



General Filter Selection

2026 Edition

MayAir Filtration Technology

MayAir filters are high-performance air filtration solutions designed to deliver superior air quality across industrial, commercial, and cleanroom environments. Engineered with advanced filter media and strict quality control, MayAir filters provide reliable particle capture efficiency, long service life, and energy-efficient airflow.





ABOUT MAYAIR

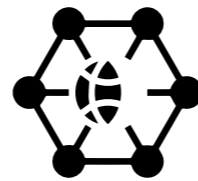
MayAir Group, a global leading manufacturer, developer and service provider of air purification equipment and clean air solutions, was established since 2001. The company specializes in air filtration research and development, design and construction, production, distribution, installation and service maintenance of clean air solutions for industrial, commercial and residential sectors.

Historically, the group's core business has been focused in providing HVAC filters, Fan Filter Units (FFUs) and air filtering equipment for the uses in industrial cleanrooms, making it one of the global leading providers in this field. With a team of a few hundreds world-class engineers, MayAir has established as one of the pioneers in air filtration product manufacturing, operating multiple manufacturing plants across the globe. With strong foundations and successful achievements in the air filtration industry across Asia, the company is rapidly expanding into the United States, Europe, Middle East, and other parts of the world.

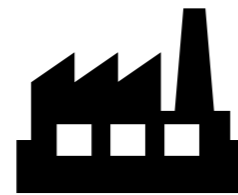
With over 20 years of experience and continuous breakthroughs, MayAir has proven itself as a highly reliable air filtration company and developer of effective air filtration equipment and clean air solutions. It possesses the capability to offer a full spectrum of clean air solutions to various business segments, particularly in cleanrooms for the semiconductor, pharmaceutical, data centre, power plant, electrical and electronic and biomedical industries, and others.



COMPANY
EMPLOYEES
900+



SALES
OFFICES
30+



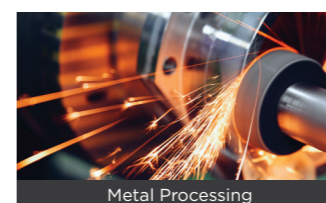
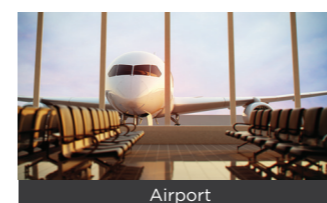
MANUFACTURING
BASES
13



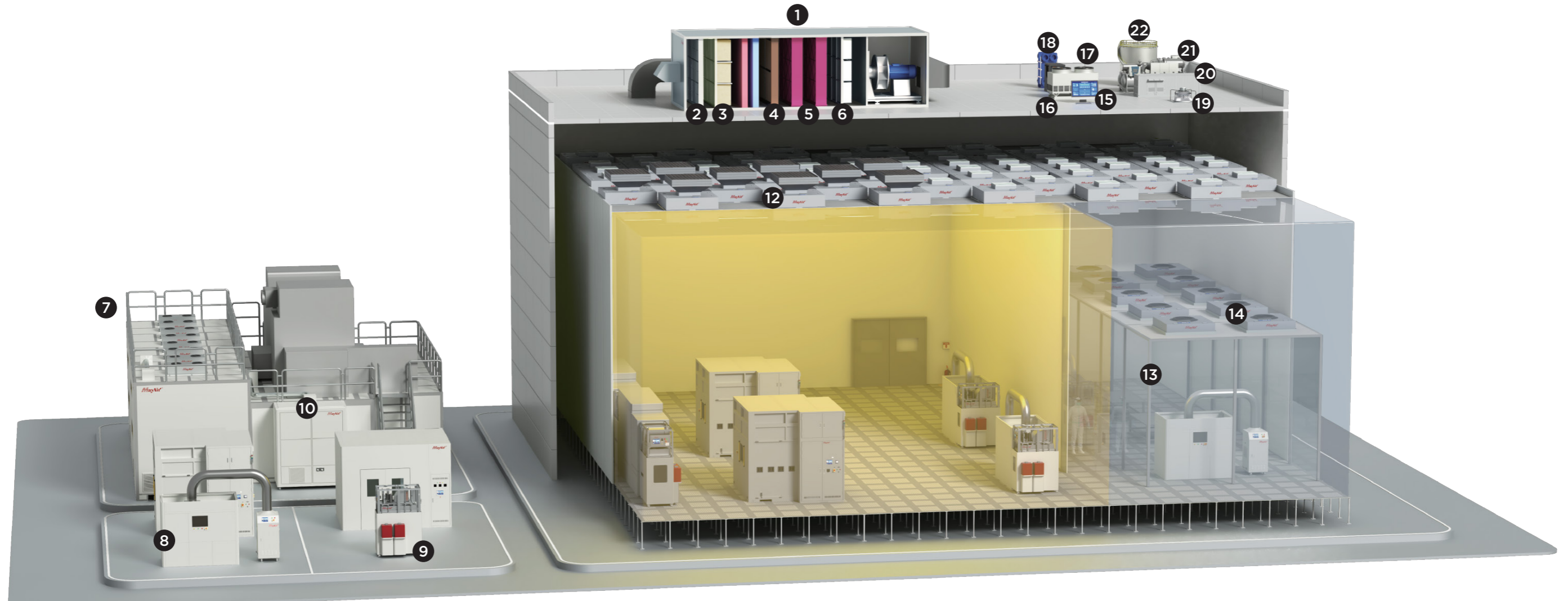
R&D
CENTERS
4

DIVERSIFIED PRODUCT RANGES & COMPREHENSIVE SOLUTIONS

APPLICATIONS



CLEAN AIR SOLUTIONS FOR THE ELECTRONICS & SEMICONDUCTOR INDUSTRY



1

Air Handling Unit (AHU)

1 Includes

2

Primary Filter

3

Secondary Filter

4

Vertical Wet-Media Humidifier

5

Chemical Filter

6

HEPA / ULPA Filter

7

Large Walk-in Temperature and Humidity Control Chamber (THCC)

8

TCU

9

TCU2

10

Temperature Control Chamber (TCC)

11

Walk-in Temperature and Humidity Control Chamber (THCC)

