

AIRMAX

Air Filter Specialist



QUALITY RUNS IN OUR DNA..

ISO 9001:2015

www.airmaxthai.com



Our Factory

2500 Sq.M Production area

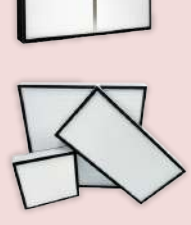
Hi-Tech Industrial Estate,
Ayutthaya



Our Customer



Air Filter Quick Selection Guide

Filter Grade	Efficiency	Filter Type	EN 779:2012		ASHRAE Std. 52.2-2007				ASHRAE Std. 52.1-1992	
			G1-G4	Am%=Average arrestance fo synthetic dust	Composite Average Particle Size Removal Efficiency En% in size Range				Average Arrestance	Average Dust Spot Efficiency
			M5-F9	Em%=Average efficiency at 0.4 µm minE%=Minimum efficiency at 0.4 µm	MERV	Range Group 1 0.3-1.0 µm.	Range Group 2 1.0-3.0 µm.	Range Group 3 3.0-10.0 µm.		
Coarse Filters (G Class)	Gravimetric		G1	50%≤Am<65%	1	-	-	E ₃ <20%	Aavg<65%	<20%
			G2	65%≤Am<80%	2-4	-	-	E ₃ <20%	65%≤Aavg<70%	<20%
			G3	80%≤Am<90%	4-5	-	-	E ₃ <20%	75%≤Aavg	<20%
			G4	90%≤Am	6-7	-	-	35%≤E ₃ <50%	85%	20%~25%
	Colometric		M5	40%≤Em<60%	8-11	-	-	70%≤E ₃	92%	30%~35%
			M6	60%≤Em<80%	11-12	-	-	80%≤E ₂	98%	70%~75%
			F7	80%≤Em<90%	13-14	E ₁ <75%	90%≤E ₂	90%≤E ₃	98%	80%~85%
			F8	90%≤Em<95%	14-15	75%≤E ₁ <85%	90%≤E ₂	90%≤E ₃	99%	90%~95%
Fine Filter (F Class)	Particle Counting Method		F9	95%≤Em	15-16	85%≤E ₁ <95%	90%≤E ₂	90%≤E ₃	99%	95%
			-	-	16	95%≤E ₁	95%≤E ₂	95%≤E ₃	100%	99%
			-	-	-	-	-	-	-	-
			-	-	-	-	-	-	-	-
EPA Filter	Particle Counting Method		E10	≥85% at MPPS	ASHRAE Std. 52.2-2007 MERV 16	≥85% at 0.3µm-10.0µm	-	-	-	-
			E11	≥95% at MPPS	ASHRAE Std. 52.2-2007 MERV 16	≥95% at 0.3 µm-10.0 µm	ISO 15 E	≥95%	-	-
HEPA Filter (H Class)	Particle Counting Method		E12	≥99.5% at MPPS	17	C	≥99.97% at 0.3µm	ISO 20 E	≥99%	≥99.5%
			H13	≥99.95% at MPPS	18	C	≥99.99% at 0.3µm	ISO 30 E	≥99.9%	≥99.95%
			H14	≥99.995% at MPPS	19	C	≥99.999% at 0.3µm	ISO 35 H	≥99.95%	≥99.99%
			-	-	-	-	-	ISO 40 H	≥99.99%	≥99.995%
ULPA Filter (U Class)	Particle Counting Method		U15	≥99.9995% at MPPS	20	F	≥99.9995% at 0.1µm-0.2µm or ≥99.9995% at 0.21µm-0.3µm	ISO 50 U	≥99.999%	≥99.9995%
			U16	≥99.99995% at MPPS	-	G	≥99.9999% at MPPS	ISO 55 U	≥99.9999%	≥99.99995%
			U17	≥99.999995% at MPPS	-	Super ULPA	≥99.9999% at MPPS	ISO 60 U	≥99.99999%	≥99.999995%
			-	-	-	-	-	ISO 65 U	≥99.999995%	≥99.999999%

Synthetic Air filter media

Synthetic Air filter Media First Stage Filter & Paint Spray Booth. Available in all sizes.



