



ALL PRODUCTS BROCHURE

A respectable air filtration brand across global



Introduction

Euro-Aire was first established in United Kingdom (UK) in 2000. In 2007, its Asia HQ was set up in Taiwan, followed by a joint venture in Malaysia with a manufacturing facility capable in making vast range of air filtration products. Today, Euro-Aire has garnered itself to be a well respectable brand internationally. Always striving for making superior quality products and providing first class customer support, Euro-Aire is your preferred brand in meeting your IAQ/IEQ and other air filtration needs.

Our Beliefs

Let there be clean air!

Every air filter is designed to:

- Improve environment
- Improve human health and life quality
- Increase productivity
- Be cost-effective
- Protect equipment

Our Manufacturing Plant



Factory Area:

47,000ft²

Loading Capacity:

Up to 5 containers at one time

Applications



Commercial

- Airports
- Casinos
- Hotels
- Shopping Malls
- GLAM
- Schools



Healthcare/ Containment

- Hospitals
- Laboratories
- Operating Theatres

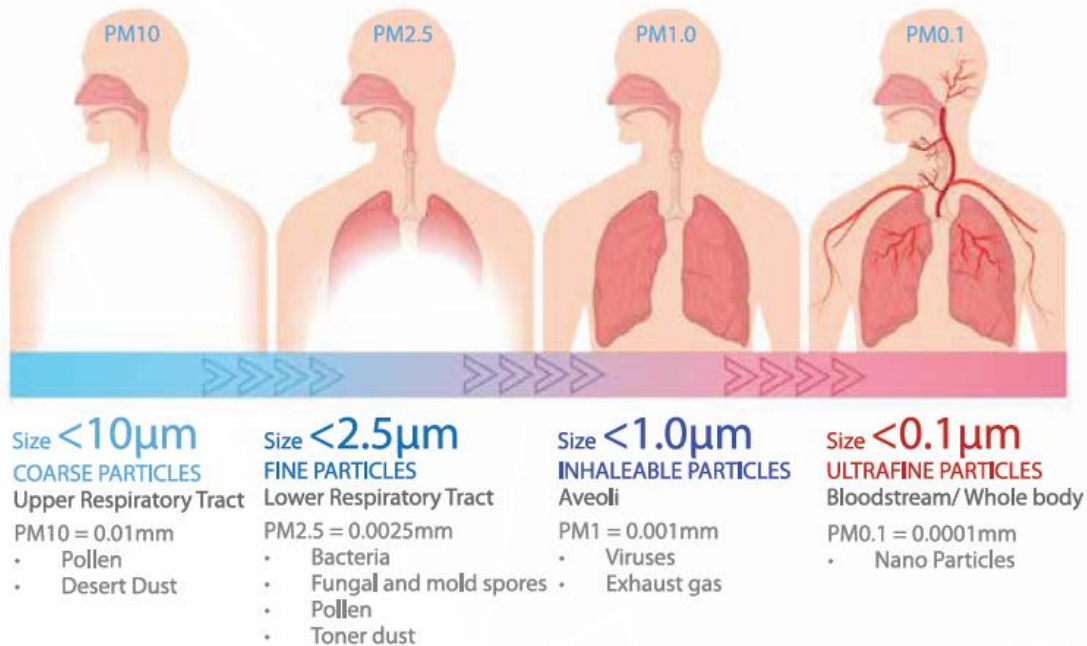


Industrial/ Cleanrooms

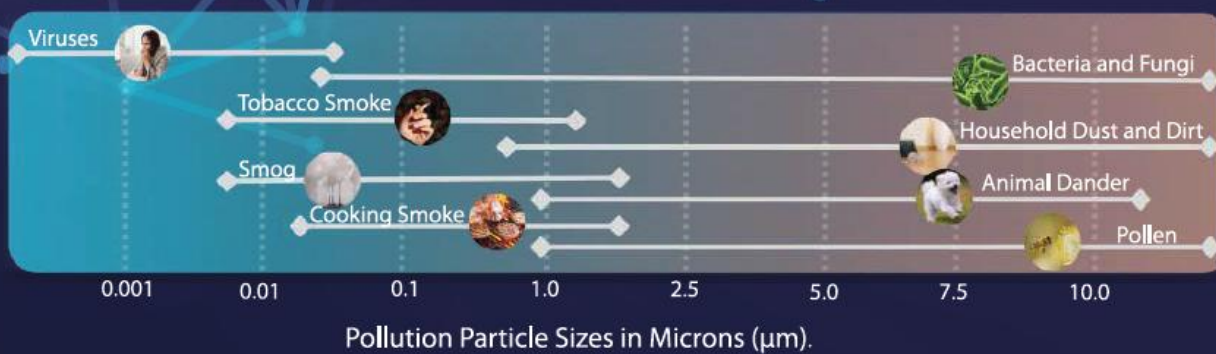
- Power Plants
- Semiconductors
- Factories/Manufacturing Plants

Understanding Air Filtration

Understanding Air Filtration



Defining Particulate Sizes



Understanding Air Filtration

Factors Affecting Filter Selection



Cross Reference - EN vs ASHRAE vs ISO

Filter Group	Filter Class	EN779-2012		ASHRAE 52.1		ASHRAE 52.2-2012	ISO 16890			