12

Chemical Filter + FFU + HEPA Filter

13

Clean Booth

13 Includes

14

EFU / FFU

15

High-Efficiency Intelligent Control System

16

High-Efficiency Cooling Tower System

17

Variable Frequency Technology

18

Heat Recovery and Free Cooling System

19

High-Efficiency EC Fan

20

Energy Storage System

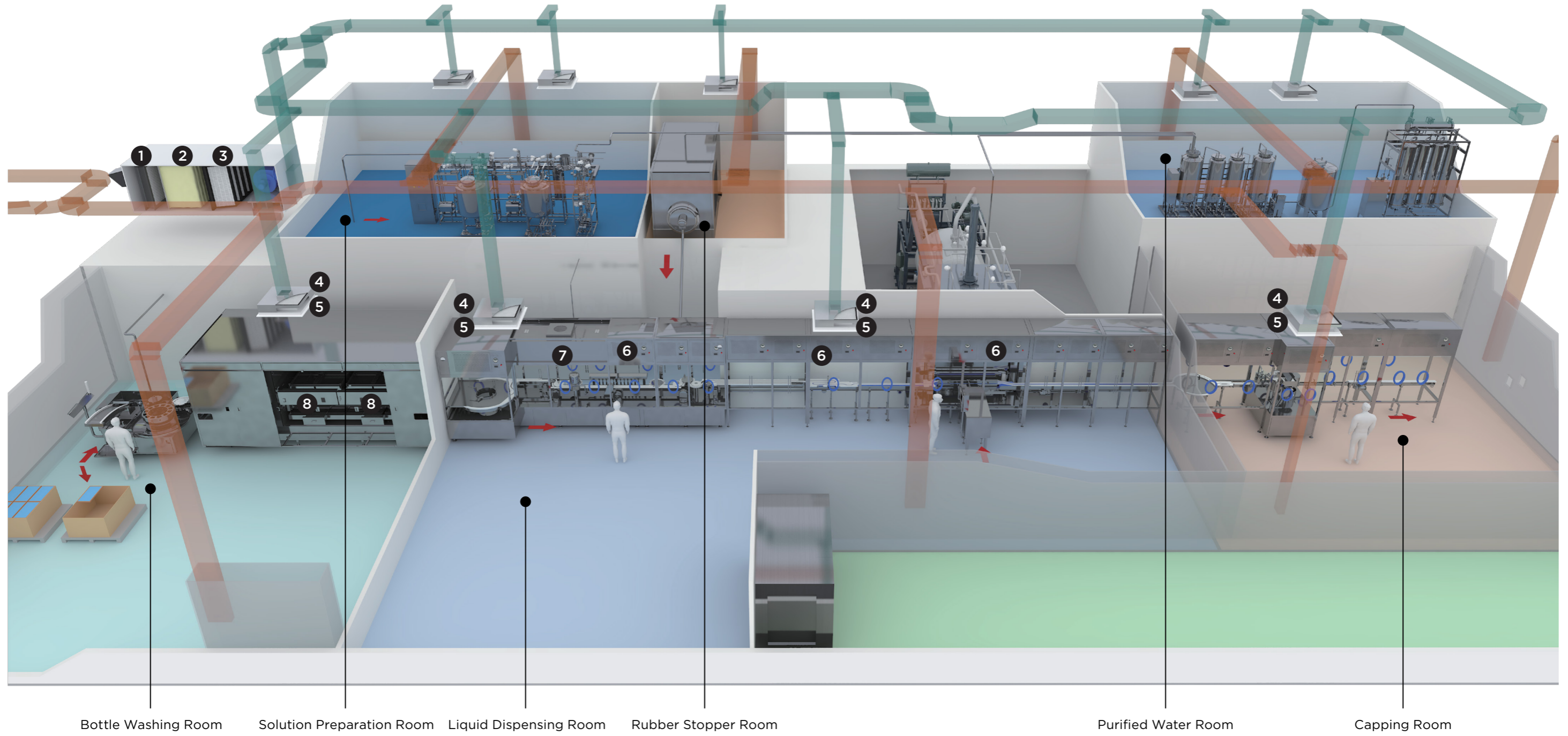
21

Main Unit Energy Efficiency Optimization

22

Thermal Energy Storage System (Cooling)

CLEAN AIR SOLUTIONS FOR THE PHARMACEUTICAL INDUSTRY



- 1



Primary Filter
- 2



Secondary Filter
- 3



V-Shaped Filter
- 4



HEPA Mini-Pleated Filter
- 5



HEPA Box
- 6



Laminar Flow Hood
- 7

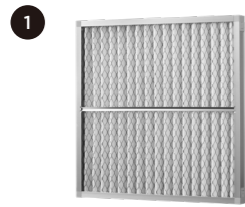
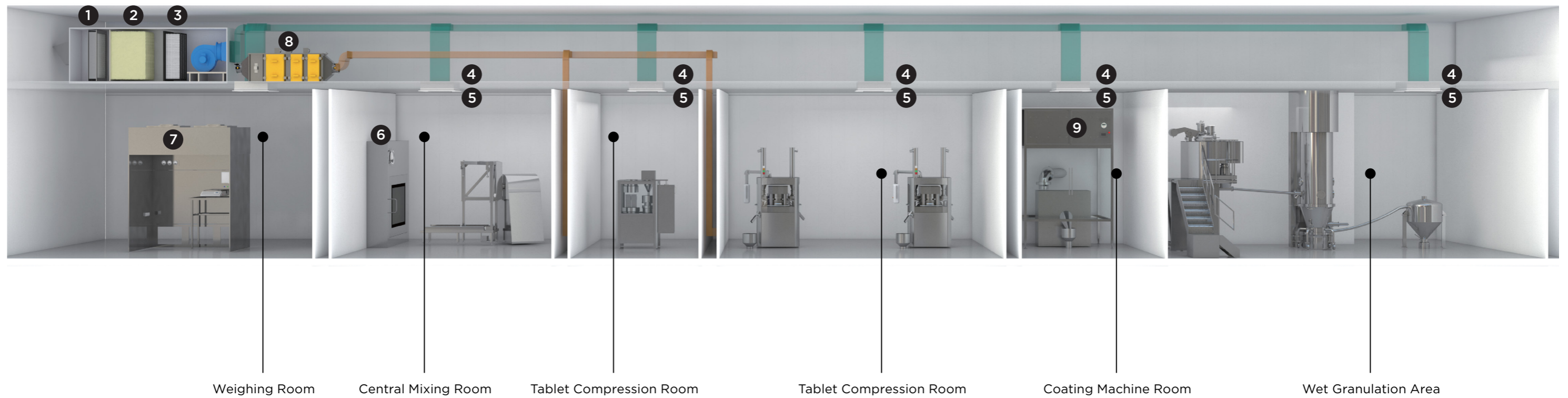