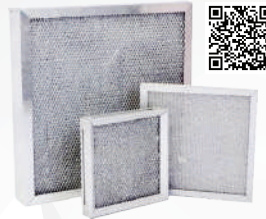
Ceiling fine filter

F5 (EU5)



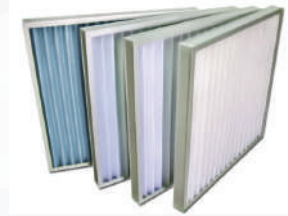
Filtration Mats

For rough and fine filtration
G2 - G4 (EU2 - EU4)



Aluminium Filter

Flat type
1" , 2" and customs made



Extruded Frame

Flat & Pleated type
1" , 2" and customs made

Applications

- Electronics Air Cleaner
 - Kitchen hood
 - Office
 - Food Processing
 - Paint Spray Booths
- Auto Air Conditioners
 - Computer Room
 - Hotel
 - Pharmaceutical Production
 - Office Complexes
- Air Handling Unit
 - Department Store
 - Hospital
 - General Industrial
 - Schools

Performance Data

TYPE		AM 150	AM 220	AM 290	AM 350	AM 560G	Paintstop G2 Fiberglass
Filter Classes	EN779	G2 (EU2)	G4 (EU4)	G4 (EU4)	G4 (EU4)	F5 (EU5)	G2 (EU2)
Average arrestance	%	65-80	> 90	> 90	> 90	97	93-97
Nominal air flow rate	CMH	5400	5400	5400	5400	900	2500-6300
Initial pressure drop	Pa/m ²	25	35	52	50	25	7
Recommend final pressure	Pa/m ²	250	250	250	250	450	150
Media thickness	mm.	8-10	18-20	18-20	20-22	25	50
Surface weight approx.	g/m ²	150	220	290	280	550	50
Media color		white	white	Blue/white	white	white	Green/white
Flame resistance	DIN 53438	F1	F1	F1	F1	F1	180 °C
Roll size	m.	2 x 20	2 x 20	2 x 20	2 x 20	2 x 20	1.5 x 20

**customs size available*

Pre - Filter

EXTENDED SURFACE PLEATED PANEL FILTER



MAX PRE-PLEAT MERV.7

Efficiency : 25-30% (MERV.7) (G4)
Media : 100% Synthetic (Green)
Frame : Dia-cut Beverage Board
Thickness : 1", 2", 4" (22, 44, 95 mm.)
Std. Size : 12" x 24" (289 x 594 mm.)
Std. Size : 24" x 24" (594 x 594 mm.)



MAX PRE-PLEAT MERV.8

Efficiency : 30-35% (MERV.8) (G4)
Media : 100% Synthetic (White)
Frame : Dia-cut Beverage Board
Thickness : 1", 2", 4" (22, 44, 95 mm.)
Std. Size : 12" x 24" (289 x 594 mm.)
Std. Size : 24" x 24" (594 x 594 mm.)



MAX TROGUARD 11

Efficiency : 35-40% (MERV.11) (F6)
Media : Electrostatically Enhanced.
Frame : Dia-cut Beverage Board
Thickness : 1", 2", 4" (22, 44, 95 mm.)
Std. Size : 12" x 24" (289 x 594 mm.)
Std. Size : 24" x 24" (594 x 594 mm.)

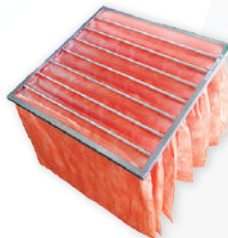


MAX FRESH AIR

Efficiency : 25-30% (MERV.7) (G4)
Media : Polyester fiber+ activated carbon
Frame : Dia-cut Beverage Board
Thickness : 2", 4" (44, 95 mm.)
Std. Size : 12" x 24" (289 x 594 mm.)
Std. Size : 24" x 24" (594 x 594 mm.)

