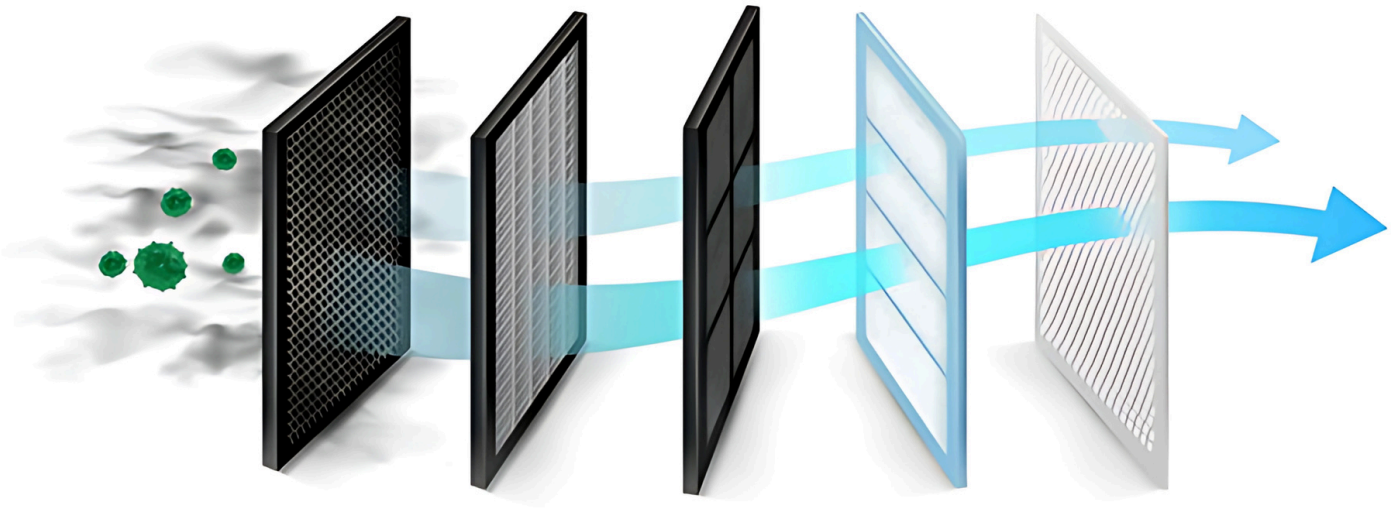
VENTICLEAR

EXCELLENCE IN EVERY BREATH



PURE PERFORMANCE

Enhancing air quality with high-performance filtration solutions for industrial, commercial, and cleanroom applications. Reliable, efficient, and built for purity.