	EN 779-2012	Average Arrestance, A_m @250Pa, %	Average Efficiency, E_m , and Min. Efficiency (M.E.) of 0.4micron@450Pa, %	Arrestance, %	DS Efficiency, %	MERV Rating	Coarse, %	ePM ₁₀ , %	ePM _{2.5} , %	ePM ₁ , %
G (Arrestance Filter)	G1	50 < A_m < 65	-	<65	-	1	-	-	-	-
	G2	65 < A_m < 80	-	65-70	-	2	30-50	-	-	-
				70-75	-	3				
				75-80	< 20	4				
	G3	80 < A_m < 90	-	80	20	5	45-65	-	-	-
				85	20-25	6				
	G4	A_m > 90	-	90	25-30	7	60-85	-	-	-
				92	35-40	8				
M (Medium Efficiency Filters)	M5	-	40 < E_m < 60	95	40-45	9	80-95	40-70	10-45	5-35
				96	50-55	10				
	M6	-	60 < E_m < 80	97	60-65	11	> 90	60-80	25-50	10-40
				98	70-75	12				
F (DS Efficiency Filters)	F7	-	60 < E_m < 80, M.E. 35	> 98	80-85	13	> 95	80-90	65-75	40-65
	F8	-	90 < E_m < 95, M.E. 55	99	90-95	14	> 95	90-100	75-95	65-90
	F9	-	E_m > 95, M.E. 70	> 99	95	15	> 95	90-100	85-95	80-90
				> 99	98	16				

Filter Group	Filter Class	Overall Efficiency @ MPPS, %	ASHRAE 52.2-2012	IEST Type (RP-CC001.4)		Filter Class
	EN 1822-2019		MERV Rating	Efficiency@ 0.3micron, %	Designation	
Efficiency @ 0.3 micron						
E (Efficiency Particulate Filter)	E10	> 85	16	-	-	-
	E11	>95	16	-		ISO 15 E
		>99	16	-		ISO 20 E
	E12	> 99.5	-	-		ISO 25 E
		> 99.9	-	99.97	A, B, E	ISO 30 E
H (HEPA Filters)	H13	> 99.95	-	99.99	C	ISO 35 H
		> 99.99	-	99.99		ISO 40 H
	H14	> 99.995	-	99.999	D, K	ISO 45 H
		> 99.999	-	99.999		ISO 50 H
	Efficiency @ 0.12 micron					
U (ULPA Filters)	U15	> 99.9995	-	99.999	F	ISO 55 U
		> 99.9999	-	99.999		ISO 60 U
	U16	> 99.99995	-	99.9999	G	ISO 65 U
		> 99.99999	-	99.9999		ISO 70 U
	U17	> 99.999995	-	-		ISO 75 U