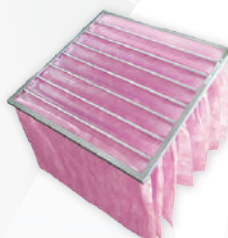
Medium - Filter

MAXPOCKETS EXTENDED SURFACE POCKET FILTER



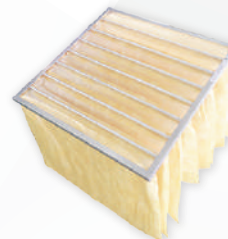
MAX POCKETS MERV-12

Efficiency : 60-65% (MERV.12) (F6)
Media : 100% Synthetic (Orange)
Sealed : Ultrasonically Edges.
Pockets : 4, 6, 8, 10
Deep : 15", 22", 30"
Std. Size : 12" x 24" (287 x 595 mm.)
Std. Size : 24" x 24" (595 x 595 mm.)



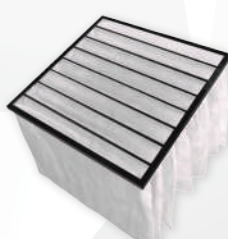
MAX POCKETS MERV-13

Efficiency : 80-85% (MERV.13) (F7)
Media : 100% Synthetic (Pink)
Sealed : Ultrasonically Edges.
Pockets : 4, 6, 8, 10
Deep : 15", 22", 30"
Std. Size : 12" x 24" (287 x 595 mm.)
Std. Size : 24" x 24" (595 x 595 mm.)



MAX POCKETS MERV-14

Efficiency : 90-95% (MERV.14) (F8)
Media : 100% Synthetic (Yellow)
Sealed : Ultrasonically Edges.
Pockets : 4, 6, 8, 10
Deep : 15", 22", 30"
Std. Size : 12" x 24" (287 x 595 mm.)
Std. Size : 24" x 24" (595 x 595 mm.)



MAX RIGID POCKETS

Efficiency : 30-35% (MERV.8) (G4)
Media : 100% Synthetic (White)
Sealed : Ultrasonically Edges.
Pockets : 3, 6, 7
Deep : 12", 15", 24"
Std. Size : 12" x 24" (289 x 595 mm.)
Std. Size : 24" x 24" (595 x 595 mm.)

*customs size available



Air Filter Specialist
THAI ENGINEERING SPECIALISTS CO., LTD.



Medium - Filter

MAXIFLOW-I EXTENDED SURFACE DEEP PLEAT



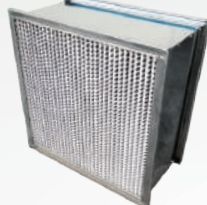
MAXIFLOW-I BOX TYPE

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : Aluminium, Galvanized Steel
 Thickness : 6", 12" (150, 292 mm.)
 Std. Size : 12" x 24" (288 x 592 mm.)
 Std. Size : 24" x 24" (592 x 592 mm.)



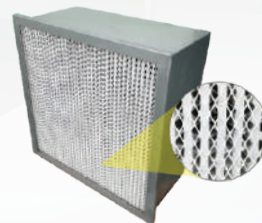
MAXIFLOW-I SINGLE HEADER

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : Aluminium, Galvanized Steel
 Thickness : 6", 12" (150, 292 mm.)
 Std. Size : 12" x 24" (288 x 592 mm.)
 Std. Size : 24" x 24" (592 x 592 mm.)



MAXIFLOW-I DOUBLE HEADER

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : Aluminium, Galvanized Steel
 Thickness : 6", 12" (150, 292 mm.)
 Std. Size : 12" x 24" (288 x 592 mm.)
 Std. Size : 24" x 24" (592 x 592 mm.)



DURAMAX

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Application : For rotating machinery Industry
 Frame : Aluminium, Galvanized Steel
 Thickness : 6", 12" (150, 292 mm.)
 Std. Size : 12" x 24" (288 x 592 mm.)
 Std. Size : 24" x 24" (592 x 592 mm.)



MAXIFLOW-II SLIM MINI PLEAT (4" DEEP)



MAXIFLOW-II PAPER FRAME

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : Paper Frame
 Thickness : 4" (95 mm.)
 Std. Size : 12" x 24" (289 x 594 mm.)
 Std. Size : 24" x 24" (594 x 594 mm.)



MAXIFLOW-II SINGLE HEADER

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : Aluminium, Galvanized Steel
 Thickness : 4" (95 mm.)
 Std. Size : 12" x 24" (289 x 594 mm.)
 Std. Size : 24" x 24" (594 x 594 mm.)