Fan Filter Unit
- 8



High-Temperature Resistant HEPA Filter

CLEAN AIR SOLUTIONS FOR THE PHARMACEUTICAL INDUSTRY



Primary Filter



Secondary Filter



V-Shaped Filter



HEPA Mini-Pleated Filter



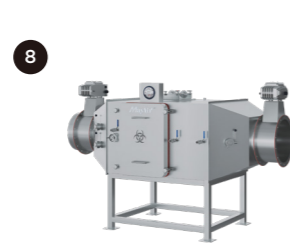
HEPA Box



Pass Box



Weighing Hood

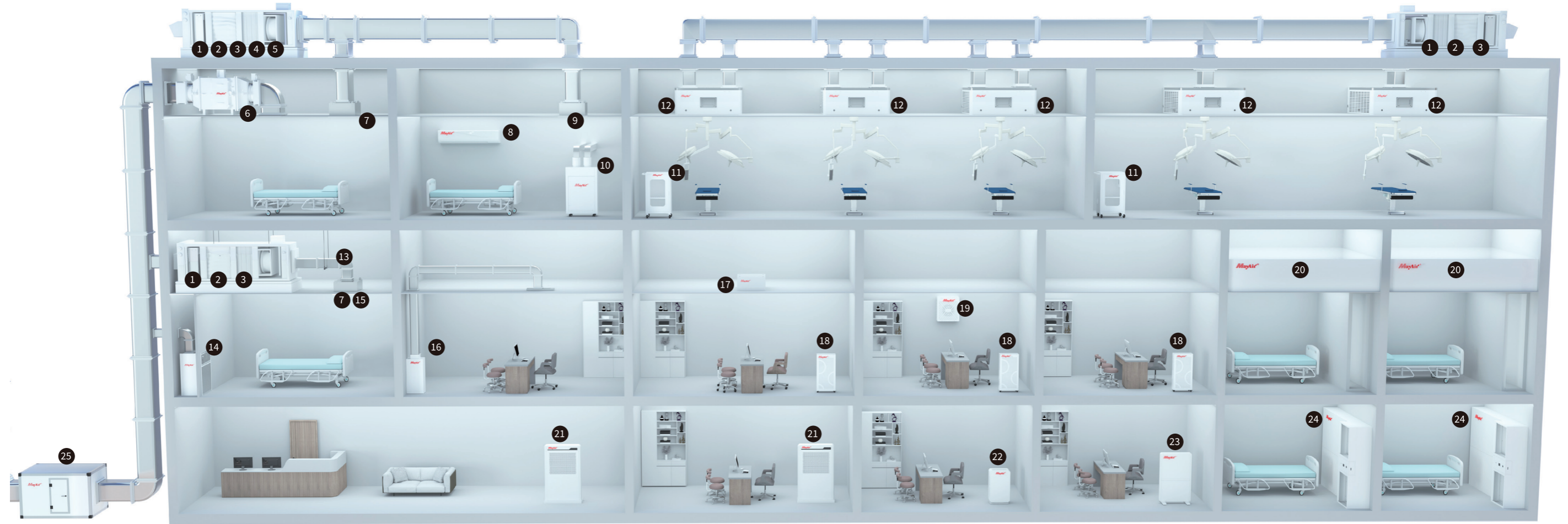


BIBO (Bag-In-Bag-Out) Protective System



Laminar Flow Hood

CLEAN AIR SOLUTIONS FOR THE HOSPITAL



Primary Filter



Secondary Filter



Semi Hepa Filter



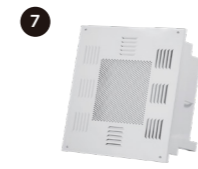
HEPA Filter



Electrostatic Filter
AC Series



BIBO (Bag-In-Bag-Out)
Protective System



HEPA Box



B-800
Air Disinfection Machine



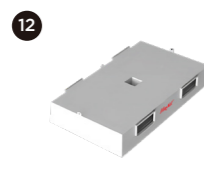
Electrostatic Filter
FC-SE



Indoor Exhaust Air
Purification Unit (EHU)



Case Cart



Operating Room Laminar
Airflow Delivery System



M-NML
Air Duct Type
(FP Series)



Bio-Safety Efficient
Exhaust Hood Unit
(BEHU)



HEPA
Mini-Plated Air Filter



Top Supply /
Bottom Return
Airflow Unit



D-Breath 4.1
Germicidal Air Purifier
(Mechanical Type)



Y-1000
Air Purifier
(D-EDGE)



B-500 Plasma
Disinfection Machine



Clean Air Vertical
Supply System
For Sterile Wards



D-Breath 5
Germicidal Air Purifier



Y-Type Air
Disinfection Machine



UCP Ultra Clean Panel

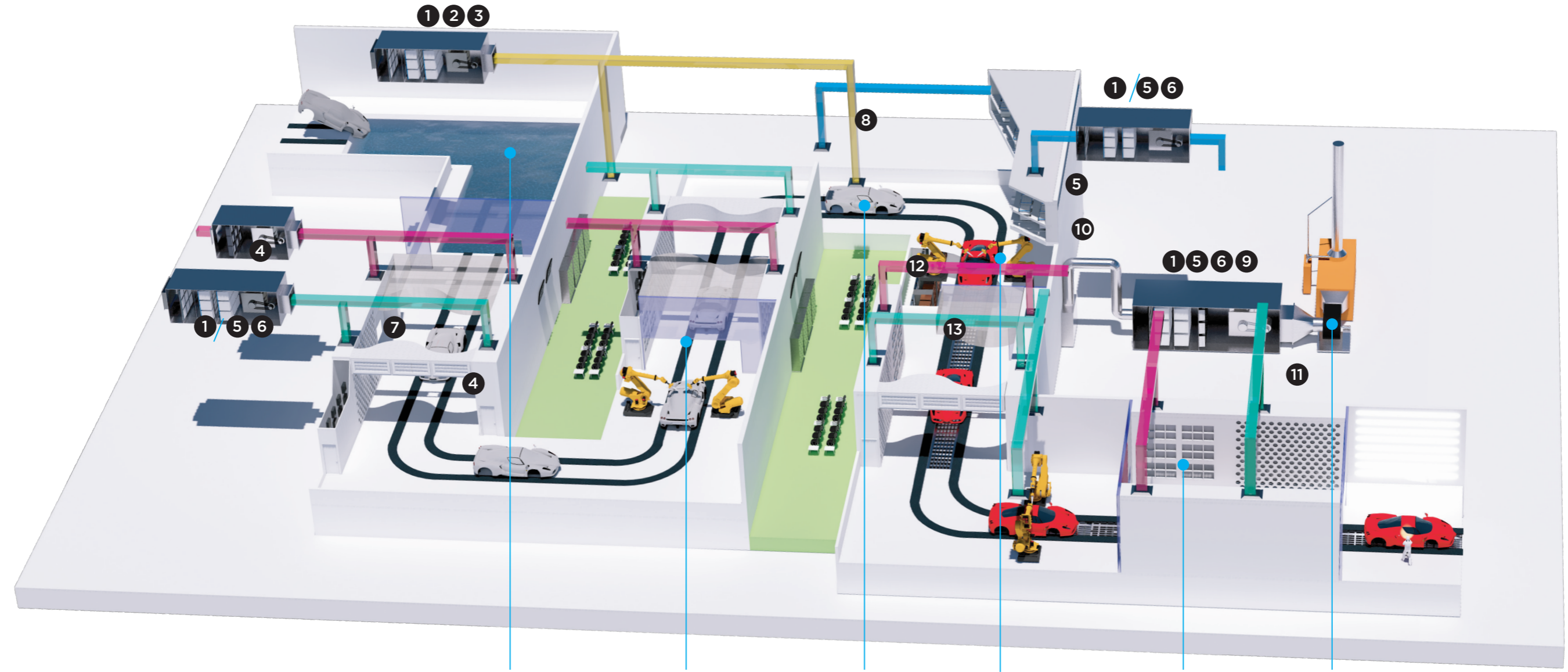


Clean Air Horizontal Supply
System For Sterile Wards




Exhaust Filtration Unit
EFB

CLEAN AIR SOLUTIONS FOR THE AUTOMOTIVE PAINT




E-coating stage Sealing stage (Intermediate Coating Stage) Topcoat Stage (Basecoat, Clearcoat) Waxing Stage Exhaust Gas Treatment


