distribution and permeability are important properties.

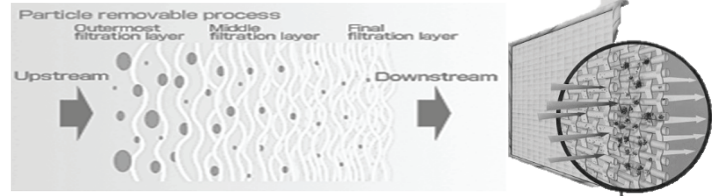
Depth filter are able to capture particles that are too small to be sieved out as in flat filtration. Particles, which smaller than distances between the fibers penetrate into the fiber structure. Filtered particles are captured in term of the filtration mechanisms properties.

Mechanisms properties



Air filter media

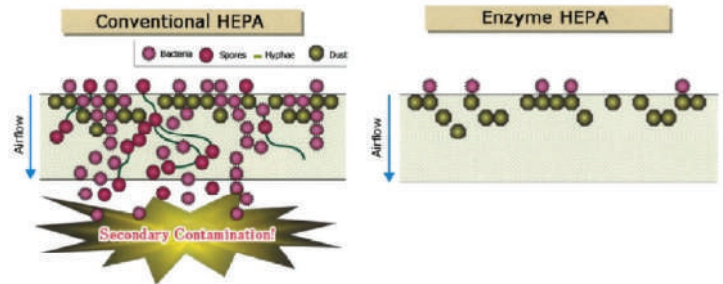
Excellent dust collecting efficiency, filter media with three dimensional structure has high efficiency by operating a deep filtering function because it becomes denser with processing going toward the direction of air flowing.



BIOPROTECT Technology

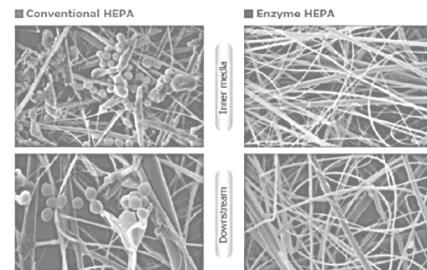
VAF able to offer our filter from fine filter to HEPA and ULPA with our latest BIOPROTECT anti-bacteria technology media from H&V media USA,

Our new anti-bacteria technology eliminate active bacteria propagation, spore growth and contamination that found on used conventional filters, Conventional filter media allows the bacteria and fungal develop on the used media will be damaged by the propagation of the bacteria and spore, which results in second contamination. This BIOPROTECT filters prevent any



BIOPROTECH designed

The bioprotech filters are special designed for pharmaceutical, food & beverage production, laboratories and hospitals, which stringing and critical clean environment. Bioprotech filter technology, the concern of secondary contamination shall be reduced, and furthermore the filter lifespan can be prolonged



Standards of high efficiency filter classification and testing method

Comparison of EN779 and ISO 16890

The direct conversion of EN779 and ISO 16890 classes is not possible. To facilitate an indicative comparison, particularly for the purpose of replacing existing filters, the Eurovent Association has developed a table matching both of EN779 and ISO 16890 classes tested for the same filters. The comparison shows the actual overlapping of EN779 and ISO 16890 classes and was developed based on real test data 91 filters provided by Eurovent Certita certification.

ASHRAE 52.2 2012	FILTER CLASS		ISO 16890 : 2016		
MERV RATING	EN779 : 2012		ePM1	ePM2.5	ePM10
Average efficiency of 0.4 µm 52.1 dust spot					
9-10	40 = E = 60 %	M5	5 - 35 %	10 - 45 %	40 - 70 %
11-12	60 = E = 80 %	M6	10 - 40 %	20 - 50 %	60 - 80 %
13	80 = E = 90 %	M7	40 - 65 %	65 - 75 %	80 - 90 %
14	90 = E = 95 %	M8	65 - 90 %	75 - 95 %	90 - 100%
15-16	= 95 %	M9	80 - 90 %	85 - 95 %	90 - 100%

Main differences of the test method between EN779:2012 and ISO 2016

EN 779	Efficiency on particulate matter (ePM)	
0.4µm particle by fine filter classification	ePMx - Concentration of mass of particles with an optical dia meter from 0.3µm and x µm	
M5 - F9 particle size 0.4µm	ePM10	0.3 - 10 µm
	ePM2.5	0.3 - 2.5 µm
	ePM1	0.3 - 1 µm
Measure of powder feed and particle efficiency - in steps of up to 450 Pa of pressure drop final -Average efficiency	Average efficiency = Average value of initial efficiency and conditional efficiency.	
Conditioning (discharge) of a portion of medium (F7-F9) in liquid isopropanol	Final pressure drop : 200 Pa (Coarse) 300 Pa (Pmx).	
	Condition (discharge) of a complete filter in IPA steam chamber.	
Test powder : ASHRAE	Test powder : ISO A2 / fine AC	

EN1822 Testing method for high efficiency air filters

The European filter testing standard is the most important basis for testing and classifying absolute filters. The filter is assigned to the relevant filter class using results from local arrestance and integral arrestance.