MAXIFLOW-II BOX TYPE

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : Aluminium, Galvanized Steel
 Thickness : 4" (95 mm.)
 Std. Size : 12" x 24" (289 x 594 mm.)
 Std. Size : 24" x 24" (594 x 594 mm.)



MAXIPLUS-V EXTENDED SURFACE MINI PLEAT



MAXIPLUS 2V

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : All Plastic Construction
 Thickness : 12" (292 mm.)
 Std. Size : 12" x 24" (287 x 592 mm.)
 Std. Size : 24" x 24" (592 x 592 mm.)



MAXIPLUS 3V

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : All Plastic Construction
 Thickness : 12" (292 mm.)
 Std. Size : 12" x 24" (287 x 592 mm.)
 Std. Size : 24" x 24" (592 x 592 mm.)



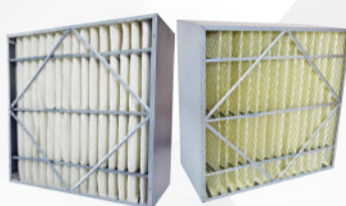
MAXIPLUS 4V

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : All Plastic Construction
 Thickness : 12" (292 mm.)
 Std. Size : 12" x 24" (287 x 592 mm.)
 Std. Size : 24" x 24" (592 x 592 mm.)



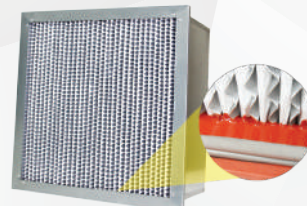
MAX GTS

Efficiency : 85%, 95% (F7, F8)
 Media : Synthetic
 Frame : Paper Frame
 Thickness : 12" (289 mm.)
 Std. Size : 12" x 24" (289 x 594 mm.)
 Std. Size : 24" x 24" (594 x 594 mm.)



MAX PAK

Efficiency : 65%, 85%, 95% (F6, F7, F8)
 Media : Synthetic
 Frame : Aluminium, Galvanized Steel
 Thickness : 12" (289 mm.)
 Std. Size : 12" x 24" (289 x 594 mm.)
 Std. Size : 24" x 24" (594 x 594 mm.)



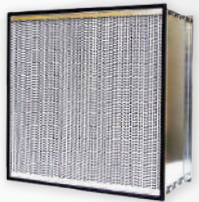
MAXIFLOW-I HIGH TEMP

Efficiency : 65%, 85%, 95% (F6 - F9)
 Media : Glass Fiber
 Frame : Aluminium, Galvanized Steel
 Thickness : 12" (289 mm.)
 Temperature : up to 350 deg. C.
 Std. Size : 12" x 24" (289 x 594 mm.)
 Std. Size : 24" x 24" (594 x 594 mm.)



*customs size available

HEPA / ULPA FILTER



HEPA / ULPA MAX : H14/U15/U16 (EN1822)

Aluminium Separator for High Surface Velocity (0.75-1.75 m/s)
Media area: Standard to high media area for lower initial resistance; 250 Pa, Standard or custom size is available.
Frame thickness: 150 or 292 mm.
Operating Temperature: up to 100 degree C.
Application: Turbulent flow cleanroom.



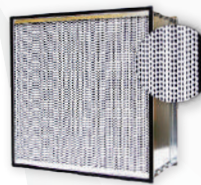
HEPA / ULPA MAX - SLIM

Hot-melt separators: Mini-Pleat for low velocity;(0.45-0.5 m/s)
Low initial resistance: 110 Pa
The media is protected by double faceguards.
Standard or custom size is available.
Frame Thickness : 70 mm.
Application: Laminar flow / Couple with FFU



HEPA / ULPA MAX V-BANK:H14/U15/U16 (EN1822)

Mini-pleat V Bank shape for High surface velocity (2.5 m/s)
Media area: Standard to high media area for lower initial resistance; 250 Pa
Standard size: 160 x 610 x292 mm. or 305 x610 x 292 mm.
Operating Temperature: up to 100 degree C.
Application: Turbulent flow cleanroom.