- 1




Primary Filter
- 2




Synthetic Fiber Pocket Filter
- 3



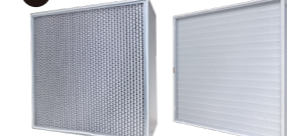
Glass Fiber Pocket Filter
- 4




High-Temperature Resistant Separator Air Filter
- 5 6




High Dust Holding Capacity Pocket Filter
- 7




High-Temperature Resistant Separator / Mini-Pleated Air Filter
- 8




Compact Secondary Pleated Filter
- 9




V-Shaped Filter
- 10





M-Ceiling
- 11




Metal Mesh Filter
- 12



Honeycomb Paint Mist Collector
- 

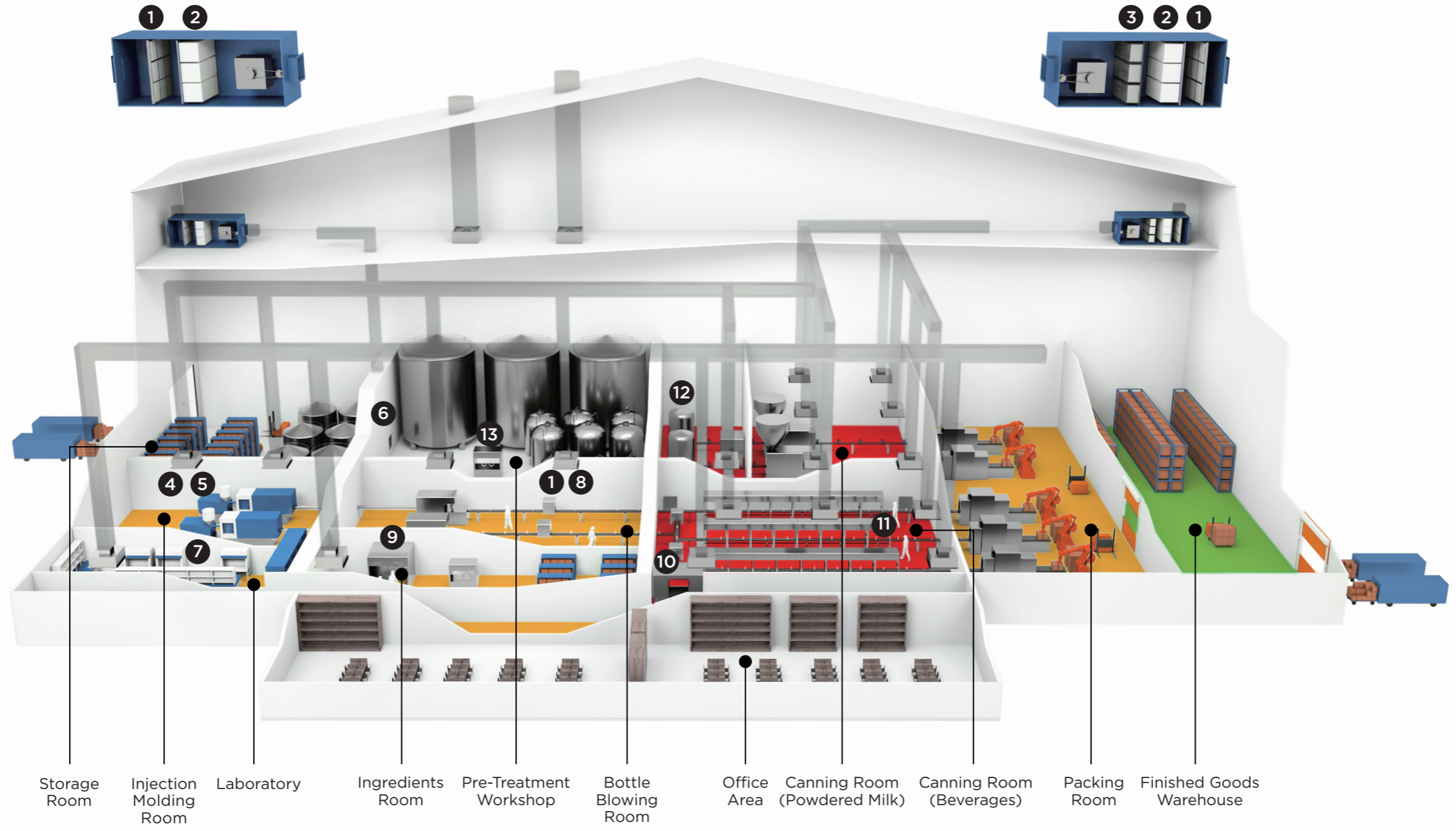
Labyrinth Paint Mist Separator
- 

Dry Dust Removal Plate
- 13

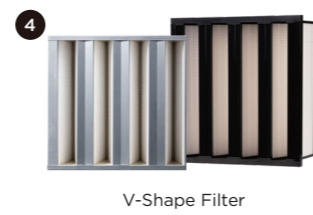
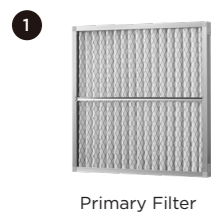
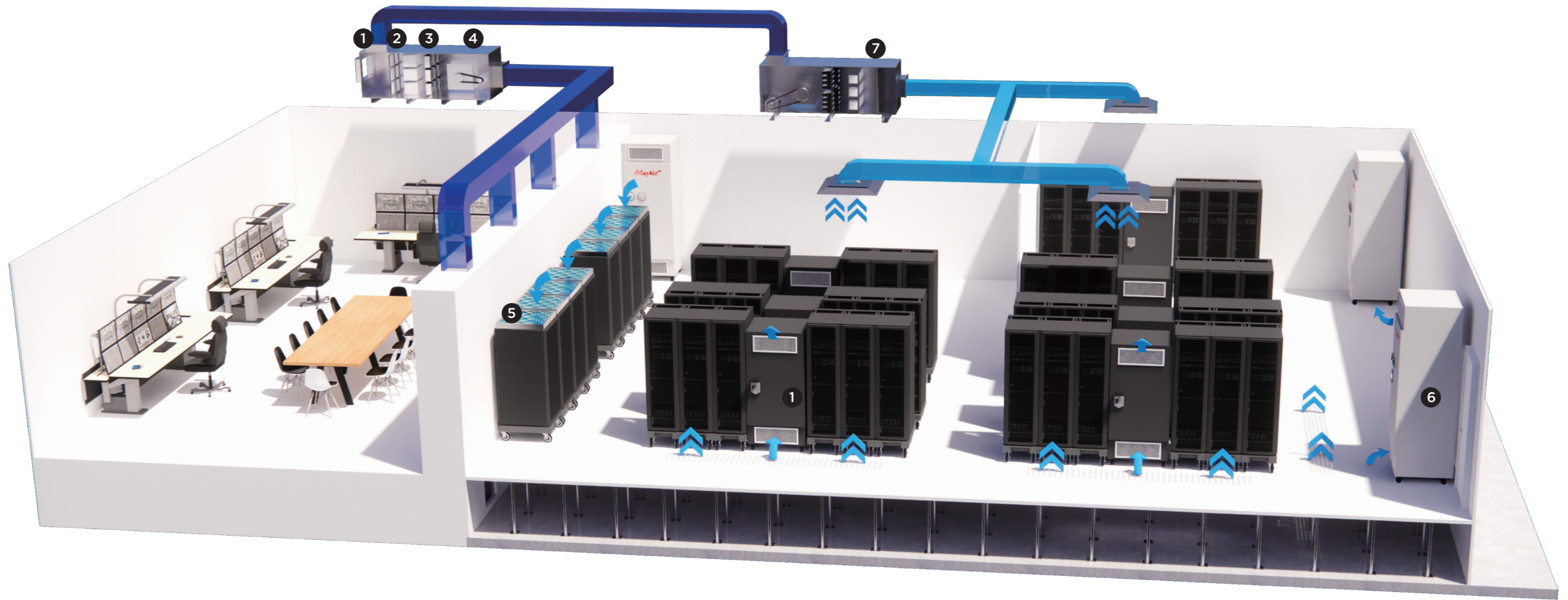


Fiberglass Floor Cotton

CLEAN AIR SOLUTIONS FOR THE FOOD AND BEVERAGE INDUSTRY



CLEAN AIR SOLUTIONS FOR THE DATA CENTERS



6 Includes

Primary Filter MM12 Modular Packed Filter Secondary Filter

7

Chemical Filtration Equipment
(With The Following Filter Components Inside)

7 Includes (or Relationship)

Cylindrical Packed Filter MM12 Modular Packed Filter MM18 Modular Packed Filter Puro-T

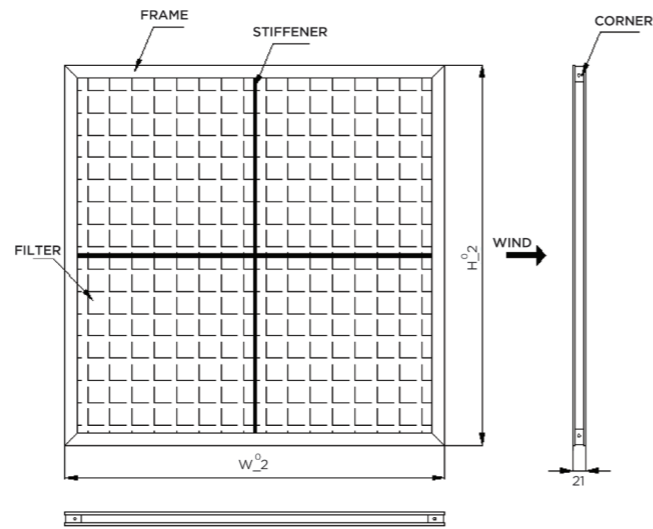
M-NYLON NYLON MESH FILTER



APPLICATIONS

The nylon mesh filter features a lightweight plate structure, providing durability, extended lifespan, and excellent strength. Low initial resistance and superior dustproof performance ensure effective and efficient filtration. Its simple design allows for easy cleaning and multiple reuses, making it a cost-effective choice. User-friendly and safe to handle, it can be effortlessly replaced by the user, offering simplicity and convenience. This filter is commonly utilized in primary filtration systems for central air conditioners due to its economical and practical nature.

