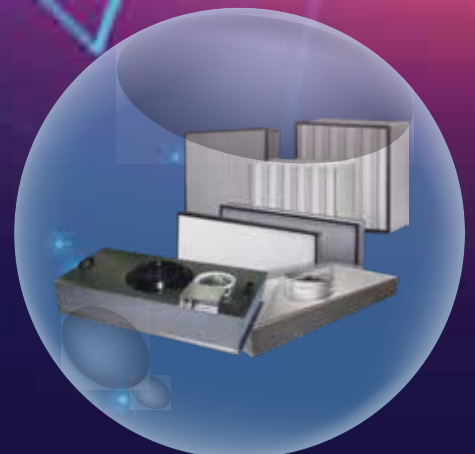
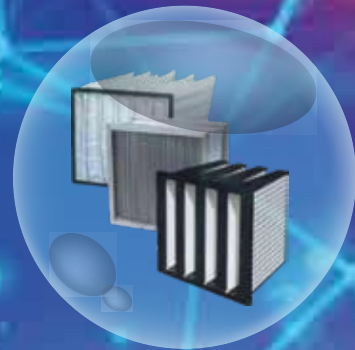
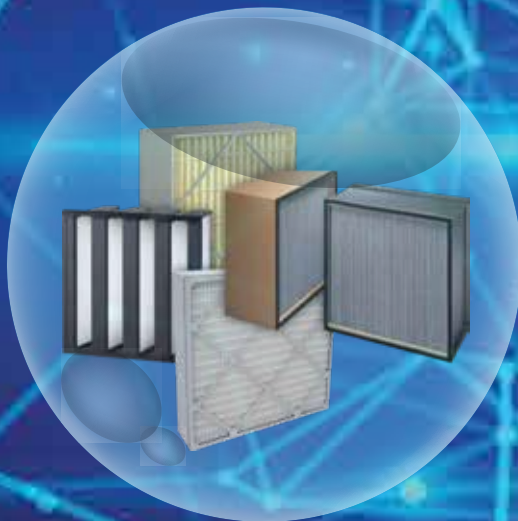
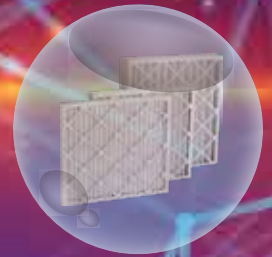




ALL PRODUCTS BROCHURE

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



Land Area:

40,000ft²

Loading Capacity:

Up to 5 containers at one time

Applications



Commercial

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



Healthcare/ Containment

- Hospitals
- Laboratories
- Operating Theatres

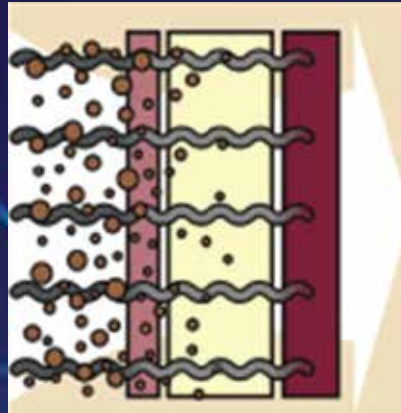


Industrial/ Cleanrooms

- Power Plants
- Semiconductors
- Factories/Manufacturing Plants

Understanding Air Filtration

Particulate Filtration



Pre Filter

- 10 microns and above

Primary Filter

- 3 to 10 microns

Final Filter

- 0.3 microns
- 0.12 microns

Secondary Filter

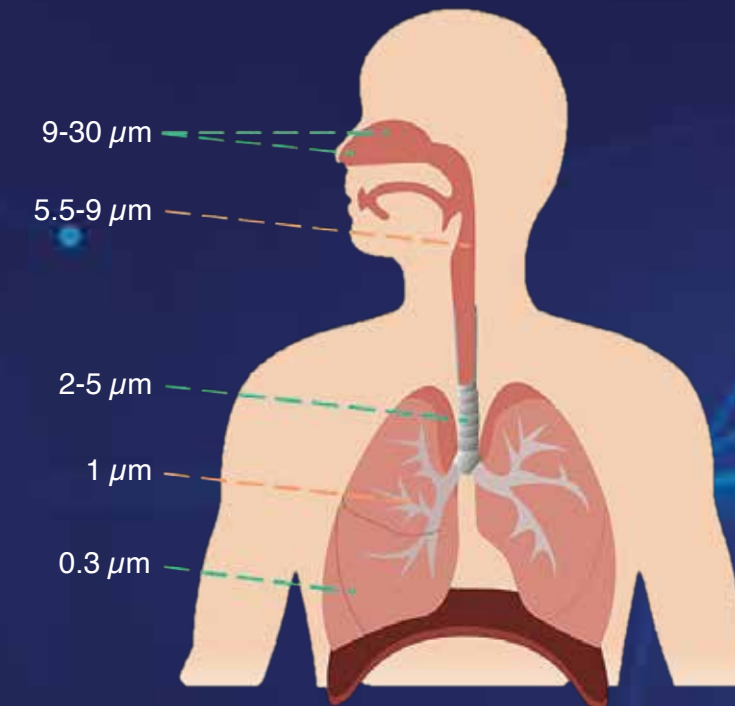
- 1 to 3 microns

Defining Particulate Sizes



Understanding Air Filtration

How does clean air impact our breathing system?



Factors Affecting Filter Selection

- **Efficiency** – Number and size of challenge particles removed from airstream.
- **Pressure Drop** – Resistance to airflow created by a filter.
- **Airflow Capacity** – Amount of air specified for a filter - either in Cubic Feet per Minute (CFM) or Cubic Meter per Hour (CMH) - affecting both pressure drop and efficiency.
- **Dust Holding Capacity (Optional)** – Amount of particulates contained by a filter - in gram (g) - affecting its lifespan.

Testing Method– EN vs. ASHRAE

Filter Group	Filter Class EN 779-2012	ASHRAE 52.1		ASHRAE 52.2-2007 MERV Rating	ISO 16890
		Arrestance	DS Efficiency		
G (Arrestance Filter)	G1	<65%	-	1	ISO Coarse
	G2	65% < 70%	-	2	
	G2	70% < 75%	-	3	
	G2	75% < 80%	< 20%	4	
	G3	80%	20%	5	
	G3	85%	20% < 25%	6	
	G4	90%	25% < 30%	7	
	G4	92%	35% < 40%	8	
M (Medium Efficiency Filters)	M5	95%	40% < 45%	9	ISO Coarse >95%
	M5	96%	50% < 55%	10	
	M6	97%	60% < 65%	11	ePM₁₀
	M6	98%	70% < 75%	12	
F (DS Efficiency Filters)	F7	98%	80% < 85%	13	ePM₁
	F8	99%	90% < 95%	14	
	F9	99%	95%	15	

Filter Group	Filter Class EN 1822-2012	ASHRAE 52.1		ASHRAE 52.2-2007 MERV Rating	Efficiency @ 0.3 micron	Efficiency @ MPPS
		Arrestance	DS Efficiency			
E (Efficiency Particulate Filter)	E10	100%	98%	16	-	<85%
	E11	-	-	-	95%	<95%
	E12	-	-	-	98%	<99.5%
H (HEPA Filters)	H13	-	-	-	99.99%	<99.95%
	H14	-	-	-	99.999%	<99.995%
Efficiency @ 0.12 micron						
U (ULPA Filters)	U15	-	-	-	99.9995%	<99.9995%
	U16	-	-	-	99.99995%	<99.99995%
	U17	-	-	-	99.999995%	<99.999995%

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)

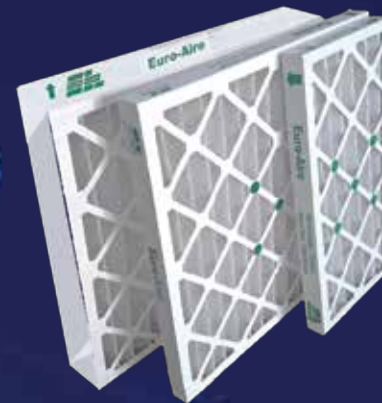
*Note : Machine pre-cut sizes are available.



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

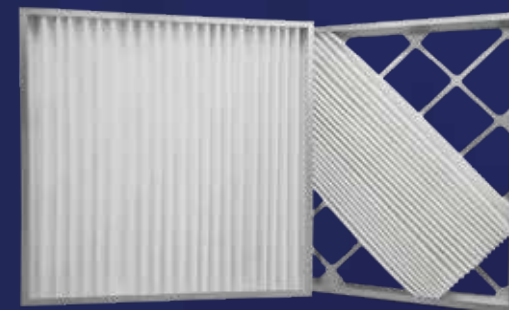
*Note: Customised sizes are available.