EN1822 Individual test certificate

An individual test report and serial number are produced for filters in classes H13 and higher. There fore each filter from H13 can be assigned to its own individual test. Individual testing of EPA filter is not necessary. EPA filter are tested in the course of sample testing, whereby the arrestance is obtained as a mean value from random measurements.

Classification, test performance and identification

EN1822-1:2009 set group

- Group E:EPA – Efficient particulate air filter (E10-12)
- Group H:HEPA – High efficiency-particulate air filter (H13-14)
- Group U:ULPA – Ultra low penetration air filter(U15-17)

Leak testing of filter elements (Scan method)

Leak testing can occur due to faults in the filter media, improper sealing between the pleat pack and frame or irregularities when handling the components. On account of the high filtration efficiency expected of absolute filters, even the smallest leaks (that are hardly visible to the human eye) can produce increased local particle concentrations.

For the automated process (scan test), the filter element is set up in a test rig and a DEHS test aerosol is then applied. The mean particle size of particle in the range of the MPPS. The flow side of filter is approached using probes on computer-controlled linear axis. At each point of clean side, If the aerosol concentration does not exceed the require limit at any of the points, the filter is deemed to be leak free.

Filter Class	Integral Value		Local Value	
	Efficiency (%)	Penetration (%)	Efficiency (%)	Penetration (%)
E10	≥ 85	≤ 15		
E11	≥ 95	≤ 5		
E12	≥ 99.5	≤ 0.5		
H13	≥ 99.95	≤ 0.05	≥ 99.75	≤ 0.25
H14	≥ 99.995	≤ 0.005	≥ 99.975	≤ 0.025
U15	≥ 99.9995	≤ 0.0005	≥ 99.9975	≤ 0.0025
U16	≥ 99.99995	≤ 0.00005	≥ 99.99975	≤ 0.00025
U17	≥ 99.999995	≤ 0.000005	≥ 99.99999	≤ 0.0001

Determination of the integral filter efficiency. This value is usually calculated as mean of the local individual efficiency. Alternatively, an individual measurement with fixed sampling probes is also permissible.

Highest quality production, International Standard

Our technology

FILTER MATCH, We have continuous develop and upgrade new production facilities and machinery in order. And finding the specialist partner of each OEM production plant to support all kind of air filter element to our customer.

Robotic gasket foaming station

All our filter gasket are foam by a robotic station with special polyurethane mixture to create a endless gasket in the filter frame. This is to ensure all filter fully sealed after installation and give the best performance for our clients.

Advance HEPA leak test station

Vietnam and Malaysia production plant have an advance HEPA Filter leak test equipment which used to do integrity challenge up to ULPA grade. The test machine provide the full test result included the graph. And our production plant still test 100% of our HEPA and ULPA filters.

EU regulation testing method

O.R.V. Manufacturing, con il marchio Vellotex/FTEX, garantisce dei propri media filtranti attraverso la conformità alle più restrittive normative Europe, come la EN 779:2012 e la nuova ISO 16890, che contengono i requisiti che devono essere soddisfatti e descrivono i methodi prova per misurare le prestazioni. Anche la resistenza al fuoco è assolutamente garantita, per un Sistema di certificazione globale di cui ci si può fidare. Con Vellotex, la sicurezza si respire.

