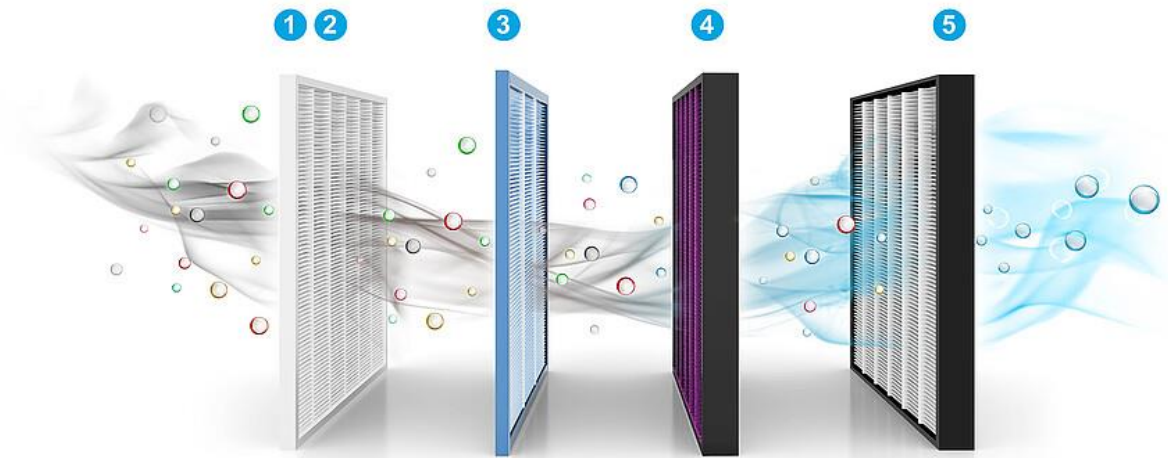




AIRFIL TECHNOLOGY

AIR FILTER PRODUCTS



1 2 Prefilter layer	3 Functional layer	4 Gas phase filtration layer	5 Microfiber layer (HEPA)
Pleated or flat mat Pre-filter and washable filter is available upon request.	Patented biocide- and nano-silver free bio-functional filter	The specially treated filter layer to capture odors, formaldehyde and volatile organic compounds	High efficiency filter with efficiency of 99.97% at 0.3um particle and 99.95% at MPPS per standard EN1822
REMOVE	REMOVE	REMOVE	REMOVE
Coarse particals Fine particles Ultrafine particles Harmful gas Allergy	PM2.5, PM0.3 Formaldehyde Toluene TVOC Allergy NO _x , SO ₂ , H ₂ S, NH ₃	PM2.5, PM0.3 Formaldehyde Toluene TVOC NO _x , SO ₂ , H ₂ S, NH ₃	PM2.5, PM0.3

OUR PRODUCTS –

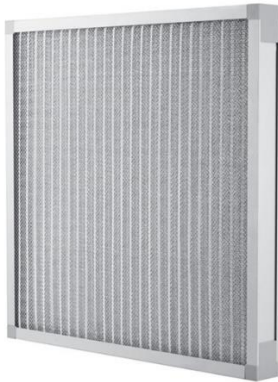
- PRE-FILTER
- FINE FILTER / COMBINATION FILTER
- CARBON FILTER
- SEMI HEPA FILTER
- HEPA FILTER
- MINI PLEAT HEPA FILTER
- GEL SEAL MINI PLEAT HEPA FILTER
- TERMINAL BOX



FILTER STANDARD CHART

Type	Filter Class	EU Classification	MERV	Average Arrestance	Average Efficiency	Average Efficiency 0.3 Micron	Efficiency
Filter Coarse Dust	G1	EU1	MERV - 1-4	A < 65	N/A	N/A	Rod Filters
	G2	EU2		65 < A < 80	N/A	N/A	85% TO 20 Micron
	G3	EU3	MERV - 5-6	80 < A < 90	N/A	N/A	90% Down to 20 Micron
	G4	EU4	MERV - 7-8	90 < A			90% Down to 10 Micron
Filter for Fine Dust	F5	EU5	MERV -9-10	N/A	40 < E < 60	N/A	95% Down to 5 Micron
	F6	EU6	MERV -11-12	N/A	60 < E < 80	N/A	99.99% Down to 5micron
	F7	EU7	MERV - 13	N/A	80 < E < 90	N/A	99% Down to 3 Micron
	F8	EU8	MERV – 14	N/A	90 < E < 95	N/A	99 % Down to 1 Micron
	F9	EU9	MERV – 15	N/A	95 < E	N/A	50% Down to 0.3 Micron
Filter for Microparticles	H10	EU10	MERV – 16	N/A	N/A	85%	85% Down to 0.3 Micron
	H11	EU11	MERV – 17	N/A	N/A	95%	95% Down to 0.3 Micron
HEPA FILTER	H12	EU12	MERV	N/A	N/A	99.50%	99.5% Down to 0.3 Micron
	H13	EU13	MERV	N/A	N/A	99.95%	99.97% Down to 0.3 Micron
	H14	EU14	MERV	N/A	N/A	99.995%	99.99% Down to 0.3 Micron