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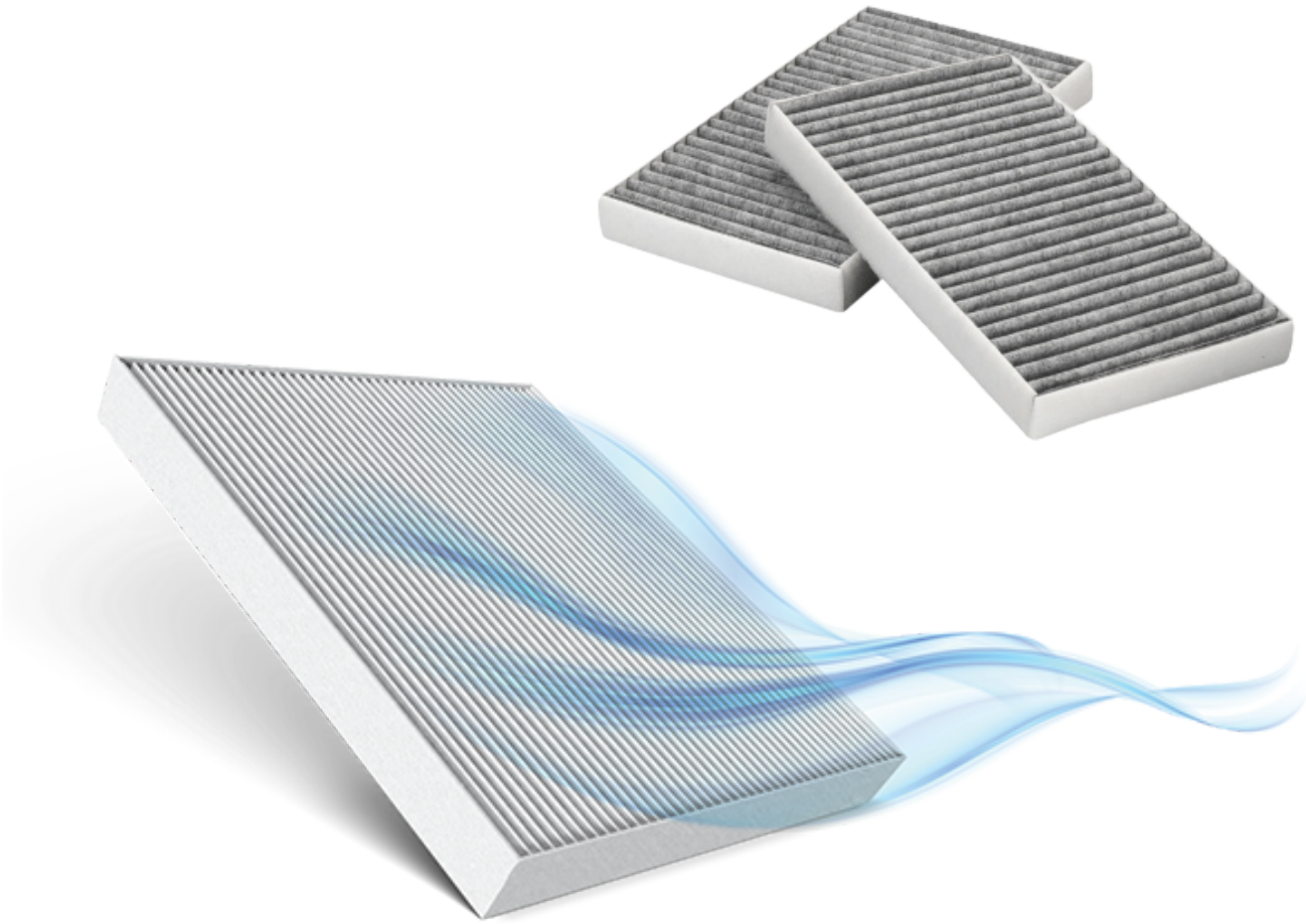
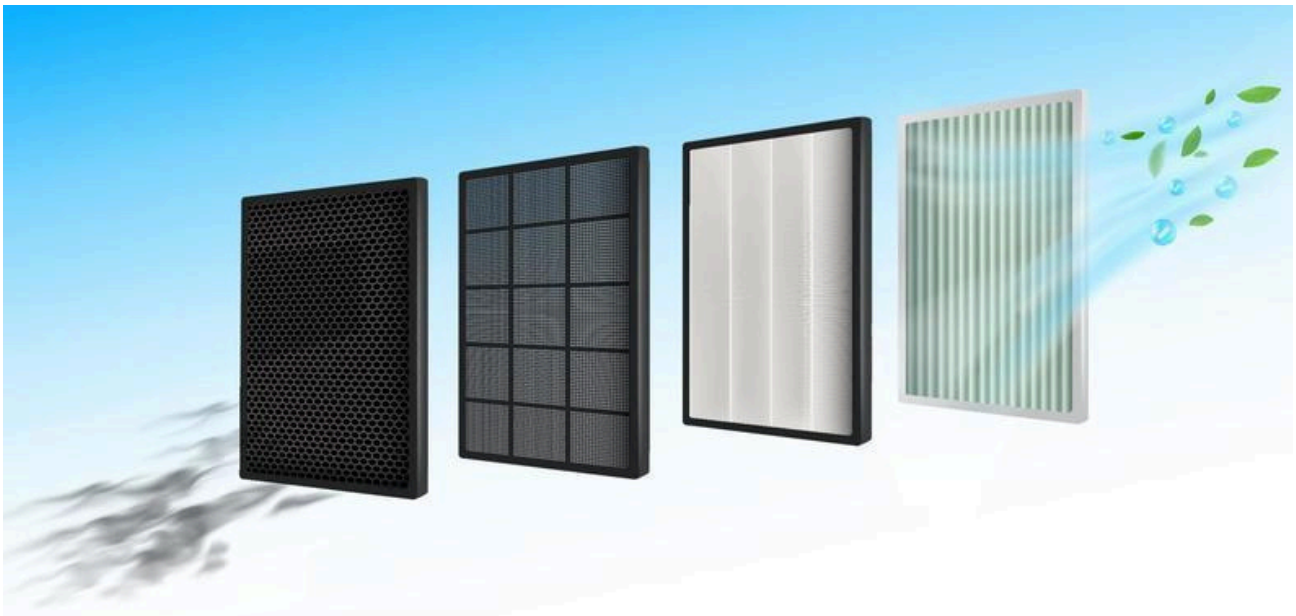
WHO ARE WE?