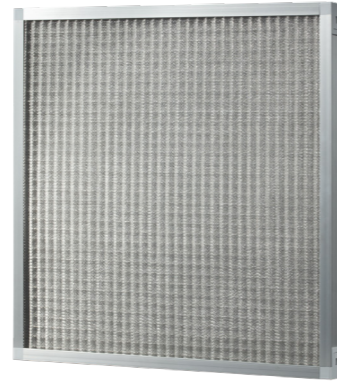
SCHEMATIC DIAGRAM



Nylon Mesh Product Specifications (Max Temp 80°C/176°F)			
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Airflow (m³/h)	Initial Pressure Drop (Pa)
12 x 24 x 1	290 x 594 x 21	1,700	28
20 x 24 x 1	490 x 594 x 21	2,800	28
24 x 24 x 1	594 x 594 x 21	3,400	28

List of Materials	
Frame	Aluminium
Filter Depth	21mm
Width x Height (W x H)	594mm x 594mm x 21mm
Border Material	Aluminium
Nylon Mesh Layers	2
Stiffener	Galvanized wire
Corner	Aluminium

M-NET METAL MESH FILTER



PRODUCT FEATURES

- Removable frame design
- The frame is constructed with aluminum alloy
- Aluminum mesh is washable, ensuring a long lifespan
- High-strength aluminum alloy mesh is utilized
- Low pressure drop

APPLICATIONS

- Pre-filtration for HVAC systems in commercial buildings
- Primary filtration for industrial ventilation systems
- Ventilation systems requiring resistance to acids, alkalis, and high temperatures
- Wax spray booth filtration in automotive assembly workshops
- Oil and grease separators, range hoods
- Used in combination with electrostatic filters

PRODUCT STRUCTURE DESCRIPTION

- Multi-layer expanded aluminum or stainless steel mesh construction
- Low pressure drop, long service life, and washable for repeated use with high cost efficiency
- All-aluminum or stainless steel filter media ensures safety, durability, and resistance to high temperatures, acids, and alkalis

List of Materials	
Frame	Aluminium alloy / Galvanized / Stainless steel
Filter Depth	10mm / 21mm / 23mm / 46mm / 96mm
Filter Material	High-strength aluminium mesh / Stainless steel mesh
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Standard configuration not available, can be added upon customer request

Applicable Conditions	
Maximum temperature	93°C (200°F)

NAME SPECIFICATION

MF - 01 - □□□ - □□ - □



Product Specifications			
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Airflow (m³/h)	Rated Initial Pressure Drop (Pa)
12 x 24 x 1	289 x 594 x 23	1,700	20
24 x 24 x 1	594 x 594 x 23	3,400	20
12 x 24 x 2	289 x 594 x 46	1,700	40
24 x 24 x 2	594 x 594 x 46	3,400	40

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

M-DP DISPOSABLE PANEL FILTER



PRODUCT FEATURES

- Excellent performance with a robust structure and uniform pleat design. High-quality fluffy synthetic media ensures high dust holding capacity and versatile performance.
- M-DP extended pleat panel filter features an integrated die-cut construction with uniform pleats and a double-layer moisture-resistant, high-temperature-resistant cardboard frame, offering a compact, lightweight design for easy handling.

APPLICATIONS

- Pre-filtration for HVAC systems to prevent internal dust accumulation and contamination.
- Pre-filtration for large air compressors.
- Pre- and return air filtration in cleanroom HVAC systems to extend the service life of downstream HEPA filters.
- Ventilation systems in general industrial facilities to meet basic air cleanliness requirements.
- Coarse dust filtration for HVAC systems in commercial buildings.

EFFICIENCY

- G4, MERV7-8

PRODUCT STRUCTURE DESCRIPTION

- M-DP features a simple yet robust structure, with double-layer die-cut cardboard combined with filter media to form an integrated construction; the cardboard is moisture- and high-temperature-resistant, and all bonding points are tightly sealed with the media, enhancing structural strength while maintaining pleat integrity and uniform spacing.
- M-DP filter media is a special blend of nonwoven and synthetic fibers, offering a fluffy structure with high dust holding capacity and low initial resistance; the media is bonded with an expanded metal mesh and processed into uniform-height, evenly spaced pleats, allowing balanced airflow and uniform dust loading across the entire surface, while the mesh reinforcement improves pleat strength, reduces vibration during operation, and minimizes secondary contamination.
- M-DP is available in three performance grades based on pleat density: DP30, DP20, and DP10.

Technical Parameters							
Performance Code	Performance Level	Rated Initial Pressure Drop					
		300FPM / 1.52m/s		500FPM / 2.54m/s		625FPM / 3.18m/s	
		Inch of Water	Pa	Inch of Water	Pa	Inch of Water	Pa
DP30 2" 4"	Excellent	0.12	31	0.29	72	0.39	98
		0.11	29	0.24	61	0.35	88
DP20 2" 4"	Standard	0.14	35	0.30	77	0.45	113
		0.12	33	0.26	65	0.37	93
DP10 2" 4"	Economic	0.15	38	0.32	80	0.47	117
		0.14	35	0.27	68	0.38	96

Note: Initial pressure drop performance tolerance is ±10%

List of Materials	
Frame	Moisture-resistant cardboards
Filter Depth	22mm / 44mm / 95mm
Filter Material	Non-woven synthetic fiber with metal wire mesh

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

AR - 01 - □□□ - □□ - □□□□ - □

- 1 Filter material: 01-Synthetic fiber
- 2 Number of folds: 100E, 200E, 300E
- 3 Efficiency: G4, MERV 7-8
- 4 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 5 Manufacturer: MayAir
- 6 Type: Disposable panel filter

Product Specifications										
Nominal Dimensions W x H x D (Inch)	Actual Dimensios W x H x D (mm)	Airflow (m ³ /h)			DP30		DP20		DP10	
					Pleat Count (Pleats)	Media Area (m ²)	Pleat Count (Pleats)	Media Area (m ²)	Pleat Count (Pleats)	Media Area (m ²)
12 x 24 x 1	289 x 594 x 22	1,020	1,700	—	14	0.37	—	—	—	—
24 x 24 x 1	594 x 594 x 22	2,040	3,400	—	28	0.74	—	—	—	—
12 x 24 x 2	289 x 594 x 44	1,020	1,700	2,125	14	0.73	11	0.58	7	0.37
16 x 20 x 2	392 x 492 x 44	1,050	1,730	2,200	18	0.78	14	0.61	10	0.44
16 x 24 x 2	390 x 594 x 44	1,270	2,090	2,660	18	0.95	14	0.74	10	0.53
20 x 20 x 2	492 x 492 x 44	1,445	2,380	2,980	23	1.01	17	0.74	12	0.52
20 x 24 x 2	492 x 594 x 44	1,700	2,800	3,570	23	1.21	17	0.89	12	0.63
24 x 24 x 2	594 x 594 x 44	2,040	3,400	4,250	28	1.47	22	1.15	15	0.79
12 x 24 x 4	289 x 594 x 95	1,020	1,700	2,125	10	1.13	8	0.91	7	0.79
18 x 20 x 4	441 x 492 x 95	1,150	1,900	2,400	19	1.77	14	1.31	10	0.93
20 x 24 x 4	492 x 594 x 95	1,700	2,800	3,570	23	2.59	17	1.91	12	1.35
24 x 24 x 4	594 x 594 x 95	2,040	3,400	4,250	21	2.37	18	2.03	15	1.70
25 x 25 x 4	620 x 620 x 95	2,100	3,460	4,400	22	2.59	19	2.24	16	1.89

Remark:
1. Special sizes available upon request, recommended final pressure drop value 250Pa.
2. Tolerance: (-2mm, +5mm).