Cleanroom Classification

ISO14644-1 vs. FED STD 209E

Class	Maximum Particles/m ³						FED STD 209E equivalent
	≥0.1 um	≥0.2 um	≥0.3 um	≥0.5 um	≥1 um	≥5 um	
ISO 1	10	2					
ISO 2	100	24	10	4			
ISO 3	1000	237	102	35	8		Class 1
ISO 4	10000	2370	1020	352	83		Class 10
ISO 5	100000	237000	102000	3520	832	29	Class 100
ISO 6	1000000	237000	102000	35200	8320	293	Class 1000
ISO 7				352000	83200	2930	Class 10000
ISO 8				3520000	832000	29300	Class 100000
ISO 9				35200000	8320000	293000	Room Air

Criteria	Class 10 ISO 4	Class 100 ISO 5	Class 1000 ISO 6	Class 10000 ISO 7	Class 100000 ISO 8
Minutes / ACH	500-600 / 8 to 10	300 to 480 / 5 to 8	180 / 3	60 / 1	20 / 0.33
Filter coverage %	90 – 100	60 – 70	20 – 30	7 – 15	4 – 5
CFM per square foot	85 – 90	36 – 65	18 – 32	9 – 16	4 – 8
Filter Efficiency	99.9997% / U15 ULPA	99.997% / H14 HEPA	99.997% / H14 HEPA	99.97% / H13 HEPA	99.97% / H13 HEPA
Ceiling Type	Aluminium T-bar grid	Aluminium T-bar grid	Aluminium T-bar grid	Conventional T-bar grid	Conventional T-bar grid
Light Fixture Type	Tear drop or Flow thru fixture	Tear drop or 2'x4' cleanroom fixture	2'x4' cleanroom fixture	2'x4' cleanroom fixture	2'x4' Standard fixture
Ceiling Panel	FRP, Vinyl rock or Mylar	FRP, Vinyl rock or Mylar	Vinyl rock or Mylar	Vinyl rock or Mylar	Vinyl rock or Mylar
Wall System	Modular / standard built	Modular / standard built	Modular / standard built	Modular / drywall	Modular / drywall
Flooring Cover	Welded sheet vinyl / Epoxy	Welded sheet vinyl / Epoxy	Welded sheet vinyl / Epoxy	Sheet vinyl / VCT	Sheet vinyl / VCT
Flooring Base	2" to 6" cove	Cove / Al.	Cove / Al. base channel	Cove / Al. base channel	Cove / Al. base channel
Air Returns	Raised floor / center returns	Low wall on long axis	Low wall at perimeter	Low wall	Low wall / ceiling

Pre-Filters



Series: WR (Euro-Aire Washable Roll)

Material: Polyester

Efficiency: G2/G3/G4 (MERV 6/7/8)

Standard Size (Width x Length): 2m x 20m

Thickness Available: 5/10/14/20/25mm

Colour Available: White/Blue and White

Carbon Roll Series is available in size:

1m x 20m (Thickness: 3mm or 10mm)

*Note : Machine pre-cut sizes are available.



Series: EAPWP (Euro-Aire Washable Pleat)

Material: Polyester

Frame: Galvanised Steel (GI)/Aluminium

1" thickness comes in flat panel

2" thickness comes in flat panel or wavy pleats

4" thickness comes in wavy pleats

*Note: Customised sizes are available.