Through its Vellotex/FTEX brand, O.R.V. Manufacturing ensures the excellent performance of its filter media, in compliance with the most stringent EU regulations, such as EN 779:2012 and the new ISO 16890, which contain the requirements and performance testing methods. Fire-resistance is also guaranteed for a global certification you can trust. Breathe safety with Vellotex/FTEX

ITALY – Production plant (Via Postumia, 1-35010 Carmignano Di Brenta(PD)-ITALY)
ISO 9001:2015 – IT252557 Design and manufacturing of nonwovens, synthetic fiber
FSC A000504 – Certificate No. BV-COC-117657 Manufacturing synthetic product
OEKO-TEX STD100 – RM002 157627 OETI/RM015 166624 OETI Certification guarantees that product is free from harmful substances.
TÜV ITALIA – TUVIT-LMR-0019 rev.2

Cleanroom & Equipment

Sản phẩm thiết bị và phòng sạch của chúng tôi, chúng tôi hợp tác với VAF, công ty đầu tiên tại Việt Nam chuyên sản xuất thiết bị lọc không khí và phòng sạch là sản phẩm chất lượng cao bằng cách sử dụng tự động hóa và các cơ sở thử nghiệm trong nhà để cung cấp sản phẩm tốt nhất và liên tục mở rộng khả năng sản phẩm để cung cấp sản phẩm và dịch vụ của chúng tôi cho khách hàng và đại lý trên khắp Châu Á

Our cleanroom and equipment product we cooperate with VAF whose the first company in Vietnam that specializing in manufacturing air filtration and cleanroom equipment as high quality product by utilizing automation and in-house testing facilities to provide best in product class and continuous expanding product capability to supply our product and service to customers and dealer around Asia

Vietnam – Production plant (Lot C3.4, N14 Road, Dong An 2 IP, Hoa Phu Ward, Thu Dua Mot City, Binh Duong Province, Vietnam)

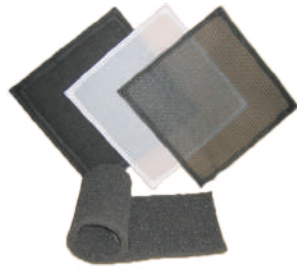
ISO 9001:2015 – Certificate No.686481 IAF/UKAS Quality management system of Manufacturing of air filter and cleanroom equipment product.

EN 779:2012 – Certificate No.TQC.20.037 IAF/TQC center for testing and quality certification
EN1822-5:2009 – Certificate No.TQC.22.037-1 IAF/TQC EUROPEAN STANDARD



PRE FILTER SERIES

PPnet nylon filter Fila - PP



Coarse

Filter class : Mesh No. 38 and 46 for air filter application
Material : PPnet nylon mesh scrim
Support : Wire frame custom added
Std. depth : 5 MM.
Frame : Wire frame, Aluminum frame

Pleated prefilter Fila - Pre



Coarse **ePM10** **ePM1**

Filter class : G3 G4 F7
Material : Non-woven cotton synthetic blend
Support : Media laminated with expanded diamond grid
Std. depth : 22,44,48,95 MM.
Frame : Beverage board, Aluminum frame

Synthetic washable prefilter Fila - Wash



Coarse **ePM10**

Filter class : G2 G3 G4 M5
Material : Synthetic washable prefilter ITA
Support : Reusable filter frame with 4mm wire support
Std. depth : 9,14,19,22,45,47,95 MM.
Frame : Aluminum extrude, SUS304, Galvanized

Synthetic roll filter Vellotex - P Series



Coarse

Filter class : G2 G3 G4
Material : Synthetic washable prefilter ITA
Support : Reusable filter frame with 4mm wire support
Std.thk : 5, 10, 15, 20 MM.
Fire retardant : F1 DIN 53438

Synthetic roll filter Vellotex - F Series



ePM10

Filter class : M5
Material : Synthetic fine filter ITA
Support : Media laminated with fiber scrim on air leaving side
Std.thk : 15, 20 MM.
Fire retardant : F1 DIN 53438

Aluminum foil filter Fila - AL Series



Coarse

Filter class : G2 G3
Material : Aluminum foil filter 9 Layer (5/8") KSA
Support : Expanded metal grid, Aluminum bar, ETC
Std. depth : 9,14,19,22,45,47,95 MM.
Frame : Aluminum extrude, SUS304, Galvanized

Automatic roll filter AT - G Series AT - S Series



Coarse

Filter class : G2 G3 G4
Material : Synthetic, Fiberglass
Support : Media laminated with fiber scrim on air leaving side
Std. depth : 10MM. and 2 inch
Core : Custom made to replace with any machine
Cover case : Replaceable custom GI cover case still on require

MEDIUM FILTER SERIES

Std. Medium filter

Puracel - I



ePM10 ePM2.5 ePM1

Filter class : M6 - F9
 Material : Fiberglass
 Support : Aluminum separator
 Std. depth : 150, 292 MM.
 Frame Mat.: Galvanized, Aluminum
 Frame Type : Single header, Double header, None