M-WASH WASHABLE PANEL FILTER



PRODUCT FEATURES

- Removable frame design
- High-quality filter material, washable (recommended to clean 2-3 times)
- High dust holding capacity
- M-WASH panel reinforced ribbed pre-filter adopts a lightweight panel structure, high-quality polyester synthetic fibers, high dust holding capacity, good fire resistance

APPLICATIONS

- Pre-filtration for HVAC systems to prevent internal dust accumulation and contamination
- Pre-filtration for large air compressors
- Pre- and return air filtration in cleanroom HVAC systems to extend the service life of downstream HEPA filters
- Pre-filtration for ventilation systems in general industrial facilities to meet basic air cleanliness requirements
- Pre-filtration for HVAC systems in commercial buildings
- Pre-filtration for HVAC systems in rail transit and public infrastructure

EFFICIENCY

- G2, G3, G4, M5

PRODUCT STRUCTURE DESCRIPTION

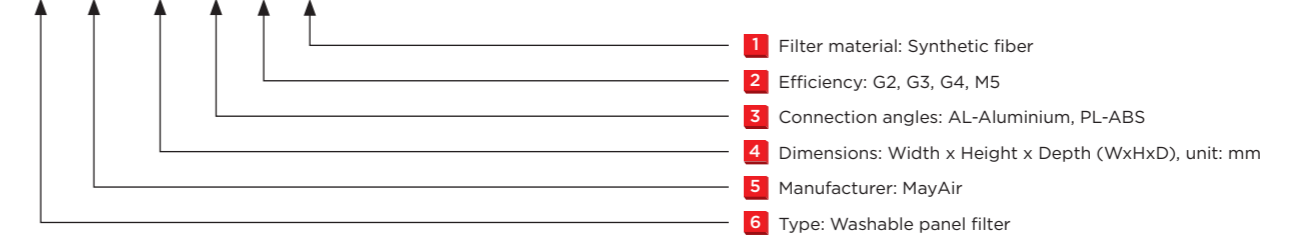
- Panel-type aluminum alloy frame with optional ABS or aluminum corners ensures a stable structure; removable frame design allows easy media replacement for repeated use
- Reinforced support grid enhances overall structural strength
- High-quality polyester synthetic media is washable and reusable; progressive density fiber structure ensures high dust holding capacity and extended service life

List of Materials	
Frame	Aluminium / Stainless steel / Galvanized steel sheet (GI)
Filter Depth	10mm / 21mm / 23mm / 46mm / 96mm
Filter Material	High-quality polyester synthetic fiber
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Galvanized / Powder-coated steel wire

Applicable Conditions	
Maximum Temperature	93°C (200°F)

NAME SPECIFICATION

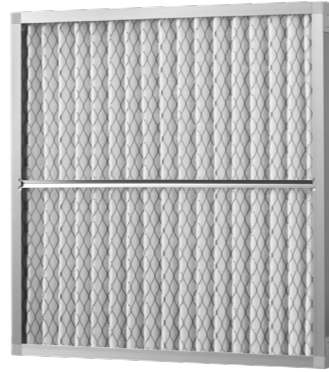
WF - 01 - □□□ - □ - □□ - □



Product Specifications							
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Efficiency (EN 779)	Rated Airflow (m ³ /h)	Initial Pressure Drop at Different Airflows (Pa)			Recommended Final Pressure Drop (Pa)
				70%	100%	140%	
12 x 24 x 2	289 x 594 x 46	G2	1,700	45	70	100	Initial pressure drop 2 to 2.5 times
20 x 24 x 2	492 x 594 x 46	G2	2,800	45	70	100	
24 x 24 x 2	594 x 594 x 46	G2	3,400	45	70	100	
12 x 24 x 2	289 x 594 x 46	G3	1,700	65	95	135	
20 x 24 x 2	492 x 594 x 46	G3	2,800	65	95	135	
24 x 24 x 2	594 x 594 x 46	G3	3,400	65	95	135	
12 x 24 x 2	289 x 594 x 46	G4	1,700	85	130	175	
20 x 24 x 2	492 x 594 x 46	G4	2,800	85	130	175	
24 x 24 x 2	594 x 594 x 46	G4	3,400	85	130	175	
12 x 24 x 2	289 x 594 x 46	M5	1,700	100	140	205	
20 x 24 x 2	492 x 594 x 46	M5	2,800	100	140	205	
24 x 24 x 2	594 x 594 x 46	M5	3,400	100	140	205	

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

M-MNF WASHABLE PANEL FILTER (WIRE MESH)



PRODUCT FEATURES

- High dust holding capacity
- Low pressure drop
- Lightweight panel-type pre-filter with protective mesh, using high-quality polyester synthetic media for low initial pressure drop

APPLICATIONS

- Pre-filtration for HVAC systems to prevent internal dust accumulation and contamination
- Pre-filtration for large air compressors
- Pre- and return air filtration in cleanroom HVAC systems to extend the service life of downstream HEPA filters
- Pre-filtration for ventilation systems in general industrial facilities to meet basic air cleanliness requirements

EFFICIENCY

- G3, G4

PRODUCT STRUCTURE DESCRIPTION

- Panel-type aluminum alloy frame with optional ABS or aluminum corners ensures a stable structure, while polyester synthetic media with protective mesh provides low pressure drop and high dust holding capacity

List of Materials	
Frame	Aluminium
Filter Depth	46mm / 96mm
Filter Material	High-quality polyester synthetic fiber with support mesh
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Galvanized steel

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

WF - 01 - □□□ - □ - □□ - □

- 1 Filter material: Meshed synthetic fiber
- 2 Efficiency: G3, G4
- 3 Connection angles: AL-Aluminium, PL-ABS
- 4 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 5 Manufacturer: MayAir
- 6 Type: Washable panel filter (wire mesh)

Product Specifications							
Nominal Dimensions W x H x D (inch)	Actual Dimensions W x H x D (mm)	Efficiency (EN 779)	Airflow (m³/h)	Initial Pressure Drop at Different Airflows (Pa)			Recommended Final Pressure Drop (Pa)
				70%	100%	140%	
12 x 24 x 2	289 x 594 x 46	G3	1,700	35	55	70	Initial pressure drop 2 to 2.5 times
20 x 24 x 2	492 x 594 x 46	G3	2,800	35	55	70	
24 x 24 x 2	594 x 594 x 46	G3	3,400	35	55	70	
12 x 24 x 2	292 x 594 x 46	G4	1,700	40	60	75	
20 x 24 x 2	492 x 594 x 46	G4	2,800	40	60	75	
24 x 24 x 2	594 x 594 x 46	G4	3,400	40	60	75	