PRE-FILTER: - 10 MICRON



Filter Class	MOC	MERV Rating	Filter Eurovant Class	Frame Depth	Gasket Thickness
G-4	Al Extrusion	MERV 8	EU 4	25	3MM
				50	3MM

Media – 100 % Washable Synthetic Non-Woven Media

Feature -

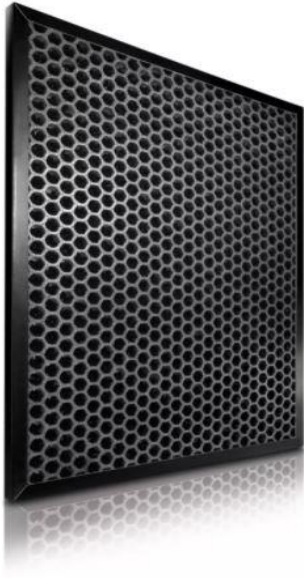
- 100 % Washable
- Long Service Life
- Low Pressure Drop
- Available In Standard & Non-Standard Sizes
- Light in Weight

Application –

- To Maintain Indoor Air Quality
- Pre-Filtration for Air Conditioning & Air Handling Unit
- For Clean Room Application
- Necessary Used To Remove Solid Particulates Such As Dust, Pollen, Mold, From The Air

Filter Size	CFM	Efficiency (%)	IPD (mm of WG)	FPD (mm of WG)	Max Pressure (mm of WG)	Temp (Degree C)
610 X 610 X 50 MM	2000	90 % Down to 10 Micron	4-5	13-14	50	70-80
610 X 305 X 50 MM	1000	90 % Down to 10 Micron	4-5	13-14	50	70-80
305 X 305 X 50MM	500	90 % Down to 10 Micron	4-5	13-14	50	70-80

Carbon Filter –



Media – Activated Carbon Media

Feature -

- High Efficiency
- Long Service Life
- Low Pressure Drop
- Available In Standard & Non-Standard Sizes
- Light in Weight
- About 80-90% of the odour is absorbed.

Application –

- To Exhaust Application
- Air Handling Unit
- For Clean Room Application
- Used to absorb odour from the air passing through it with the help of Activated Carbon.

Technical Parameter

Filter Size	IPD (mm of WG)	FPD (mm of WG)	Max Pressure (mm of WG)	Temp (Degree C)
610 X 610 X 50 MM	4-5	15	25	70-80
610 X 610 X 150 MM	7-8	20-22	50	70-80
610 X 610 X 300 MM	30	250	500	70-80

FINE FILTER: - 5 MICRON



Filter Class	MOC	MERV Rating	Filter Eurovant Class	Frame Depth	Gasket Thickness
F5	Al Anodized	MERV 9-10	EU 5	300 MM 150 MM	3MM

Media – 100 % Washable Synthetic Non-Woven Media

Feature -

- 100 % Washable
- Long Service Life
- Available in Standard & Non-Standard Sizes
- Cleanable by Compress Air
- High Dust Holding Capacity.

Application –

- To Maintain Indoor Air Quality
- Fine Filtration for Air Handling Unit & Clean Room Application
- Industrial & Hospital Applications.

Technical Parameter

Filter Size	CFM	Micron	Efficiency %	IPD (mm of WG)	FPD (mm of WG)	Max Pressure (mm of WG)	Temp (Degree C)
610 X 610 X 300 MM	2000	5	95% @ 5 Micron	6-7	20	50	70-80
610 X 305 X 300 MM	2000	5	95% @ 5 Micron	6-7	20	50	70-80
305 X 305 X 300 MM	2000	5	95% @ 5 Micron	6-7	20	50	70-80

FINE FILTER: - 3 MICRON



Filter Class	MOC	MERV Rating	Filter Eurovant Class	Frame Depth	Gasket Thickness
F7	Al Anodized	MERV 9-15	EU 5 TO EU 9	300 MM 150 MM	3MM

Media – 100 % Washable Synthetic Non-Woven Media

Feature -

- 100 % Washable
- Long Service Life
- Available in Standard & Non-Standard Sizes
- Cleanable by Compress Air
- High Dust Holding Capacity.

Application –

- To Maintain Indoor Air Quality
- Fine Filtration for Air Handling Unit & Clean Room Application
- Industrial & Hospital Applications.

Technical Parameter

Filter Size	CFM	Micron	Efficiency %	IPD (mm of WG)	FPD (mm of WG)	Max Pressure (mm of WG)	Temp (Degree C)
610 X 610 X 300 MM	2000	3	99% @ 3 Micron	8-9	22	55	70-80
610 X 305 X 300 MM	1000	3	99% @ 3 Micron	8-9	22	50	70-80
305 X 305 X 300 MM	500	3	99% @ 3 Micron	8-9	22	50	70-80

SEMI HEPA FILTER: - 0.3 MICRON



Filter Class	MOC	MERV Rating	Filter Eurovant Class	Frame Depth	Gasket Thickness
F9	Al Anodized	MERV 15	EU 9	300 MM 150 MM	3MM

Media – Micro Glass Fibre Paper Imported

Feature -

- Long Service Life
- High Filter Efficiency
- Available in Standard & Non-Standard Sizes
- High Dust Holding Capacity.