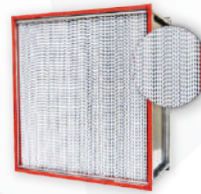
HEPA / ULPA HI-CAPACITY ;H14/U15/U16 (EN1822)

Aluminium Separators for High surface velocity (2.25 m/s)
Media area: Ultra High media area for lower initial resistance; 250 Pa. Standard or custom size is available.
Frame Thickness: 150 or 292 mm.
Operating Temperature: up to 100 deg.C
Application: Autoclave



HEPA / ULPA MAX-HT: H14/U15/U16 (EN1822)

Aluminium Separators for High surface velocity (0.75-1.75 m/s)
Media area: High media area for lower initial resistance; 250 Pa
Size: Standard or custom size is available.
Frame Thickness: 150 or 292 mm.
Operating Temperature: 250 deg.C or 350 deg.C (selectable)
Sealant: Red Silicone/Ceramic
Gasket: Red Silicone.
Application: Autoclave



HEPA / ULPA HI-CAPA & HT; H14/U15/U16 (EN1822)

Aluminium Separators for High surface velocity (2.25 m/s)
Media area: Ultra High media area for lower initial resistance; 250 Pa. Standard or custom size is available.
Frame Thickness: 150 or 292 mm.
Operating Temperature: 250 deg.C or 350 deg.C (selectable)
Sealant: Red Silicone /Ceramic;
Gasket: Red Silicone
Application: Autoclave



CEILING MODULES

Applicable for quick installation
and replacement with low ceiling space.



HEPA / ULPA MAX T-GRID

Gelseal roomside replacement ceiling module
Applicable for quick installation.
Installed on the T- Grid framework of ceiling

FAN FILTER UNIT

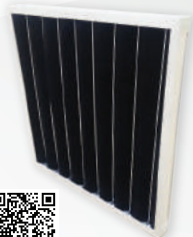
For Clean Room ISO1 to 7 (ISO 14644-1)
Fan: Backward Centrifugal Fan; Standard or customs Air Flow (Blade is specific designed based on high efficiency 60-80%) Casing: SUS 430 BA; The whole unit designed to perform consistency air velocity over surface of ULPA/HEPA filter.
Surface velocity available from 0.3-0.7 m/s with built-in adjustable speed control.
Size of FFU or ULPA or HEPA filter can be custom size or designed according to installation space and requirement ALL FFU motor are 1 year warntee.



Remark;
Every unit is individual Scan/Leak test with report.
Warrantee on free of factory defect and passed leak test
on site by any certified third party as NEBB

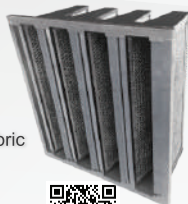
*customs size available

Gasphase Air Filter



MAX CARBON

Activated Carbon Nonwoven Media
Efficiency : 25-30% (MERV.7) (G4)
Media : Coconut Shell Activated Carbon Fabric
Frame : Extruded Aluminium
Thickness : 1", 2", 4" (22, 47, 95 mm.)
Std. Size : 12" x 24" (289 x 594 mm.)
Std. Size : 24" x 24" (594 x 594 mm.)



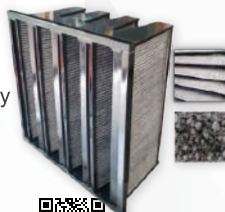
MAXIPURE - H

High Capacity Activated carbon filter
Media : Activated Carbon+ Honey comp
Frame : ABS Plastic Frame
Thickness : 12" (292 mm.)
Std. Size : 12" x 24" (287 x 592 mm.)
Std. Size : 24" x 24" (592 x 592 mm.)



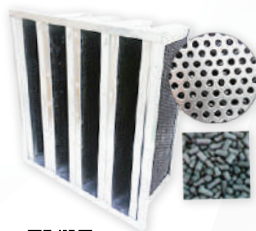
MAXIPURE

High Capacity Activated carbon filter
Media : Activated Carbon+Perforated tray
Frame : Galvanized steel frame
Thickness : 12" (292 mm.)
Std. Size : 12" x 24" (292 x 595 mm.)
Std. Size : 24" x 24" (595 x 595 mm.)