Minipleat Medium filter

Puracel - II

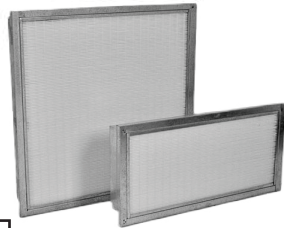


ePM10 ePM2.5 ePM1

Filter class : M6 - F9
 Material : Fiberglass
 Support : Hot melt separator
 Std. depth : 25, 44, 95 MM.
 Frame : Beverage board
 Frame Type : None header

Minipleat Medium filter

Puracel - MH

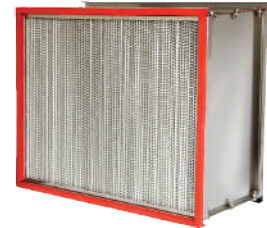


ePM10 ePM2.5 ePM1

Filter class : M6 - F9
 Material : Fiberglass
 Support : Hot melt separator custom added powercoat support
 Std. depth : 95, 150, 292 MM.
 Frame : Galvanized, Aluminum
 Frame Type : Single header, Double header, None

High temp Medium filter

Puracel - HT



ePM10 ePM2.5 ePM1

Filter class : M6 - F9
 Material : Fiberglass
 Support : Hot melt separator custom added powercoat support
 Std. depth : 95, 150, 292 MM.
 Frame : Galvanized, Aluminum
 Frame Type : Single header, Double header, None

V Medium filter

Puracel - V



ePM10 ePM2.5 ePM1

Filter class : M6 - F9
 Material : Fiberglass
 Support : Hot melt separator
 Std. depth : 292 MM.
 Frame Mat.: ABS plastic, Aluminum
 Frame Type : Single header, None

VB Medium filter

Puracel - VBX



ePM10 ePM2.5 ePM1

Filter class : M6 - F9
 Material : Fiberglass
 Support : Hot melt separator
 Std. depth : 292 MM.
 Frame Mat.: ABS plastic, Aluminum, Galvanized
 Frame Type : Box type, None

POCKET FILTER SERIES

PRE FILTER SERIES

MEDIUM FILTER SERIES

POCKET FILTER SERIES

HEPA FILTER SERIES

PAINT BOOTH FILTER

CARBON FILTER SERIES

FILTER EQUIPMENT

CARTRIDGE FILTER

Synthetic pocket P-filter

Purapak - I



Coarse ePM10

Filter class : G3 G4 M5
Material : Synthetic prefilter media
Support : Galvanized wire supprt
Std. depth : 300 - 914 MM.
Frame : Aluminum extrude

Synthetic pocket M-filter

Purapak - II



ePM10 ePM2.5 ePM1

Filter class : G4 M5 M6 F7 F8 F9
Material : Melt blown synthetic media
Support : Galvanized wire supprt
Std. depth : 300 - 914 MM.
Frame : Aluminum extrude

Spray booth pocket filter

Purapak - SB



Coarse ePM10

Filter class : G2 G3 G4
Material : Synthetic prefilter media
Support : Galvanized wire supprt
Std. depth : 150 - 914 MM.
Frame : Aluminum extrude, Wire frame, None

Meltblown Medium - deep

Purapak - MB

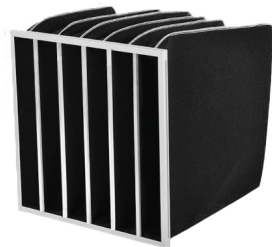


Coarse ePM10 ePM2.5

Filter class : M6 - F8
Material : Melt blown synthetic media
Support : Media laminated with expanded diamond grid scrim
Std.thk : 150, 292 MM.
Frame : Galvanized, Aluminum
Frame Type : Double header, None

Synthetic pocket C-filter

Purapak - C



Coarse

Filter class : Non
Material : Synthetic carbon media
Support : Galvanized wire supprt
Std.thk : 150 - 914 MM.
Fire retardant : Aluminum extrude

Rigid pocket H-filter

Purapak - RG



Coarse ePM10

Filter class : G4 - F9
Material : 100% Synthetic media
Support : Hot melt separator
Std. depth : 500, 640 MM.
Frame : Molded frame

PE/PP Dust collector

Purabag - PP/PE



M

Filter class : Micron rating 1-200 µm
Material : Polyester(PE), Polypropylene(PP), Nylon, Nomex
Treatment : PTFE membrane, Anti-static, Fire-retardant, Oil and water proof
Ring : N/A, Spring, SUS, PP, Plastic
Process : Sewing

