

# **AIRMAX**

*Air Filter Specialist*



**QUALITY RUNS IN OUR DNA..**  
ISO 9001:2015

[www.airmaxthai.com](http://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 minEm%=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		<b>G1</b>	50%≤Am<65%	<b>1</b>	-	-	E <sub>3</sub> <20%	Aavg<65%	<20%	
			<b>G2</b>	65%≤Am<80%		<b>2-4</b>	-	-	E <sub>3</sub> <20%	65%≤Aavg<70%	<20%
			<b>G3</b>	80%≤Am<90%			-	-	E <sub>3</sub> <20%	75%≤Aavg	<20%
			<b>G4</b>	90%≤Am			<b>4-5</b>	-	-	20%≤E <sub>3</sub> <35%	80%
		<b>6-7</b>	-	-	35%≤E <sub>3</sub> <50%	85%		20%~25%			
							50%≤E <sub>3</sub> <70%	90%	25%~30%		
Medium Filter (M Class)	Colormetric		<b>M5</b>	40%≤Em<60%	-	<b>8-11</b>	-	-	70%≤E <sub>3</sub>	92%	30%~35%
								-	E <sub>2</sub> <50%	85%≤E <sub>3</sub>	95%
		-	50%≤E <sub>2</sub> <65%	85%≤E <sub>3</sub>	96%		50%~55%				
		-	65%≤E <sub>2</sub> <80%	85%≤E <sub>3</sub>	97%		60%~65%				
			<b>M6</b>	60%≤Em<80%	-	<b>11-12</b>	-	65%≤E <sub>2</sub> <80%	85%≤E <sub>3</sub>	97%	60%~65%
					-		80%≤E <sub>2</sub>	90%≤E <sub>3</sub>	98%	70%~75%	
Fine Filter (F Class)	Colormetric		<b>F7</b>	80%≤Em<90%	35%≤minE	<b>13-14</b>	E <sub>1</sub> <75%	90%≤E <sub>2</sub>	90%≤E <sub>3</sub>	98%	80%~85%
							75%≤E <sub>1</sub> <85%	90%≤E <sub>2</sub>	90%≤E <sub>3</sub>	99%	90%~95%
						<b>F8</b>	90%≤Em<95%	55%≤minE	<b>14-15</b>	75%≤E <sub>1</sub> <85%	90%≤E <sub>2</sub>
					85%≤E <sub>1</sub> <95%	90%≤E <sub>2</sub>	90%≤E <sub>3</sub>	99%		95%	
			<b>F9</b>	95%≤Em	70%≤minE	<b>15-16</b>	85%≤E <sub>1</sub> <95%	90%≤E <sub>2</sub>	90%≤E <sub>3</sub>	99%	95%
							95%≤E <sub>1</sub>	95%≤E <sub>2</sub>	95%≤E <sub>3</sub>	100%	99%
EPA Filter	>95% at 0.3μm		-	-	-	<b>16</b>	95%≤E <sub>1</sub>	95%≤E <sub>2</sub>	95%≤E <sub>3</sub>	100%	99%
Filter Grade	Efficiency	Filter Type	EN 1822:2009		IEST RP-CC001.5-2009			ISO 29463-1:2011			
			Class	Integral Efficiency	MERV	TYPE	Integral Efficiency	Integral Efficiency at MPPS			
EPA Filter (E Class)	>95% at 0.3μm		<b>E10</b>	>85% at MPPS	ASHRAE Std. 52.2-2007 <b>MERV 16</b> ≥85% at 0.3μm-10.0μm			-	-		
	>95% at 0.3μm		<b>E11</b>	>95% at MPPS	ASHRAE Std. 52.2-2007 <b>MERV 16</b> ≥95% at 0.3 μm-10.0μm			ISO 15 E	≥95%		
HEPA Filter (H Class)	≥99.97% at 0.3μm		<b>E12</b>	≥99.5% at MPPS	<b>17</b>	<b>C</b>	≥99.97% at 0.3μm	ISO 20 E	≥99%		
	≥99.99% at 0.3μm		<b>H13</b>	≥99.95% at MPPS			≥99.99% at 0.3μm	ISO 25 E	≥99.5%		
	≥99.999% at 0.3μm		<b>H14</b>	≥99.995% at MPPS			≥99.999% at 0.3μm	ISO 30 E	≥99.9%		
ULPA Filter (U Class)	≥99.9995% at 0.13μm		<b>H14</b>	≥99.995% at MPPS	<b>18</b>	<b>C</b>	≥99.99% at 0.3μm	ISO 35 H	≥99.95%		
	≥99.99995% at 0.13μm		<b>H14</b>	≥99.995% at MPPS			≥99.999% at 0.3μm	ISO 40 H	≥99.99%		
	≥99.999995% at 0.13μm		<b>H14</b>	≥99.995% at MPPS	≥99.999% at 0.3μm	ISO 45 H	≥99.995%				
	≥99.9999995% at 0.13μm		<b>U15</b>	≥99.9995% at MPPS	≥99.9995% at 0.1μm-0.2μm or ≥99.9995% at 0.21μm-0.3μm	<b>20</b>	<b>F</b>	ISO 50 U	≥99.999%		
	<b>U16</b>	≥99.99995% at MPPS	ISO 55 U	≥99.9995%							
	<b>U16</b>	≥99.99995% at MPPS	ISO 60 U	≥99.9999%							
	<b>U17</b>	≥99.999995% at MPPS	ISO 65 U	≥99.99995%							
				-	<b>G Super ULPA</b>	≥99.9999% at MPPS	ISO 70 U	≥99.99999%			
						ISO 75 U	≥99.999995%				