Primary Filters



Series: EAP (Euro-Aire Pleat)

Material: 100% Synthetic

Frame: Moisture-Resistant Beverage Board

Media Colour: White

Efficiency: G4 (MERV 8) - Standard

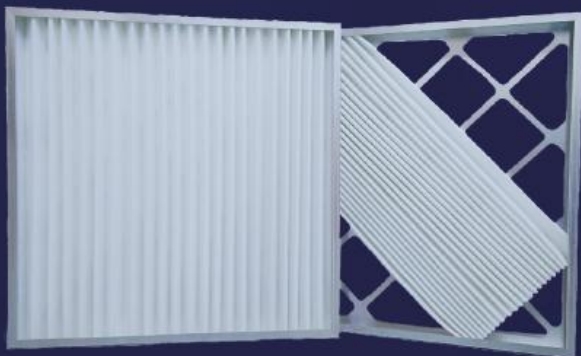
M6 (MERV 11) - Electrostatically charged

F7 (MERV 13) - Green Filter (Comply to GBI)

F8 (MERV 14) - Haze Filter (Comply to NEA Guideline standard)

Capacity: HC/SC/EC

**Note: Metal frame and customised sizes available upon request.*



Customers' Favourite!

Series: SPF (Sustainability Protection Filter)

Material: Self-Support Synthetic

Frame: Galvanised Steel (GI)/Aluminium/
Stainless Steel/Plastic

Media Colour: White

Efficiency: G4 (MERV 8) - Standard

M6 (MERV 11) - Electrostatically charged

F7 (MERV 13) - Green Filter (Comply to GBI)

F8 (MERV 14) - Haze Filter
(Comply to NEA Guideline standard)

Re-usable Frame. Media Replacement Only!

**Note: Please refer to page 18 for more info.*

Secondary Filters — Pocket Filters



Series: EAB (Euro-Aire Pocket)

Material: 100% Synthetic Media in sonic-sealed pockets

Efficiency: M5 (MERV 10), M6 (MERV 12), F7 (MERV 13), F8 (MERV 14), F9 (MERV 15)

**Note: Customised sizes are available.*



Series: EAB-R (Euro-Aire Rigid Pocket)

Material: Rigid Polyester Media in sonic-sealed pockets

Media Colour: White

Efficiency: M6 (MERV 12), F7 (MERV 13), F8 (MERV 14), F9 (MERV 15)

**Note: Customised sizes are available.*



Series: EAB-W (Euro-Aire Washable Pocket)

Material: Polyester Media in sonic-sealed pockets

Media Colour: White

Efficiency: G3 (MERV 6), G4 (MERV 8)

**Note: Customised sizes are available.*

Secondary Filters — Rigid Box Filters



Series: EARB-DP (Euro-Aire – Deep Pleat)

Material: 100% Synthetic

Frame: Galvanised Steel (GI)

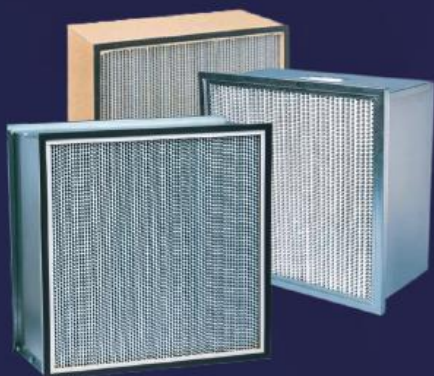
Header: None/Single/Double

Crossbar: Front & Back

Fingering: Front & Back

Efficiency: M6 (MERV 12), F7 (MERV 13), F8 (MERV 14)

**Note: Only standard sizes are available.*



Series: EARB-SP (Euro-Aire – Separator)

Material: Ultrafine Microglass Paper with Aluminium Separators

Frame: Galvanised Steel (GI)

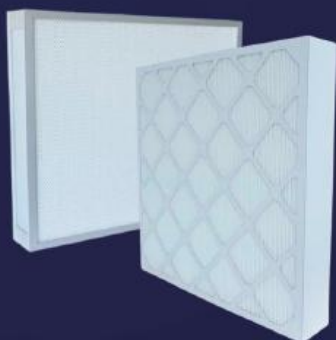
Header: None/Single/Double

Faceguard: Optional

Gasket: Optional

Efficiency: M6 (MERV 12), F7 (MERV 13), F8 (MERV 14)