HEPA FILTER SERIES

Std. HEPA filter HEPATEC - I HEPATEC - HC



H

Filter class : H13, H14
Material : Fiberglass
Support : Aluminum separator
Std. depth : 150, 292 MM.
Frame Mat. : Galvanized, Aluminum
Frame Type : Single header, Double header, None

High temp HEPA filter HEPATEC - HT



H

Filter class : H13, H14
Material : Fiberglass
Support : Aluminum separator
Std. depth : 150, 292 MM.
Frame Mat. : Galvanized, Aluminum
Frame Type : Single header, Double header, None

Minipleat HEPA filter HEPATEC - MH



H

Filter class : H13, H14
Material : Fiberglass
Support : Hot melt separator custom added
powercoat support
Std. depth : 95, 150, 292 MM.
Frame : Galvanized, Aluminum
Frame Type : Single header, Double header, None

V HEPA filter HEPATEC - V



E

H

Filter class : H13, H14, E10, E12, H13, H14
Material : Fiberglass
Support : Hot melt separator
Std. depth : 292 MM.
Frame : ABS plastic, Aluminum
Frame Type : Single header, None

VB HEPA filter HEPATEC - VBX



H

Filter class : H13, H14
Material : Fiberglass
Support : Hot melt separator
Std. depth : 292 MM.
Frame : ABS plastic, Aluminum, Galvanized
Frame Type : Box type, None

HEPA ceiling module HCB - Module Series



H

Filter class : H14 EN1822
Material : Fiberglass
Support : Hot melt separator
Std. depth : 24x24, 24x48 inch.
Frame Mat. : Aluminum, Galvanized, SUS
Frame Type : Replaceable and Non-replaceable

Fan filter unit HEPATEC - VBX



H

Filter class : H14 EN1822
Material : Fiberglass
Power supply : 220V 1 phase AC FAN, EC FAN
Std. depth : 24x24, 24x48 inch
Frame : Aluminum, Galvanized, SUS
Frame Type : Replaceable and Non-replaceable

PAINT BOOTH FILTER SERIES

Fiberglass paint stop

PASX - 75
PASX - 100



Coarse

Filter class : G2 G3
Material : Fiberglass
Support : None, Using with frame
Std.thk : 75, 100 MM.
Fire retardant : F1 DIN 53438
Std. width : 0.5, 0.7, 0.75, 0.85, 1.0, 2.0 M.

Oven filter

OVA - AI100W



Coarse

Filter class : G3
Material : Aramide
Support : Reusable filter frame with 4mm wire support
Std. depth : 20 MM.
Frame : Aluminum extrude, SUS304, Galvanized

Overspray Paper filter

Andreae



Coarse

Filter class : None, Using with frame
Material : V-pleated paper beverage cardboard
Support : Galvanized wire supprt
Std. depth : 150 - 914 MM.
Frame : Aluminum extrude

Spray booth pocket filter

Purapak - SB



Coarse

Filter class : G2 G3 G4
Material : Synthetic prefilter media
Support : Galvanized wire supprt
Std. depth : 150 - 914 MM.
Frame : Aluminum extrude, Wire frame, None

Ceiling filter

Vellotex - AR Series



ePM10

Filter class : M5
Material : Synthetic ceiling fine filter
Support : Media laminated with fiber scrim on air leaving side
Std.thk : 20-22MM.
Fire retardant : F1 DIN 53438

Oven fiberglass filter

OVG - SURMAT 300



Coarse

Filter class : G3
Material : Glassfiber
Support : Aluminum expanded diamond grid
Std. width : 0.9, 1.0 M.
Fire retardant : Non-flammable

Stainless screen/ Nylonfilament

S Mesh - SUS Series
N Mesh - Nylon Series

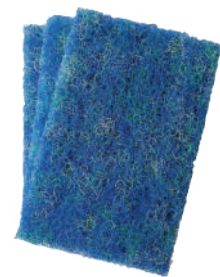


Coarse

Filter class : Mesh count 10-500
Material : SUS304, SUS316, JPPNylon screen
Support : None
Std. width : 1, 1.2, 1.5, 1.6M.
Frame : None