## 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 <sup>2</sup>	25	35	52	50	25	7
Recommend final pressure	Pa/m <sup>2</sup>	250	250	250	250	450	150
Media thickness	mm.	8-10	18-20	18-20	20-22	25	50
Surface weight approx.	g/m <sup>2</sup>	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.)

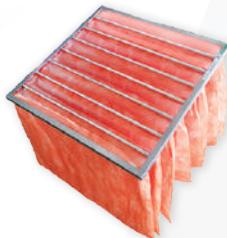


**MAX FRESH AIR**

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.



**AIRMAX**  
Air Filter Specialist

**Medium - Filter**

**MAXIFLOW-I EXTENDED SURFACE DEEP PLEAT**



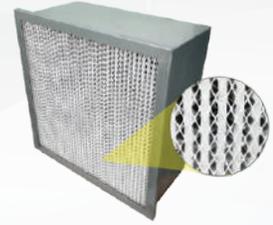
**MAXIFLOW-I BOX TYPE**  
Efficiency : 65%, 85%, 95% (F6 - F9)  
Media : Glass Fiber  
Frame : Aluminium, Galvanized Steel  
Thickness : 6", 12" (150, 292 mm.)  
Std. Size : 12" x 24" (288 x 592 mm.)  
Std. Size : 24" x 24" (592 x 592 mm.)



**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.)



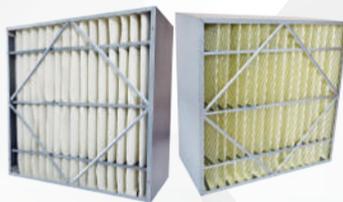
**MAXIPLUS 3V**  
Efficiency : 65%, 85%, 95% (F6 - F9)  
Media : Glass Fiber  
Frame : All Plastic Construction  
Thickness : 12" (292 mm.)  
Std. Size : 12" x 24" (287 x 592 mm.)  
Std. Size : 24" x 24" (592 x 592 mm.)



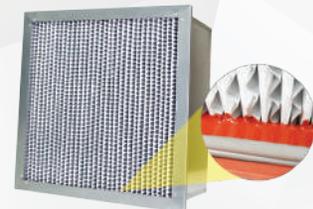
**MAXIPLUS 4V**  
Efficiency : 65%, 85%, 95% (F6 - F9)  
Media : Glass Fiber  
Frame : All Plastic Construction  
Thickness : 12" (292 mm.)  
Std. Size : 12" x 24" (287 x 592 mm.)  
Std. Size : 24" x 24" (592 x 592 mm.)



**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**

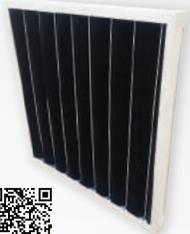
For Clean Room ISO1 to 7 (ISO 14644-1)  
Fan: Backward Centrifugal Fan; Standard or customs Air Flow (Blade is specific designed based on high efficiency 60-80%) Casing: SUS 430 BA; The whole unit designed to perform consistency air velocity over surface of ULPA/HEPA filter.  
Surface velocity available 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 warnttee.



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.)



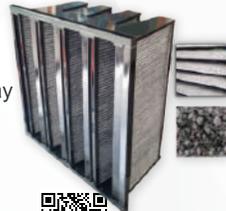
**MAXIPURE - H**

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.)