- Remark:
1. Initial pressure drop performance tolerance is ±10%
 2. Special dimensions available upon request

M-EPACK POCKET FILTER



PRODUCT FEATURES

- Robust all-metal frame construction
- Low-resistance structural design effectively reduces pressure drop
- Fluffy multi-component media balances high dust holding capacity and filtration efficiency, offering excellent cost performance

APPLICATIONS

- Filtration for HVAC and ventilation systems to reduce dust accumulation within the system
- Filtration for large air compressors
- Central HVAC systems in cleanrooms and return air filtration
- Ventilation systems in general industrial facilities
- Air filtration in commercial building HVAC systems

EFFICIENCY

- M5, M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION

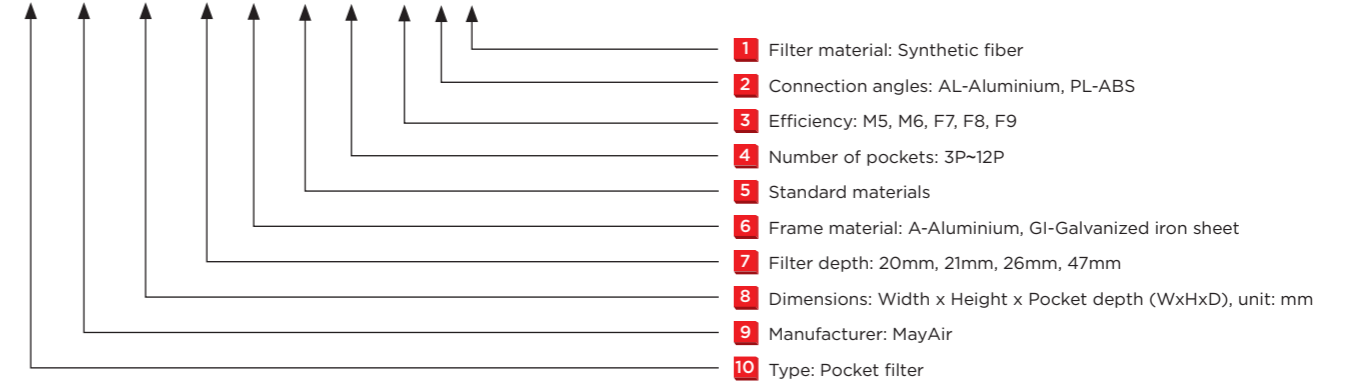
- The reinforcement ribs are designed with riveting, which effectively reduces resistance

List of Materials	
Frame	Double-layer U-shaped aluminium / Stainless steel / Galvanized iron sheet (GI)
Filter Depth	20mm / 21mm / 26mm / 47mm
Filter Material	Synthetic fiber
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Galvanized steel strip

Applicable Conditions	
Maximum Temperature	60°C (140°F)

NAME SPECIFICATION

BF - 01 - □□□ - □□ - □□ - D - □P - □□ - □□



Product Specifications									
Nominal Dimensions W x H x D (inch)	Actual Dimensions WxHxD (mm)	Pocket Quantity (pcs)	Airflow (m ³ /h)	Rated Initial Pressure Drop (Pa)					Recommended Final Pressure Drop (Pa)
				M5	M6	F7	F8	F9	
24 x 24 x 25	592 x 592 x 635	8	3,400	50	55	80	85	110	450
20 x 24 x 25	490 x 592 x 635	6	2,850	50	55	80	85	110	450
20 x 20 x 25	490 x 490 x 635	5	2,300	50	55	80	85	110	450
12 x 24 x 25	287 x 592 x 635	4	1,700	50	55	80	85	110	450
24 x 24 x 15	592 x 592 x 381	8	3,400	65	70	100	115	135	450
20 x 24 x 15	490 x 592 x 381	6	2,850	65	70	100	115	135	450
20 x 20 x 15	490 x 490 x 381	5	2,300	65	70	100	115	135	450
12 x 24 x 15	287 x 592 x 381	4	1,700	65	70	100	115	135	450

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

M-PACK SYNTHETIC FIBER POCKET FILTER



PRODUCT FEATURES

- Sturdy all-metal frame structure
- High dust holding capacity, low pressure drop
- High-quality, fluffy, multi-layer synthetic fiber filter material
- Ultrasonic seamless sealed pocket structure

APPLICATIONS

- Filtration for HVAC and ventilation systems to reduce dust accumulation within the system
- Filtration for large air compressors
- Central HVAC systems in cleanrooms and return air filtration, extending the service life of downstream HEPA filters
- Ventilation systems in general industrial facilities to meet standard air cleanliness requirements
- Air filtration in commercial building HVAC systems

EFFICIENCY

- G3, G4, M5, M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION

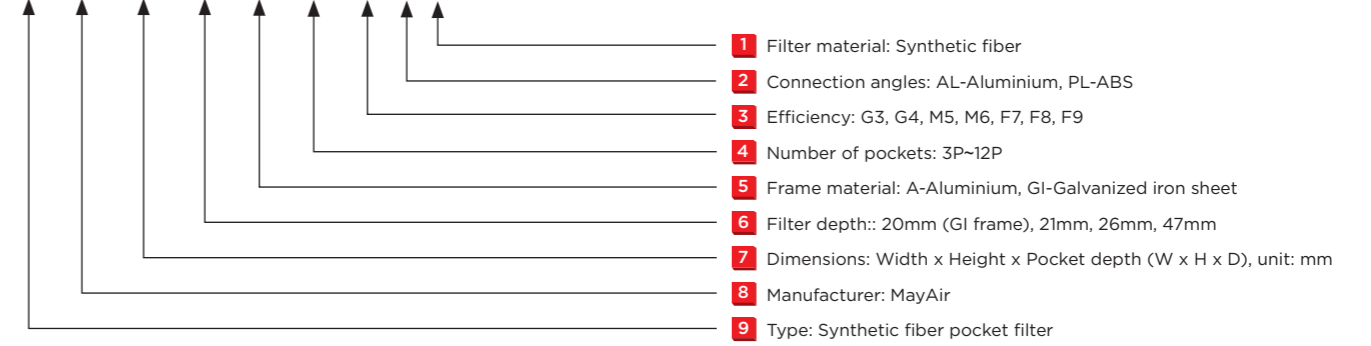
- Robust, leak-resistant construction. Aluminum alloy frame with tightly clamped support grid and cover to prevent pocket detachment during operation
- Pockets made of multi-layer high-quality synthetic fiber media, ultrasonically welded for enhanced sealing integrity and mechanical strength

List of Materials	
Frame	Double-layer U-shaped aluminium / Galvanized iron sheet (GI)
Filter Depth	20mm / 21mm / 26mm / 47mm
Filter Material	Synthetic fiber
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Galvanized steel strip

Applicable Conditions	
Maximum Temperature	60°C (140°F)