PE pond filter

Pond - PET38

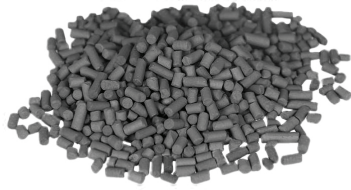


Coarse

Filter class : None
Material : PET monofilament
Std. depth : 40MM.
Std. size : 1.0x2.0 M.
Frame : Aluminum extrude, Wire frame, None
Color : Blue, Green

CARBON FILTER SERIES

Virgin activated carbon AC22/21



Iodine : 900
 Material : Coal base activated carbon
 Shape : Extruded in cylinders shape 4MM. Diameter
 Std. Pack : 25 Kg.
 Frame : Aluminum frame with SUS-Screen faceguard

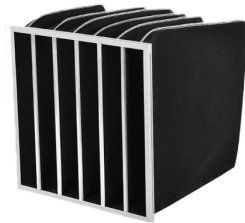
Synthetic Carbon filter FC1035 - Roll FC0535 - Roll



Coarse

Filter class : None
 Material : Synthetic filter coating with powder carbon component
 Std.thk : 5, 10 MM.
 Frame : Aluminum, Galvanized, SUS
 Support : Wire pleated support

Synthetic pocket C-filter Purapak - C



Coarse

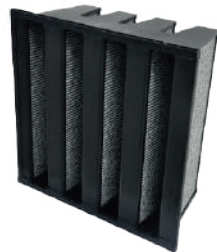
Filter class : None
 Material : Synthetic filter coating with powder carbon component
 Support : Wire support
 Std. depth : 380, 534, 560MM. or custom
 Frame : Aluminum, Galvanized

V Carbon filter CARBONTEC - V



Filter class : None
 Material : Virgin activated carbon (Replaceable)
 Support : SUS304 faceguard
 Std. depth : 292 MM.
 Frame : ABS plastic, Aluminum
 Frame Type : Single header, Box-type

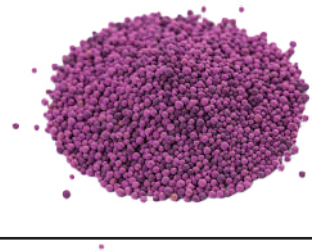
V Carbon filter CARBONTEC - VM



ePM10

Filter class : M5
 Material : Carbon minipleat media
 Support : Hot-melt separator
 Std. depth : 292 MM.
 Frame : ABS plastic
 Frame Type : Single header

Chemical oxidant



Filter class : None
 Material : Chemical gas removal
 Shape : Sphere
 Operate temp : 52 Degree
 Frame : Aluminum extrude, SUS304, Galvanized

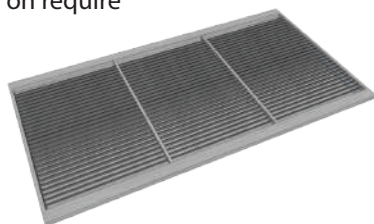
FILTER EQUIPMENT SERIES

Holding frame



Type : Prefilter holding, Pocket filter holding, Hepa filter Holding.
 Material : Galvanized steel
 Std. size : 12"x24", 20"x24"and 24"x24"
 Latches : Available for 1", 2" , 3" , 4" and 12" for filter holding lock
 Colour : Powder coat on require

Air grill



Coarse

Grill type : Air supply, return air, exhaust air
 Material : Powder coat, Aluminum, Galvanized
 Support : Aluminum bar wire supprt
 Add on : Ppnet nylon filter, Synthetic pre filter
 Size : Custom to order

Clean bench



H

Filter class : H14 EN1822
 Material : Powder coat galvanized, SUS304
 Design : Laminar air flow bench in Vertical, Horizontal
 Power supply : 220V 1 phase 50/60Hz
 Blow side : PAO port, pressure gauge, front cover, UV

Pass box



Filter class : Micron rating 1-200 µm
 Material : Powder coat galvanized, SUS304
 Design : Interlocking mechanical, electro-magnetic
 Power supply : 220V 1 phase 50/60Hz
 Optional : UV, Alarm

Hepa filter housing



H

Type : Medium filter holding, Hepa filter Holding.
 Material : Galvanized steel, Powder coat, SUS
 Std. size : 12"x24", 20"x24"and 24"x24"
 Filter dept : Available for 6" and 12" depth
 On require : Leak test certify

FFU and Ceiling Moldule



H

Filter class : H14 EN1822
 Material : Fiberglass
 Power supply : 220V 1 phase AC FAN, EC FAN
 Std. depth : 24x24, 24x48 inch
 Frame Mat. : Aluminum, Galvanized, SUS
 Frame Type : Replaceable and Non-replaceable