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

New product



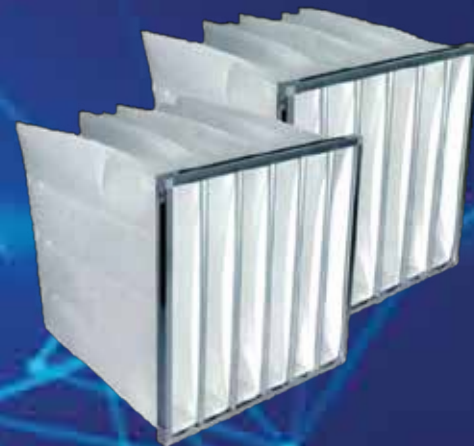
Series: SPF (Serviceable Pleat Filter)
Material: Self- Support Synthetic
Frame: Galvanised Steel (GI)/Aluminium/
 Stainless Steel/Plastic
Media Colour: White
Efficiency: G4 (MERV 8) - Standard
 M6 (MERV 11) - Electrostatically charged
 F7 (MERV 13) - Green Filter
 (Comply to GBI)
 F8 (MERV 14) - Haze Filter
 (Comply to NEA Guideline standard)
 Re-usable Frame. Media Replacement Only!

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)

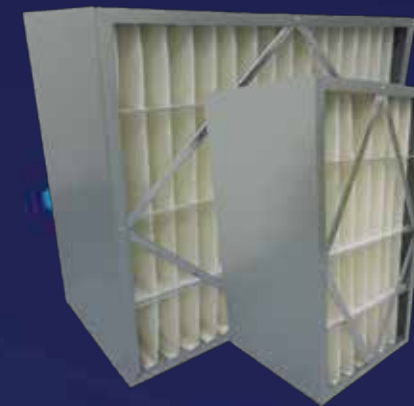
*Note: Customised sizes are available.



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.



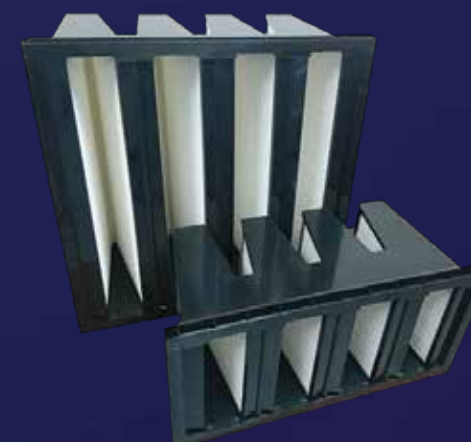
Series: EARB-SP (Euro-Aire – Separator)
Material: Ultrafine Microglass Paper with Aluminium Separators
Frame: Galvanised Steel (GI)
Header: None/Single/Double
Faceguard: Optional
Gasket: Optional
Efficiency: M6 (MERV 12), F7 (MERV 13), F8 (MERV 14)

*Note: Only standard sizes are available.



Series: EARB-MP (Euro-Aire – Mini-pleat)
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

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.



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)

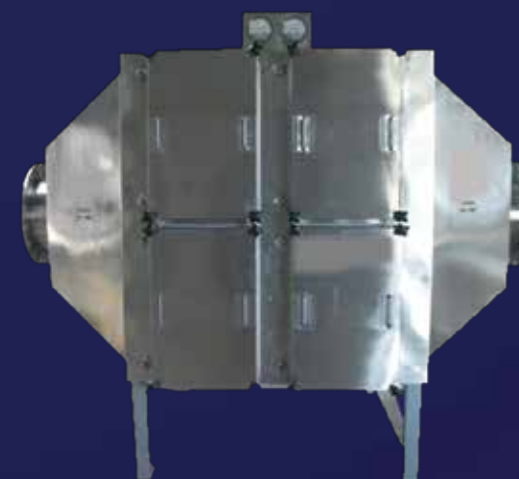
Frame: Stainless Steel/Gavalum

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



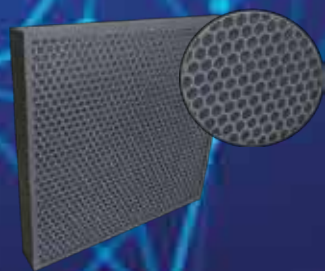
Series: EAPCB (Euro-Aire Carbon Pleat Filter)
Material: G4 (MERV 8) Synthetic Media impregnated with Activated Carbon
Frame: Moisture-Resistant Beverage Board
Capacity: HC/SC/EC

*Note: Filter in metal frame is available.

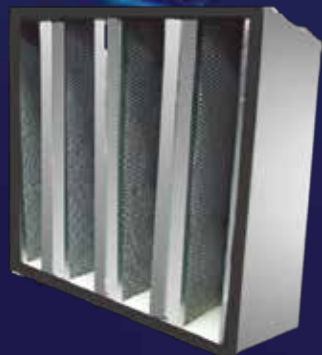


Series: EAPLCB (Euro-Aire Carbon Panel Filter)
Material: G4 (MERV 8) Synthetic Media filled with Granular Activated Carbon
Frame: Moisture-Resistant Beverage Board comes with front and back Media Pad

*Note: Filter in metal frame is available.