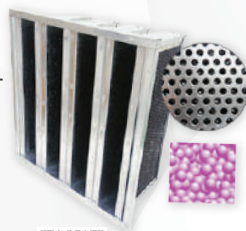
MAXIPURE - GRAND

High Capacity Chemical Filter V Bank Type
Media : Activated Carbon Pack
Frame : ABS Plastic Frame
Thickness : 12" (292 mm.)
Std. Size : 12" x 24" (287 x 592 mm.)
Std. Size : 24" x 24" (592 x 592 mm.)



MAXIPURE AMMONIA

High Capacity Gasphase Absorbers filter
Media : Pure Carbon pellets+Perforated tray
Frame : Galvanized steel frame
Thickness : 12" (292 mm.)
Std. Size : 12" x 24" (292 x 595 mm.)
Std. Size : 24" x 24" (595 x 595 mm.)



MAXIPURE AMMONIA KMNO4

High Capacity Potassium Permanganate Absorbers
Media : Potassium permanganate+Perforated tray
Frame : Galvanized steel frame
Thickness : 12" (292 mm.)
Std. Size : 12" x 24" (292 x 595 mm.)
Std. Size : 24" x 24" (595 x 595 mm.)



ACTIVATED CARBON MEDIA

Coconut shell activated carbon fabric
Molecular condensable (VOC'S)
High adsorption surface area
Low pressure drop
10 mm. Thickness, 400 grams of carbon/m²



GASPHASE ABSORBER

Remove acid gases, Chlorine, Ammonia
Ethylene, Formaldehyde...etc
Available in media only, Modules
Deep bed housing and monitoring

**customs size available*





Special Products



PLASTIC MANOMETERS

Model Mark II No.25
Range : 0-3 Inches water column
Red Gage Fluid

OPERATING RANGERS AVAILABLE

Model No.	Range (Inches of water)
2300- 0	(-) 0.25- 0 - (+) 0.25
2000- 00+	0 - 0.25
2000- 0+	0 - 0.50
2001	0 - 1.00
2002	0 - 2.00
2003	0 - 3.00
2000-60Pa	0 - 60 Pascal



DIFFERENTIAL PRESSURE GAGES

Magnehelic Differential Pressure Gage for Low Differential measurement, Cleanroom diff. pressure, Air filter



GREASE FILTER

Baffle type made from SUS 304 steel
Perfect choice for grease removal from air with multi layer of buffer.



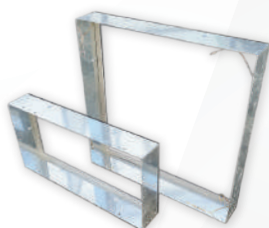
BAROMETRIC DAMPER

Bake-paint or stainless steel is available.
With counter weight balance. Custom size.



AIR GRILLE

Aluminium Supply/Return Air Grille.
Custom size.



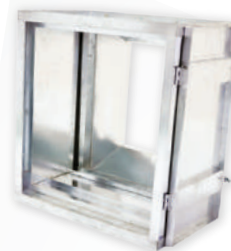
HOLDING FRAME

Made of heavy duty galvanized or stainless steel. Any rectangular size (W x H) and depth (D) Good for Pre filter, Pre+Bag filter Pre + Medium filter... etc.
4 corners spring lock for high air tight low leakage.



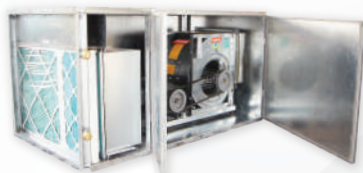
BAG IN - BAG OUT

Application: For air, exhausted from hazard or toxic. 'Airmax' Bag-In Bag-out is leak free seal of HEPA filter. The eccentric cam lock make with disposable bag safe the staff and nearby environment from spread of hazard.



FILTER HOUSING UNIT

Application: We can assembly air filter housing suitable for each space and type of air filter, G/S, bake-paint or SUS304



AIR SUPPLY UNIT

Application: For supply or exhaust air from clean space with lower investment cost. Custom assembly on single or multi-layer of air filter from Pre to HEPA/ULPA filter and UV- C lamp. Fan performance is designed and built for specific location or limitation.



CEILING FAN FILTER UNIT

Application: For installation of HEPA filter in the HVAC system with low fan static pressure, but need high clean zone.