Air Shower



H

Filter class : H13, H14 EN1822 / Prefilter G4 EN779
 Material : Powder coat galvanized, SUS304
 Design : Air velocity 20-25 m/s with smart energy saving PLC
 Power supply : 380V 3 phase 50/60Hz
 Blow side : Single side, 2 Sides, 3 Sides

Air purification



H

Filter class : Prefilter G4 EN779/HEPA filter H13 EN1822
 Carbon filter/UV Lamp
 Material : Powder coat galvanized
 Power supply : 220V 1 phase 50/60Hz
 Air capacity : 450-700 CMH
 Motor : EC centrifufal fan

CARTRIDGE FILTER SERIES

Cartridge filter element



M

Filter class : Micron rating 0.5-100 µm
 Material : String wound PP, Melt blown, Spun sediment
 Filter type : DOE Only
 Std. size : 10 - 40 inch with O.D. 2.5" and 4.5" for BB model
 Efficiency : 90-99%
 Other brand : Seiko, SAEHAN, Soft, Clean&Green, Pureflo, ETC.

Filter housing



Material : PP, SUS
 Support : Galvanized wire supprt
 Std. depth : 150 - 914 MM.
 Frame : Aluminum extrude, Wire frame, None
 On require : SUS Multicartridge filter housing

Paper filter



F

Filter class : 30S, 40S, 50S, Other
 Material : Industrial coolant filter paper roll
 Std. width : Standard roll 115CM. x 100 Yds.
 Custom : Custom request width on request filtration class micron rating

Flexible chute



M

Filter class : Micron rating 1-200 µm
 Material : T100K, Polyester(PE), Polypropylene(PP), Nylon
 Treatment : PTFE membrane, Anti-static, Fire-retardant, Oil and water proof
 Ring : N/A, Spring, SUS, PP, Plastic
 Process : Sewing

Carbon filter element



M

Filter class : 5 Micron
 Material : Carbon powder, Coconut Shell
 Filter type : DOE Only
 Std. size : 10 - 20 inch with O.D. 2.5" and 4.5" for BB model
 On require : PP string wound with activated filter

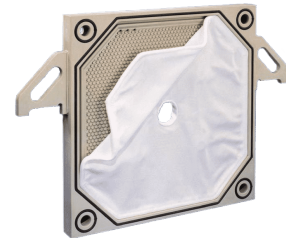
PE/PP dust collector



M

Filter class : Micron rating 1-200 µm
 Material : Polyester(PE), Polypropylene(PP), Nylon, Nomex, T1000K
 Treatment : PTFE membrane, Anti-static, Fire-retardant, Oil and water proof
 Ring : N/A, Spring, SUS-ring , PP, Plastic, O-ring
 Process : Sewing

Filter cloth



M

Filter class : Micron rating 1-200 µm
 Material : PP25F, PP35F, PP65F, DF1
 Size : 470x470, 850x850mm., other
 Special : Chemical resistance coating

Demister



Coarse

Filter class : EU1, EU2
 Material : SUS media resist for corrosion
 Support : Seive and SUS-faceguards on request
 Frame : Custom on request size with AL-Extrude, SUS304, SUS316
 Process : Oil demister, Chemical demister