Venticlear is a leading provider of high-quality air filtration solutions, dedicated to ensuring cleaner air for industries, businesses, and health-sensitive environments. Our products are designed with precision and efficiency to enhance air quality and optimize performance.

WHY CHOOSE US?

CLEAN AIR IS NOT A LUXURY; IT'S A NECESSITY VENTICLEAR ENSURES YOU BREATHE ONLY THE BEST



Venticlear is committed to innovation, efficiency, and reliability. Our advanced filtration solutions effectively capture airborne contaminants, ensuring superior air quality. Designed for clean rooms, hospitals, industrial setups, and commercial spaces, our filters provide high performance and durability. With a focus on efficiency and quality, Venticlear is your trusted partner for cleaner, healthier air.

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OUR PRODUCT

WE OFFER ADVANCED AIR FILTRATION SOLUTIONS DESIGNED FOR SUPERIOR PERFORMANCE IN HVAC SYSTEMS.

Venticlear offers advanced air filtration solutions designed to enhance indoor air quality and optimize HVAC performance. Our HEPA filters provide exceptional air purity for clean rooms and hospitals, while pre filters capture larger particles, Extending the life of finer filters. Fine filters trap smaller pollutants for cleaner indoor environments, and mini pleat filters maximize efficiency with low airflow resistance, ideal for sensitive applications. For high dust loads, our bag filters offer superior capacity, making them perfect for industrial and commercial HVAC systems. With Venticlear, you get cutting-edge filtration for cleaner, healthier air.

PRE FILTER

THE FIRST LINE OF DEFENSE AGAINST AIRBORNE CONTAMINANTS

Filter Class	MOC	MERV Rating	Eurovent Class	Frame Depth (mm)	Gasket Thickness (mm)
G-4	Al Extrusion	MERV 8	EU 4	25 / 50	3

Filter Size (mm)	CFM	Efficiency	IPD (mm WG)	FPD (mm WG)	Temp (°C)
610 × 610 × 50	2000	90% @ 10 Micron	4–5	13–14	70–80
610 × 305 × 50	1000	90% @ 10 Micron	4–5	13–14	70–80
305 × 305 × 50	500	90% @ 10 Micron	4–5	13–14	70–80

Pre filters serve as the initial stage of filtration in HVAC systems, capturing larger particles such as dust, pollen, and lint. By preventing these contaminants from reaching finer filters, they enhance efficiency and extend the lifespan of HEPA and fine filters. Commonly used in HVAC systems, food processing plants, malls, and industrial facilities, pre filters help maintain clean air while ensuring optimal system performance and energy efficiency.

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FINE FILTER

PRECISION FILTRATION FOR CLEANER, HEALTHIER AIR

Filter Class	MOC	MERV Rating	Eurovent Class	Frame Depth (mm)	Gasket Thickness (mm)
F5- F9	AL / SS / GI	MERV 9–10/ MERV-14	EU 5 - EU 8	150 / 300	3

CLASS	Filter Size (mm)	CFM	Micron	Efficiency	IPD (mm WG)	FPD (mm WG)	Temp (°C)
F5	610 × 610 × 300	2000	5	95% @ 5 Micron	6–7	20–21	70–80
F6	610 × 610 × 300	2000	5	99% @ 5 Micron	7–8	21–22	70–80
F7	610 × 610 × 300	2000	3	99% @ 3 Micron	8–9	22–25	70–80
F8	610 × 610 × 300	2000	1	99% @ 1 Micron	9–10	25–28	70–80
F9	610 × 610 × 300	2000	0.3	50% @ 0.3 Micron	10–11	28–30	70–80

Fine filters are designed to capture smaller particles like mold spores, fine dust, and allergens, providing an extra layer of protection after pre filters. With high efficiency and precision, they contribute to improved indoor air quality, making them ideal for hospitals, pharmaceutical facilities, office buildings, and high-performance HVAC systems. Their superior filtration performance ensures cleaner air circulation, reducing health risks and equipment contamination.