LAMINAR AIR SUPPLY UNIT

Application: Assembly according to the recommendation of ASHRAE Standard 170-2013

*customs size available

Calibration & Repairing Service on Particle Counter

by Our Joint-Venture Laboratory in Thailand



Repair Service



Calibration Service



Particle Counter Sales and Consulting



0.3 MICRON

PARTICLE COUNTER



Model : 3888/3889

- * 3 Channel : 0.3, 0.5, 5.0 um. (3888)
- * 6 Channel : 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 um. (3889)
- * Flowrate : 2.83 L/min (0.1 CFM)
- * Large, 4.3-inch full-color touchscreen

0.3 MICRON

PARTICLE COUNTER



Model : 3905/3910/3920

- * 6 Channel : 0.3, 0.5, 1.0, 3.0, 5.0, 10.0 um.
- * Flowrate : 28.3 L/min, 50 L/min, 100 L/min
- * Fully compliant with ISO 21501-4 calibration standard
- * Extended 2 year warranty

0.1 MICRON

PARTICLE COUNTER



Model : 3950

- * Particle Size Range : 0.1, 0.3 um.
- * Compliant with ISO 21501-4 calibration standard
- * Flowrate : 1.0 L/min
- * Interface : RS485, Ethernet, USB

PARTICLE COUNTER



Model : 3718-A /3719-A

- * 2 Channel : 0.3, 0.5 um./0.5, 5.0 um.
- * Flowrate : 0.1 CFM/ 1.0 CFM
- * Able to connect to a PLC or data logger for facility monitoring applications

DUST MONITOR



Model : 3443

- * Particle Size Range : 0.1 to 10 um.
- * Measuring Range : 0.001 to 10.000 mg/m³
- * Flowrate : 1.0 L/min

MASK FIT TESTER



Model : AccuFIT 9000

- * Fit Teses all Full&Half Mask Respirators PLUS most N95
- * OSHA & CSA Protocol Compliant
- * Integrated Medical Questionnaire Technology

HOT WIRE ANEMOMETER



Model : 6006

- * Air Velocity: 20 to 6000 FPM (0.01 to 20.0 m/s)
- * Temperature: -4 to 158°F (-20 to 70°C)

CLIMOMASTER



Model : 6531

- * Air Velocity : 10 to 9840 FPM (0.01 to 50.0 m/s)
- * Temperature : -4 to 158°F (-20 to 70°C)
- * Humidity : 2.0 to 98.0 %RH *Varies by probe