**Note: Only standard sizes are available.*



Series: EARB-MP (Euro-Aire – Minipleat)

Material: Ultrafine Microglass Paper

Frame: Moisture-Resistant Beverage Board/
Galvanised Steel (GI)

Header: None/Single/Double

Efficiency: M6 (MERV 12), F7 (MERV 13), F8 (MERV 14)

**Note: Customised sizes are available.*



Series: EARB-V (Euro-Aire – V-Bank)

Material: Ultrafine Microglass Paper

Frame: HIPS Plastic / Galvanised Steel (GI)

Header: None (GI)/Single

Efficiency: M6 (MERV 12), F7 (MERV 13),
F8 (MERV 14), F9 (MERV 15)

**Note: Only standard sizes are available.*

Final Filters — HEPA/ULPA



Series: EAPA-SP / EAUPA-SP

(Euro-Aire HEPA / ULPA – Separator)

Material: Ultrafine Microglass Paper with Aluminium Separators

Frame: Galvanised Steel (GI) / Particle Board / Stainless Steel (SS)

Header: None / Single / Double

Faceguard: Optional

Gasket: None / AES / ALS / Both Sides

Efficiency: H13~H14 (99.99%~99.999% @ 0.3 micron)

U15~U17 (99.9995%~99.99995% @ 0.12 micron)

*Note: Semi-HEPAs (E10~E11) are available.



Series: EAPA-V / EAUPA-V (Euro-Aire HEPA / ULPA – V-Bank)

Material: Ultrafine Microglass Paper

Frame: Galvanised Steel (GI) / ABS Plastic

Header: None (GI) / Single

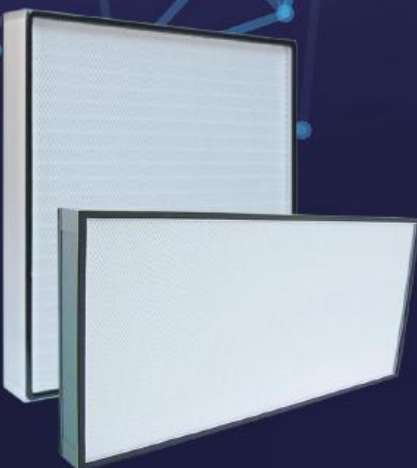
Faceguard: Optional

Gasket: None / AES / ALS / Both Sides

Efficiency: H13~H14 (99.99%~99.999% @ 0.3 micron)

U15~U17 (99.9995%~99.99995% @ 0.12 micron)

*Note: Semi-HEPAs (E10~E11) are available.



Series: EAPA-MP / EAUPA-MP

(Euro-Aire HEPA / ULPA – Minipleat)

Material: Ultrafine Microglass Paper

Frame: Anodised Extruded Aluminium (AL)

Header: None

Faceguard: AES and ALS

Gasket: None / AES / ALS / Both Sides

Efficiency: H13~H14 (99.99%~99.999% @ 0.3 micron)

U15~U17 (99.9995%~99.99995% @ 0.12 micron)

*Note: Semi-HEPAs (E10~E11) are available.

Final Filters - DTM / FFU / BIBO



Series: EAPA-DTM/RTM
(Euro-Aire Disposable/
Replaceable Terminal Modules)

Frame: Stainless Steel/Gavalum

Collar Size: 10"/12"

Comes with EAPA-MP/EAUPA-MP

*Note: Insulation layer is available upon request.



Series : EAPA-FFU (Euro-Aire Fan Filter Unit)

Frame: Stainless Steel/Gavalum

Motor: EBM/Others

Control: 5-Step/DC/EC Type

Comes with EAPA-MP/EAUPA-MP

Software can be standalone or BMS-enabled.