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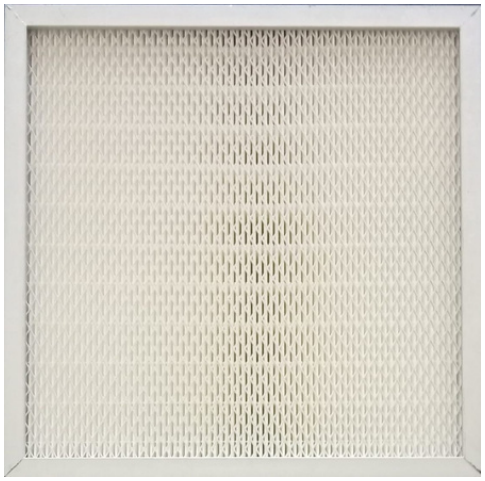
MINI PLEAT FILTER

MAXIMIZED EFFICIENCY WITH MINIMAL AIRFLOW RESISTANCE.



Filter Class	MOC	MERV Rating	Eurovent Class	Frame Depth (mm)	Gasket Thickness (mm)
H13 & H14	Al Extrusion	MERV 19	EU 13 & EU 14	81 / 105 / 135	3

Filter Size (mm)	CFM	Micron	Efficiency	IPD (mm WG)	FPD (mm WG)	Temp (°C)
610 × 610 × 105	1000	0.3	99.99% @ 0.3 Micron	25	60	70–80
450 × 450 × 105	500	0.3	99.99% @ 0.3 Micron	25	60	70–80
305 × 305 × 105	250	0.3	99.99% @ 0.3 Micron	25	60	70–80

Mini pleat filters feature an advanced pleated design that maximizes filtration surface area while maintaining low airflow resistance. These filters provide high-efficiency air purification and are widely used in clean rooms, laboratories, and hightech industrial applications. Their innovative structure makes them an excellent choice for HVAC systems requiring maximum particle capture without compromising airflow efficiency

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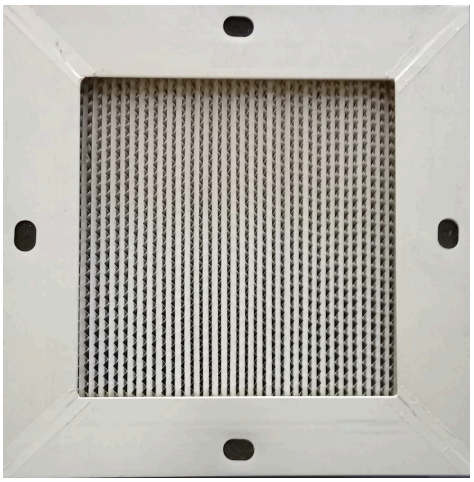
HEPA FILTER

UNCOMPROMISED AIR PURITY FOR CRITICAL ENVIRONMENTS.



Filter Class	MOC	MERV Rating	Eurovent Class	Frame Depth (mm)	Gasket Thickness (mm)
H13 & H14	Al Anodized	MERV 19	EU 13 & EU 14	150 / 300	5

Filter Size (mm)	CFM	Micron	Efficiency	IPD (mm WG)	FPD (mm WG)	Temp (°C)
610 × 610 × 300	1000	0.3	99.99% @ 0.3 Micron	25	60	70–80
450 × 450 × 300	500	0.3	99.99% @ 0.3 Micron	25	60	70–80
305 × 305 × 300	250	0.3	99.99% @ 0.3 Micron	25	60	70–80

HEPA (High-Efficiency Particulate Air) filters are essential for environments that require the highest level of air purity. These filters capture at least 99.97% of airborne particles as small as 0.3 microns, ensuring superior air purification. Designed to meet strict industry standards, HEPA filters are widely used in clean rooms, hospitals, pharmaceutical industries, and high tech manufacturing facilities. They play a critical role in HVAC systems by improving indoor air quality, reducing airborne contaminants, and extending system longevity.

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BAG FILTER

HIGH-CAPACITY FILTRATION FOR INDUSTRIAL AND COMMERCIAL USE

Filter Class	MOC	MERV Rating	Eurovent Class	Frame Depth (mm)	Gasket Thickness (mm)
F5- F9	AL / SS / GI	MERV 9–10/ MERV-14	EU 5 - EU 8	150 / 300	3

CLASS	Filter Size (mm)	CFM	Micron	Efficiency	IPD (mm WG)	FPD (mm WG)	Temp (°C)
F5	610 × 610 × 300	2000	5	95% @ 5 Micron	6–7	20–21	70–80
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F8	610 × 610 × 300	2000	1	99% @ 1 Micron	9–10	25–28	70–80
F9	610 × 610 × 300	2000	0.3	50% @ 0.3 Micron	10–11	28–30	70–80

Bag filters are designed to handle large dust loads and airborne contaminants, making them a preferred choice for industrial HVAC systems, commercial buildings, and large-scale ventilation systems. With high dust-holding capacity and extended service life, these filters ensure sustained efficiency and optimal indoor air quality. Their ability to trap fine dust, smoke, and airborne debris makes them ideal for demanding environments such as manufacturing plants, pharmaceutical facilities, and high-traffic public spaces.