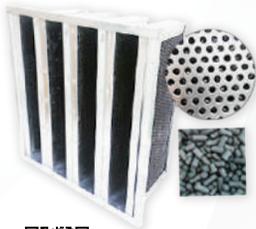
**MAXIPURE**

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/m<sup>2</sup>



**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. presure, Air filter



**GREASE FILTER**  
Baffle type made from SUS 304 steel  
Perfect choice for grease removal from air with muti 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/m<sup>3</sup>
- \* 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

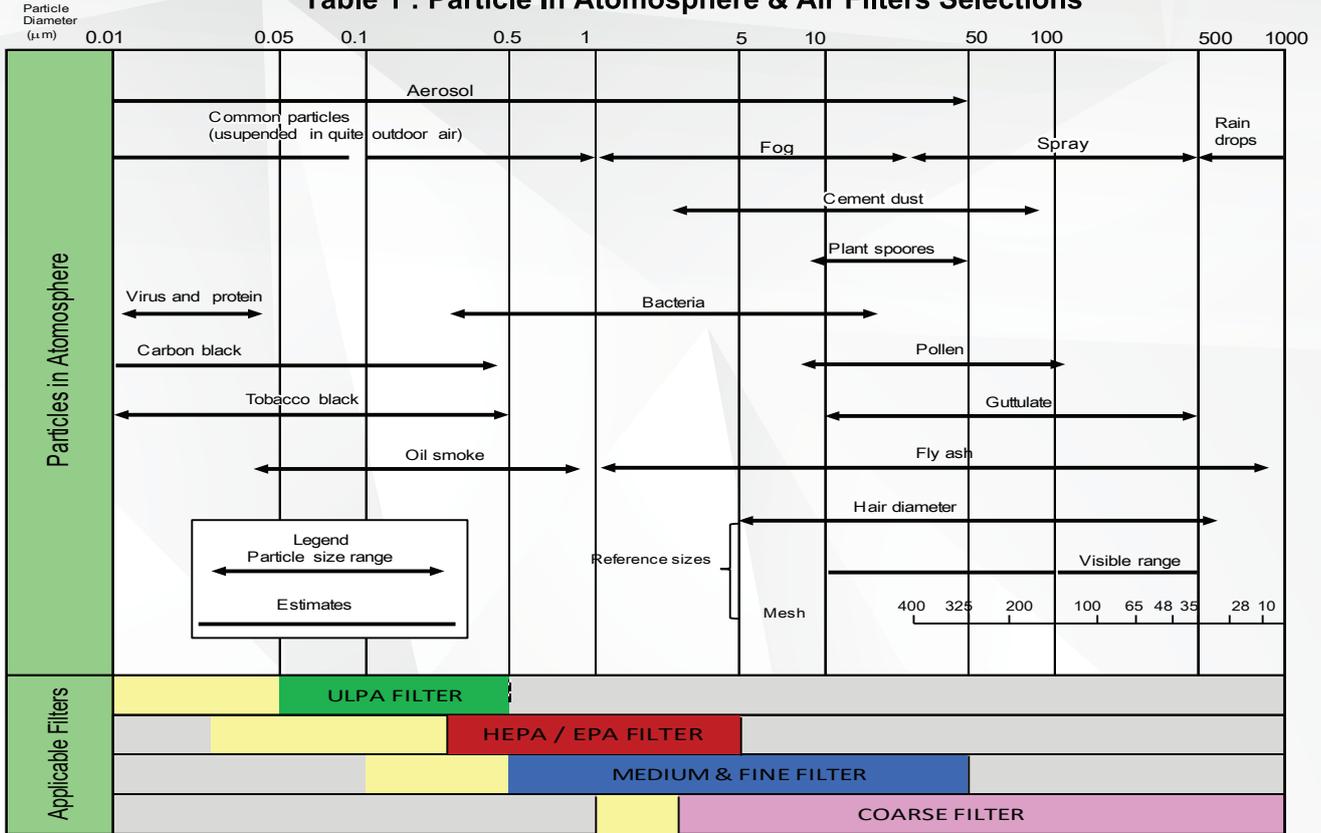
AIRFLOW CAPTURE HOOD



Model : 6710

- \* Airflow Range : 23 to 2500 CFM (40 to 4,250 m<sup>3</sup>/h)
- \* Temperature : 32 to 122°F (0 to 50°C)
- \* Humidity : 0 to 100.0 %RH

**Table 1 : Particle In Atmosphere & Air Filters Selections**



**Table 2 : Federal Standard 209 Class Limits.**

Class	Particles / ft <sup>3</sup>				
	≥ 0.1 µm	≥ 0.2 µm	≥ 0.3 µm	≥ 0.5 µm	≥ 5.0 µm
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 <sup>3</sup> of air) for particles equal to and larger than the considered sized shown below.					
	≥0.1 µm.	≥0.2 µm.	≥0.3 µm.	≥0.5 µm.	≥1.0 µm.	≥5.0 µm.
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 Commercial 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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