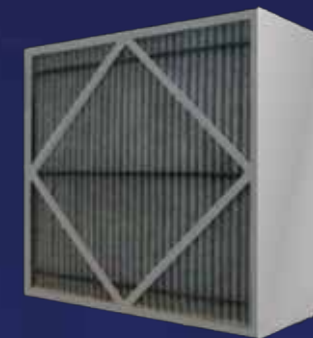
Series: EAPLCB-HN
 (Euro-Aire Honeycomb Carbon Panel)
Material: Granular/Palletised Activated Carbon
Average Size: 4mm/4x8 mesh size
Frame: Galvanised Steel (GI)/Stainless Steel (SS)



Series: EACB-4HN
 (Euro-Aire 4V Carbon – Honeycomb Panel)
Material: Granular Activated Carbon in Honeycomb Panels
Frame: 4V-Bank in HIPS Plastic/Galvanised Steel (GI)



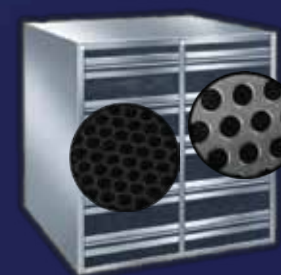
Series: EACB-4VMP (Euro-Aire 4V Carbon – Minipleat)
Material: G4 (MERV 8) Synthetic Media impregnated with Premium Activated Carbon
Frame: 4V-Bank in HIPS Plastic/Galvanised Steel (GI)



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

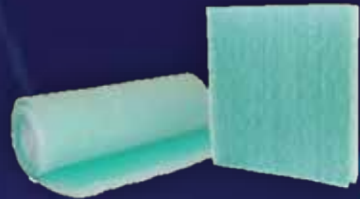


Series: EACB-Z
 (Euro-Aire Z-Bank Carbon System)
Material: Granular/Palletised Activated Carbon
Housing: Galvanised Steel (GI)/Stainless Steel (SS)
Structure: Z-Bank Honeycomb Carbon Panels



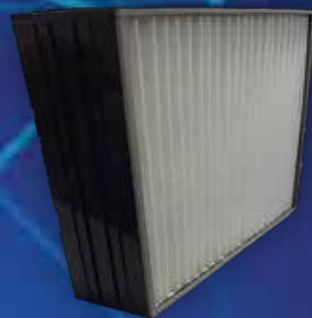
Series: EACB-C
 (Euro-Aire Cylindrical Carbon System)
Material: Granular/Palletised Activated Carbon
Cylinders: HIPS Plastic/Stainless Steel

Compressed Air & Gas Turbine Applications

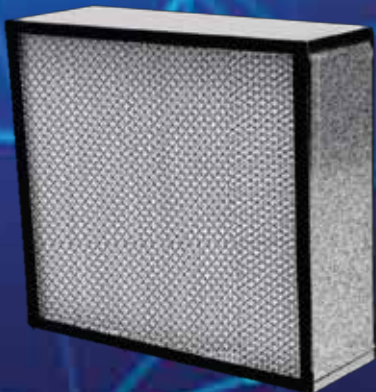


Series: RGF (Euro-Aire Glassfibre Media Roll)
Material: Lofty Glassfibre Media
Efficiency: G2/G3(MERV 6/7)
Thickness: 2"/3"/4"
Colour: Green/White or Plain White

*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)
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)
Material: Ultrafine Microglass Paper
Frame: HIPS Plastic
Header: None (GI)/Single
Depth: 12"/17"
Faceguard: ALS (At both outer sides)
Gaskets: None/AES/ALS/Both 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.

Kitchen Exhaust Application



Series: Euro-Aire Kitchen Exhaust Deodorizer

Material: Gel Pad containing 30 types of Plant Extracts

Advantages: Environmental Friendly
Energy Saving (Does not require any electricity to work)
Plug and Play

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

Consumer Product



Series: SumoSam

Description: Ethylene Absorber

Advantages: Prolong lifespan of fruits, vegetables and flowers

- Tested and proven!
- Refer to Airmaze's facebook page for videos demonstrations.



Series: SumoCoco

Description: Enhanced Carbon Pack

- Multi-purpose usage for car, shoes, shoes racks and refrigerators.
- Absorbs moisture and removes odour.
- Contains Sodium Permanganate that performs 4 times better

Go-Green Series: Serviceable Pleat Air Filter (SPF)

General

- A new 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 refills 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 Galvanised Steel (GI)/Aluminium/ Stainless Steel/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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