Filter Class, Typical Contaminants and Applications

Group	Class	Typical Contaminants	Typical Applications
Coarse ISO 16890	50%	Leaves, insects, textile fibers	Low grade applications (e.g. For protection against insects and leaves)
	60%	Human hair, sand, water droplets	Low grade applications (e.g. For protection against insects and leaves)
	70%	Beach sand, plant spores	Low grade applications (e.g. For protection against insects and leaves)
	80%	Pollen, fog	Compact room air conditioners, prefilter for ePM2.5 and ePM1 filters
ePM10 ISO 16890	50%	Spores, sedimenting particles, cement	Inlet filter for very low requirement rooms, prefilter for ePM2.5 and ePM1 filters
	70%	Larger bacteria & germs, PM10 dust	Inlet filter for low requirements rooms, prefilter for ePM1 and E10 filters
ePM2.5 ISO 16890	50%	Soot, lung damaging dust (PM2.5)	Inlet filter for low requirements rooms, prefilter for ePM1 and E10 filters
ePM1 ISO 16890	60%	PM1 dust, cement dust (fine fraction)	Recirculated air in AC plants, prefilter for E11 and E12 filters
	85%	Oil smoke, bacteria	Prefilter for H13 and H14 filters and gas adsorption filters
E EPA Filters EN 1822	E10	Germs, tobacco smoke	Final filter for air-conditioned rooms of very high standard (e.g. hospitals)
	E11	Viruses on carrier particles, carbon black	Final filter for cleanrooms ISO class 7 - 8
	E12	Oil fumes, sea salt nuclei	Final filter for cleanrooms ISO class 5 - 6
H HEPA Filters EN 1822	H13	Radioactive particles	Exhaust air filter in nuclear industry, final filter for military shelters
	H14	Viruses	Final filter for cleanrooms ISO class 4 - 5
U ULPA Filters EN 1822	U15	All air suspended particulate matter	Final filter for cleanrooms ISO class 3 - 4
	U16	All air suspended particulate matter	Final filter for cleanrooms ISO class 2 - 3
	U17	All air suspended particulate matter	Final filter for cleanrooms ISO class 1
A Gas Filters	Physisorption	VOCs, solvent vapors, kitchen odors	Airports, office buildings, hotels, hospitals, improvement of IAQ
	Gas Filters	Acidic Gases, SO ₂ , SO ₃ , NO ₂ , NO _x	Computer and control rooms, microelectronics, museums, libraries
	Chemisorption	Amines, NH ₃ , NH ₄ , NMP, HMDS	Recirculated air in microelectronics industry

AIR FILTER CLASSIFICATION

Classification	EN 779 Standard			ASHRAE 52.2	Filter Type	Product Selection
	Average Arrestance Efficiency of synthetic dust, AAE%	Grade	Average Efficiency for 0.4µm particles, E%	Minimum Efficiency Reporting Value, MERV		
Pre-Filter Series	50 ≤ AAE < 65	G1	-	1	Grease Filters	
	65 ≤ AAE < 80	G2	-	2-4	Media Rolls Washable Filter	
	80 ≤ AAE < 90	G3	-	4-5	Media Pads & Rolls Washable Filter	
	≥ 90	G4	-	6-7	Disposable Pleated Filter Washable Filter Media Pads & Rolls Pocket Filters	
Medium High Efficiency Filter Series	-	M5	40 ≤ E < 60	8-10	Media Pads & Rolls	
	-	M6	60 ≤ E < 80	11-12	Box Type filter Mini-pleat filters Pocket Filters	
	-	F7	80 ≤ E < 90	13	Box Type filter Mini-pleat filters Pocket Filters	
	-	F8	90 ≤ E < 95	14	Box Type filter Mini-pleat filters Pocket Filters	
	-	F9	≥ 95	15-16	Box Type filter Mini-pleat filters Pocket Filters	
Classification	EN 1822 Standard		IEST RP-CC-034.3		Filter Type	Product Selection
	Most penetrating particle size, E%@MPPS	Grade	E% @ 0.3 µm	IEST-RP-CC001		
HEPA High Efficiency Filter Series	≥ 85	H10	≥ 95	-	Box Type filter Mini-pleat filters	
	≥ 95	H11	≥ 98	-	Box Type filter Mini-pleat filters	
	≥ 99.5	H12	≥ 99.95	-	Box Type filter Mini-pleat filters	
	≥ 99.95	H13	≥ 99.99	C (0.3 µm) (≥99.99%)	Media Pads & Rolls Washable Filter Module Type filter	
	≥ 99.995	H14	≥ 99.999	C (0.3 µm) (≥99.999%)	Media Pads & Rolls Washable Filter Module Type filter	

Pet Allergen	0.3 - 100 microns*
Dust Mite Allergen	10 - 40 microns
Pollen	10 - 100 microns
Plant Spores	10 - 70 microns
Bacteria	0.3 - 3 microns
Fungi	0.5 - 5 microns
Mold	2 - 20 microns
Tobacco Smoke	0.003 - 0.04 microns

*A micron is 1/25,000 of an inch.



FTEX INNOVATION OF AIR FILTER
FILTER MATCH CO.,LTD.



FILTER MATCH CO.,LTD. (THAILAND) - Head office

100/2 Leabklongmon Rd, Tubyao, Ladkrabang, Bangkok 10520 Thailand.
Tel : +662 360 6602 - 0 Fax : +662 360 6603 www.filtermatch2002.com
Email : info@filtermatch2002.com , filtermatch2002@hotmail.com