Series: EAPA-BIBO

(Euro-Aire Bag-In-Bag-Out Containment System)

Built: Stainless Steel/GI with Powder Coating

Comes with Primary, Secondary and Final Filter

Common sizes: 1W1H, 2W2H, 3W3H

*Note: Comes with one set of PVC bag and strap.

Carbon & Chemical Filters



Series: EAPCB (Euro-Aire Carbon Pleat Filter)

Material: G4 (MERV 8) Synthetic Media impregnated with Activated Carbon

Frame: Moisture-Resistant Beverage Board

Capacity: HC/SC/EC

***Note:** Filter in metal frame is available.

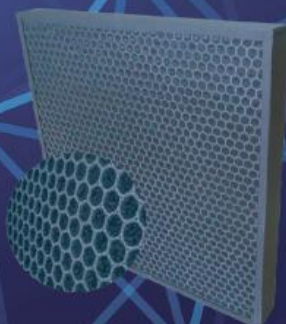


Series: EAPLCB (Euro-Aire Carbon Panel Filter)

Material: G4 (MERV 8) Synthetic Media filled with Granular Activated Carbon (GAC)

Frame: Moisture-Resistant Beverage Board comes with front and back Media Pad

***Note:** Filter in metal frame is available.

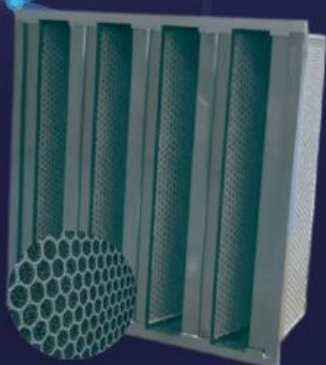


Series: EAPLCB-HN

(Euro-Aire Honeycomb Carbon Panel)

Material: Granular Activated Carbon (GAC)/
Palletised Activated Carbon (PAC)

Average Size: 4mm/4x8 mesh size



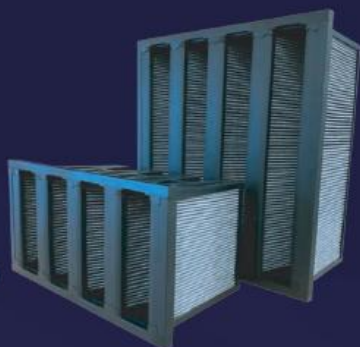
Series: EACB-VHN

(Euro-Aire 4V Carbon – Honeycomb Panel)

Material: Granular Activated Carbon (GAC)
in Honeycomb Panels

Frame: 4V-Bank in HIPS Plastic/Galvanised Steel (GI)

Carbon & Chemical Filters



Series: EACB-4VMP (Euro-Aire 4V Carbon – Minipleat)

Material: G4 (MERV 8) Synthetic Media impregnated with Premium Activated Carbon

Frame: 4V-Bank in HIPS Plastic/
Galvanised Steel (GI)



Series: EACB-DP (Euro-Aire Carbon – Deep Pleat)

Material: G4 (MERV 8) Synthetic Media impregnated with Premium Activated Carbon

Frame: Galvanised Steel (GI)

Header: None/Single/Double

Fingering: AES and ALS (Based on requirement)

Cross Bar: ALS



Series: EACB-GAC/PAC

(Euro-Aire Granular/Palletised Activated Carbon)

Material: Granular/Palletised Activated Carbon

Average Size: 4mm/4x8 mesh size

Weight: 25kgs/sag



Series: EACB-Z

(Euro-Aire Z-Bank Carbon System)

Material: Granular Activated Carbon (GAC)/
Palletised Activated Carbon (PAC)

Housing: Galvanised Steel (GI)/Stainless Steel (SS)

Structure: Z-Bank Honeycomb Carbon Panels



Series: EACB-C

(Euro-Aire Cylindrical Carbon System)

Material: Granular Activated Carbon (GAC)/
Palletised Activated Carbon (PAC)