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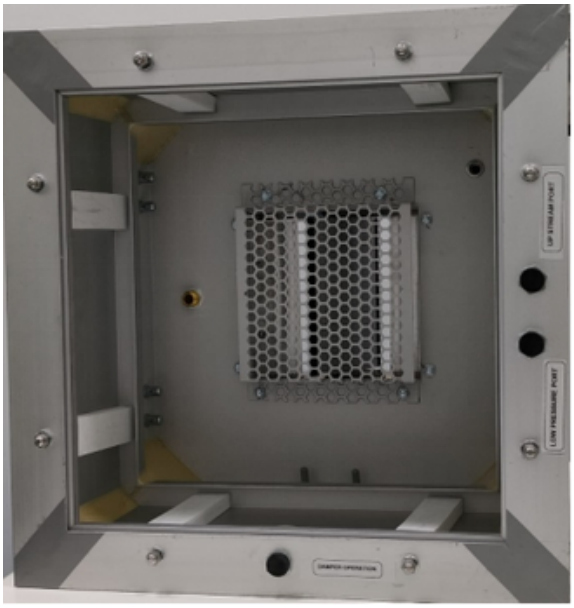
FILTER MODULE

The Filter Module is a high-efficiency terminal filtration system designed to deliver clean, particle-free air in controlled environments. Engineered for compatibility with a variety of ceiling grids and ducted systems, this module supports HEPA or ULPA filters to meet the most stringent air quality requirements in cleanrooms, pharmaceutical facilities, and hospitals.

Parameter	**Details**
Frame	Aluminium Powder Coated / SS-304
Dust Connection	Rectangular Connection
Air Entry	Side & Top
Housing Type	Box & Flange type with DOP & POA port, with bottom control damper
Grill Material (MOC)	SS304/16
Standard Grill Size	734×734, 574×574, etc.
Standard Housing Size	700×700, 540×540, etc.

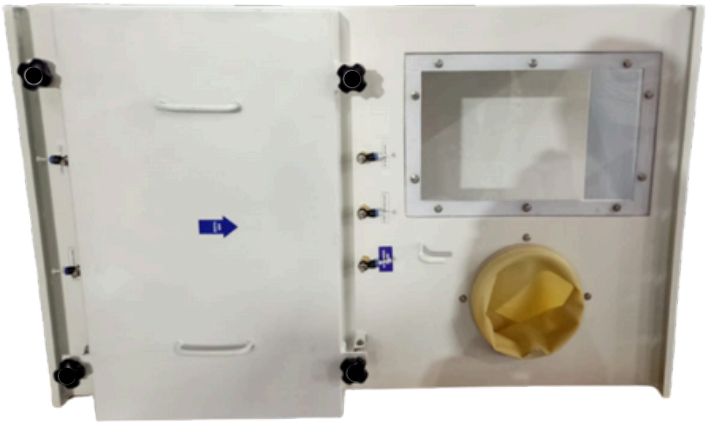


APPLICATIONS

- Cleanrooms (ISO 5 to ISO 8)
- Operation Theatres and ICUs
- Pharmaceutical manufacturing
- Microelectronics and semiconductor production

BIBO (BAG-IN/BAG-OUT) SYSTEM

The Bag-In/Bag-Out (BIBO) System provides a completely contained method for replacing air filters in hazardous environments. Designed for maximum operator safety, it ensures zero exposure to toxic, infectious, or radioactive particles during filter change-out. Ideal for BSL labs, pharmaceutical isolators, and nuclear or chemical handling zones.



KEY FEATURES

- Full-containment design for safe HEPA/ULPA filter replacement
- Constructed with welded stainless steel for long-term durability
- Negative pressure operation to prevent contamination leakage
- Safety interlocks and glove sleeves for secure handling
- Visual pressure gauge and validation ports included
- Compliant with ISO, GMP, and ASHRAE safety guidelines
- Housing MOC is CRCA Powder Coated, SS 306.
- Filter MOC is Alum Anodized, GI Powder Coated, SS-304/316

APPLICATIONS

- Biosafety Laboratories (BSL 3 & 4)
- Vaccine and biopharma manufacturing
- Contaminated exhaust air treatment
- Nuclear facilities and hazardous waste zones

CONTACT US

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