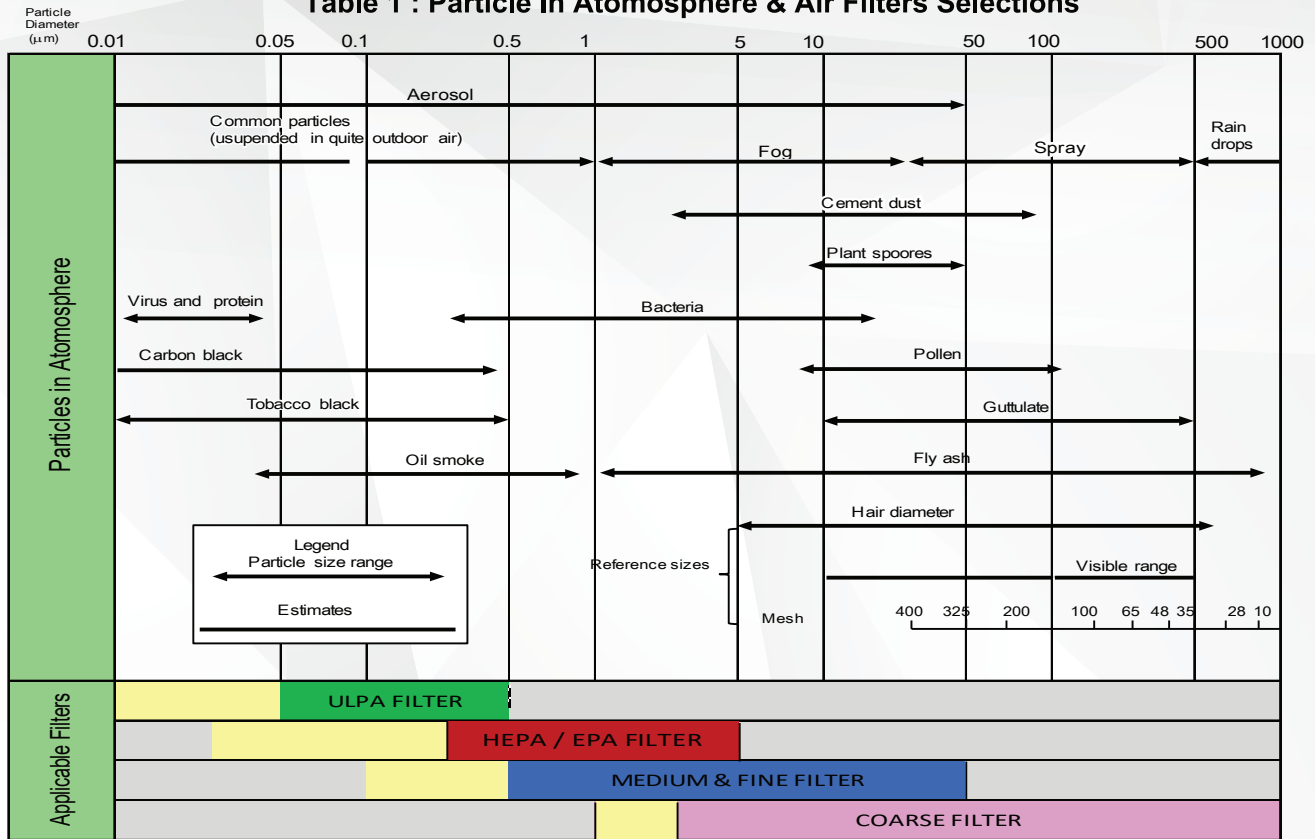
AIRFLOW CAPTURE HOOD



Model : 6710

- * Airflow Range : 23 to 2500 CFM (40 to 4,250 m³/h)
- * Temperature : 32 to 122°F (0 to 50°C)
- * Humidity : 0 to 100.0 %RH

Technical Standard

Table 1 : Particle In Atmosphere & Air Filters Selections

Table 2 : Federal Standard 209 Class Limits.

Class	Particles / ft ³				
	$\geq 0.1 \mu\text{m}$	$\geq 0.2 \mu\text{m}$	$\geq 0.3 \mu\text{m}$	$\geq 0.5 \mu\text{m}$	$\geq 5.0 \mu\text{m}$
1	35	7.5	3	1	NA
10	350	75	30	10	NA
100	NA	750	300	100	NA
1,000	NA	NA	NA	1,000	7
10,000	NA	NA	NA	10,000	70
100,000	NA	NA	NA	100,000	700

Table 3 : Selected ISO 14644-1 airborne particulate cleanliness classes for cleanrooms.

ISO Classification Number	Maximum concentration limits (particles / m ³ of air) for particles equal to and larger than the considered sized shown below.					
	$\geq 0.1 \mu\text{m}$	$\geq 0.2 \mu\text{m}$	$\geq 0.3 \mu\text{m}$	$\geq 0.5 \mu\text{m}$	$\geq 1.0 \mu\text{m}$	$\geq 5.0 \mu\text{m}$
ISO Class 1	10	2				
ISO Class 2	100	24	10	4		
ISO Class 3	1000	237	102	35	8	
ISO Class 4	10000	2370	1020	352	83	
ISO Class 5	100000	23700	10200	3520	832	29
ISO Class 6	1000000	237000	102000	35200	8320	293
ISO Class 7				352000	83200	2930
ISO Class 8				3520000	832000	29300
ISO Class 9				35200000	8320000	293000

Founded in August 1988, **Thai Engineering Specialists Co., Ltd.(TESCO)** has grown to be one of leader of Air filter supplier in Thailand for Commercaill and Industrial markets.

The basic premise on which the company was founded is to provide replacement filters for all type of HVAC systems. Whatever type of air filtration equipment is install in your facilites, **TESCO** can provide a direct replacement or recommend alternatives for improved indoor air quality, lower cost and longer service life.

We are able to offer products in every categories for air filter from Pre filter and pleated filter to HEPA and Super ULPA filters. A wide variety of filters for specialized applications is also available, including paint overspray, Gas phase absorption and dust collection.

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