Cylinders: HIPS Plastic/ Stainless Steel

Compressed Air & Gas Turbine Applications



Series: RGF (Euro-Aire Glassfibre Media Roll)

Material: Lofty Glassfibre Media

Efficiency: G2/G3 (MERV 6/7)

Thickness: 2"/3"/4"

Colour: Green/White or Plain White

***Note:** Pre-cut sizes are available.



Series: EASSP (Euro-Aire Coalescer Filter)

Material: 100% Synthetic Self-Support Media

Efficiency: G4/M6/F7 (MERV 8/12/13)

Frame: HIPS Plastic

Fingering: Plastic, AES and ALS

Thickness: 3"/4"/5"



Series: EARB-SP-GT (Euro-Aire – Separator, GT)

Efficiency: M6/F7/F8/F9

(MERV 12/13/14/15)

Material: Ultrafine Microglass Paper with Aluminium Separators

Frame: Galvanised Steel (GI)

Header: None/Single/Double

Depth: 6"/12"

Faceguard: AES and ALS

Gaskets: None/AES/ALS/Both sides



Series: EARB-4V-GT (Euro-Aire – V-Bank, GT)

Efficiency: F8/F9/E10/E11

(MERV 14/15/16/17)

Material: Ultrafine Microglass Paper

Frame: HIPS Plastic

Header: None (GI)/Single

Depth: 12"/17"

Faceguard: ALS (At both outer sides)

AHU Equipment

An invention that transforms the cooling coil maintenance by PLC-controlled and washing coils automatically.



Series: OKTOWA

Description: PLC-controlled Auto-Coil Cleaning System

Advantages:

- Save Utility Consumption
- Save Manpower
- Save Energy
- Save Time
- Save Hassle

*Note: Custom-made size based on airflow calculation.

SumoSam



Series: SumoSam (Ethylene Absorber)

SumoSam is ethylene absorber which helps to delay the ripening of fruits and vegetables. By removing ethylene, it:

- Slows down the ripening process
- Extends shelf life of fruits and vegetables
- Reduces spoilage during storage and transportation

Euro-Aire Air Purifier



Series: 5-Stage Air Purifying System

Description:

- Particulate Removal Efficiency: H13 (99.9%@0.3micron)
- Anti-viral and Anti-bacterial Efficacy: > 99%*
(*Based on Safety and Hygiene Standard: GB28235-2011)
- UV Radiation Intensity: > 94μW/cm²
- Negative Ion concentration: > 3 x 10⁵ pcs/m³
- Control: 3-Speed, Touchscreen
- Airflow Capacity: Ranging from 525cmh to 1890 cmh
- Room Space Coverage: Ranging from 55m² to 236m²
- Noise Level: Ranging from 63 dBA to 68 dBA
- Compact Design that suits well with all decorations and 24/7 operations

Go-Green Series: Sustainability Protection Filter (SPF)

General

- A member of Euro-Aire's Go-Green Series.
- A patent-pending product.
- Serves as an innovative solution to replace pleated panel air filters as the primary stage of protection for equipment, occupants and during fire hazard.
- Extremely versatile in inter-changing and holding its extended surface medias of different efficiencies, ranging from G4 to F8, using the same frame!
- Great cost saving by just purchasing media refill in long run.



Construction Features and Advantages

- 100% Self-Support Synthetic Media that is 100% incinerable.
- 2 times more dust holding capacity that extends filter lifespan.
- Low initial pressure drop that saves energy.
- Media refills are uniquely packed to save Storage, Disposal, Transportation and Handling (SDTH) costs.
- Media refills come in a choice of 4 different efficiencies (G4, M6, F7, F8) — "Media Replacement Only" concept helps saving cost!
- Sturdy and uniquely designed frame structure made of Aluminium / Plastic-made, ensuring hassle-free and time-saving for media replacement work.
- Frames are air-tight gasketed to ensure low or no air by-pass is allowed and thus maintain superior filter integrity.
- International shipping packaging



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