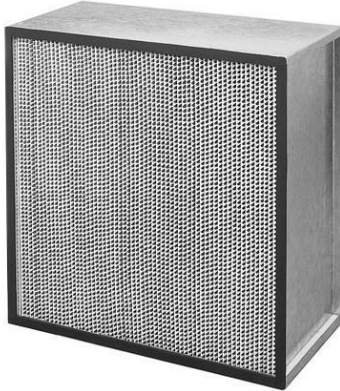
Application –

- In Cleanroom to achieve desired class of filtration
- Laminar Air Flow for bacteria free air
- Industrial, Pharma & Hospital Applications.

Technical Parameter

Filter Size	CFM	Micron	Efficiency %	IPD (mm of WG)	FPD (mm of WG)	Max Pressure (mm of WG)	Temp (Degree C)
610 X 610 X 300 MM	2000	0.3	50% @ 0.3 Micron	15	40	100	70-80
610 X 305 X 300 MM	1000	0.3	50% @ 0.3 Micron	15	40	100	70-80
305 X 305 X 300 MM	500	0.3	50% @ 0.3 Micron	15	40	100	70-80

HEPA FILTER: -



Filter Class	MOC	MERV Rating	Filter Eurovant Class	Frame Depth	Gasket Thickness
H 13 & 14	Al Anodised	MERV 19	EU 13 & EU 14	150	5 MM
				300	5 MM

Media – Micro Glass Fibre Paper Imported

Feature -

- High Filter Efficiency.
- High Dust Holding Capacity
- Available in Standard & Non-Standard Sizes

Application –

- To Maintain Indoor Air Quality
- High Filtration for Air Handling Unit & Clean Room Application
- Broad Application in Clean Room Pharmaceuticals, Lab & Hospitals Area

Filter Size	CFM	Micron	Efficiency %	IPD (mm of WG)	FPD (mm of WG)	Max Pressure (mm of WG)	Temp (Degree C)
610 X 610 X 300 MM	1000	0.3	99.99% @ 0.3 Micron	25	60	100	70-80
450 X 450 X 300 MM	500	0.3	99.99% @ 0.3 Micron	25	60	100	70-80
305 X 305 X 300 MM	250	0.3	99.99% @ 0.3 Micron	25	60	100	70-80

MINI PLEAT HEPA FILTER:



Filter Class	MOC	MERV Rating	Filter Eurovant Class	Frame Depth	Gasket Thickness
H 13 & 14	Al Extrusion	MERV 19	EU 13 & EU 14	81	3 MM
				105	3 MM
				135	3 MM

Media – Micro Glass Fibre Paper Imported

Feature -

- High Filter Efficiency.
- High Dust Holding Capacity
- Long Service Life
- Large Surface for filtration

Application –

- Cleanroom to achieve desired class of filtration
- High Filtration for Clean Room Application
- Broad Application in Pharmaceuticals, Lab & Hospitals Area

Technical Parameter

Filter Size	CFM	Micron	Efficiency %	IPD (mm of WG)	FPD (mm of WG)	Max Pressure (mm of WG)	Temp (Degree C)
610 X 610 X 105 MM	1000	0.3	99.99% @ 0.3 Micron	25	60	100	70-80
450 X 450 X 105 MM	500	0.3	99.99% @ 0.3 Micron	25	60	100	70-80
305 X 305 X 105 MM	250	0.3	99.99% @ 0.3 Micron	25	60	100	70-80

GEL SEAL MINI PLEAT HEPA FILTER:



Filter Class	MOC	MERV Rating	Filter Eurovant Class	Frame Depth	Gasket Thickness
H 13 & 14	Al Extrusion	MERV 19	EU 13 & EU 14	81	3 MM
				105	3 MM
				135	3 MM

Media – Micro Glass Fibre Paper Imported

Feature -

- High Filter Efficiency.
- High Dust Holding Capacity
- Long Service Life
- Large Surface for filtration

Application –

- Cleanroom to achieve desired class of filtration
- High Filtration for Clean Room Application
- Broad Application in Pharmaceuticals, Lab & Hospitals Area

Technical Parameter

Filter Size	CFM	Micron	Efficiency %	IPD (mm of WG)	FPD (mm of WG)	Max Pressure (mm of WG)	Temp (Degree C)
610 X 610 X 105 MM	1000	0.3	99.99% @ 0.3 Micron	25	60	100	70-80
450 X 450 X 105 MM	500	0.3	99.99% @ 0.3 Micron	25	60	100	70-80
305 X 305 X 105 MM	250	0.3	99.99% @ 0.3 Micron	25	60	100	70-80

Some of Our Valued clients:



Clean Air



AIRFIL TECHNOLOGY

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