NAME SPECIFICATION

BF - 01 - □□□ - □□ - □□ - □P - □□ - □□



Product Specifications														
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Pocket Quantity (pcs)	Media Area (m ²)	Airflow (m ³ /h)	Rated Initial Pressure Drop (Pa)							Recommended Final Pressure Drop (Pa)		
					G3	G4	M5	M6	F7	F8	F9	G3 - G4	M5 - F9	
24 x 24 x 25	594 x 594 x 635	8	6.60	3,400	37	45	55	58	90	95	125	250	450	
20 x 24 x 25	492 x 594 x 635	6	4.94	2,850	37	45	55	58	90	95	125	250	450	
20 x 20 x 25	494 x 494 x 635	5	3.50	2,300	38	47	55	58	90	95	125	250	450	
12 x 24 x 25	289 x 594 x 635	4	3.30	1,700	38	48	55	58	90	95	125	250	450	
24 x 24 x 22	594 x 594 x 550	8	5.68	3,400	40	49	60	65	100	115	135	250	450	
20 x 24 x 22	494 x 594 x 550	6	4.26	2,850	40	49	60	65	100	115	135	250	450	
20 x 20 x 22	492 x 492 x 550	5	3.02	2,300	42	50	60	65	100	115	135	250	450	
12 x 24 x 22	289 x 592 x 550	4	2.84	1,700	42	50	60	65	100	115	135	250	450	
24 x 24 x 15	594 x 594 x 381	8	3.86	3,400	45	58	70	75	110	120	145	250	450	
20 x 24 x 15	492 x 594 x 381	6	2.90	2,850	46	60	70	75	110	120	145	250	450	
20 x 20 x 15	492 x 492 x 381	5	2.06	2,300	46	60	70	75	110	120	145	250	450	
12 x 24 x 15	289 x 594 x 381	4	1.94	1,700	46	60	70	75	110	120	145	250	450	

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

M-PACK-GF GLASS FIBER POCKET FILTER



PRODUCT FEATURES

- Sturdy all-metal frame structure
- Optimized “V”-shaped pocket design for low pressure drop and extended service life
- Melt-blown ultra-fine glass fiber media, delivering stable efficiency throughout the service life

APPLICATIONS

- Medium efficiency filtration for HVAC systems in commercial and industrial applications; pre-filtration for cleanroom HVAC systems
- F7 and F8 grades for medium efficiency air filtration in commercial, industrial and cleanroom applications

List of Materials	
Frame	Double-layer U-shaped aluminium / Galvanized iron sheet (GI)
Filter Depth	20mm / 21mm / 26mm / 47mm
Filter Material	Glass fiber
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Galvanized steel strip

Applicable Conditions	
Maximum Temperature	60°C (140°F)

EFFICIENCY

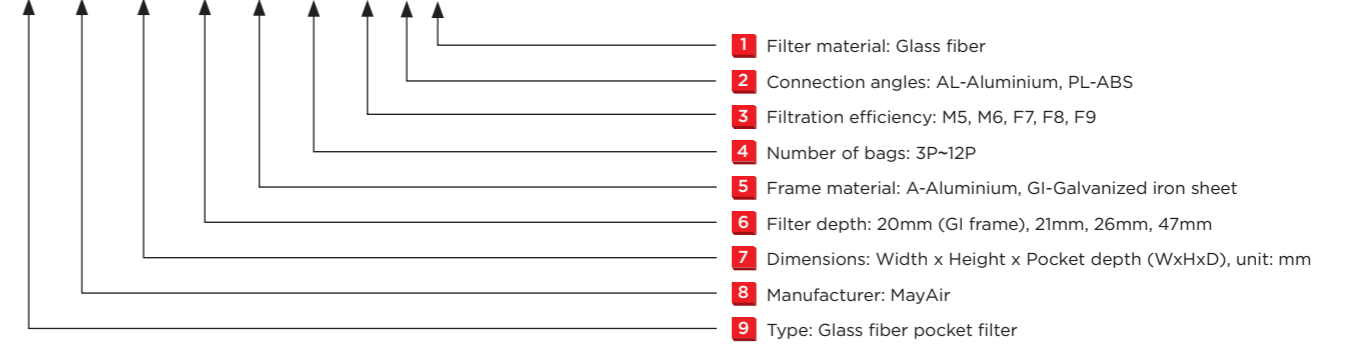
- M5, M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION

- Frame constructed from galvanized steel or extruded aluminum profiles
- Internal support grid in galvanized steel, with individual pocket retainers to secure each pocket and prevent detachment
- Media made of melt-blown ultra-fine glass fiber, designed in a “V”-shaped pocket configuration to maximize effective media area and extend service life

NAME SPECIFICATION

BF - 01 - □□□ - □□ - □□ - □P - □□ - □ - □



Product Specifications											
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Pocket Quantity (pcs)	Media Area (m ²)	Airflow (m ³ /h)	Rated Initial Pressure Drop (Pa)					Recommended Final Pressure Drop (Pa)	
					M5	M6	F7	F8	F9		
24 x 24 x 24	592 x 592 x 600	8	6	3,400	80	95	110	130	150	450	
20 x 24 x 24	490 x 592 x 600	6	4.5	2,800	80	95	110	130	150	450	
12 x 24 x 24	287 x 592 x 600	4	3.1	1,700	80	95	110	130	150	450	
20 x 20 x 24	490 x 490 x 600	6	3.8	2,380	80	95	110	130	150	450	
24 x 24 x 24	592 x 592 x 600	8	6	3,400	80	95	110	130	150	450	
20 x 24 x 24	490 x 592 x 600	6	4.5	2,800	80	95	110	130	150	450	
12 x 24 x 24	287 x 592 x 600	4	3.1	1,700	80	95	110	130	150	450	
20 x 20 x 24	490 x 490 x 600	6	3.8	2,380	80	95	110	130	150	450	
24 x 24 x 24	592 x 592 x 600	8	6	3,400	80	95	110	130	150	450	
20 x 24 x 24	490 x 592 x 600	6	4.5	2,800	80	95	110	130	150	450	
12 x 24 x 24	287 x 592 x 600	4	3.1	1,700	80	95	110	130	150	450	
20 x 20 x 24	490 x 490 x 600	6	3.8	2,380	80	95	110	130	150	450	

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request



M-VPACK PAINT MIST POCKET FILTER

PRODUCT FEATURES

- Gradually progressive synthetic fiber filter material
- Sturdy metal frame structure
- Seamless welding process for pocket filter, ensuring stability
- Ultra-high dust holding capacity, low pressure drop

APPLICATIONS

- Suitable for intake and exhaust filtration in spray booths in the painting industry
- Industrial plant ventilation filtration
- Intake and exhaust filtration for HVAC systems

EFFICIENCY

- G4, M5, M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION

- Progressive high dust holding media provides lower average pressure drop and longer service life, achieving high dust holding capacity with low pressure drop; the media's inherent rigidity offers self-supporting capability, maintaining a clear internal structure even after heavy dust or paint mist loading
- Inner pocket design with reduced spacing follows aerodynamic optimization principles, ensuring a stable filter structure
- Excellent resistance to moisture and chemicals

List of Materials	
Frame	Double-layer U-shaped aluminium / Galvanized iron sheet (GI)
Filter Depth	20mm / 21mm / 26mm / 47mm
Filter Material	Synthetic fiber
Connection Angles	Sturdy ABS / Aluminium
Reinforcement Support	Galvanized steel strip

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

BF - 01 - □□□ - □□ - □□ - □P - □□ - □ - □

- 1 Filter material: O3 PM synthetic fiber filter material
- 2 Connection angles: AL-Aluminium, PL-ABS
- 3 Efficiency: G4, M5, M6, F7, F8, F9
- 4 Number of pockets: 3P~8P
- 5 Frame material: A-Aluminium, GI-Galvanized iron sheet
- 6 Filter Depth: 20mm, 21mm, 26mm, 47mm
- 7 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 8 Manufacturer: MayAir
- 9 Type: Paint mist pocket filter

Product Specifications											
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Pocket Quantity (pcs)	Media Area (m ²)	Airflow (m ³ /h)	Rated Pressure Drop (Pa)						
					G4	M5	M6	F7	F8	F9	
24 x 24 x 24	592 x 592 x 600	8	6.2	3,400	40	45	50	80	95	125	
24 x 24 x 24	592 x 592 x 600	6	4.7	3,400	60	65	70	100	115	145	
12 x 24 x 24	592 x 592 x 600	4	3.1	1,700	40	45	50	80	95	125	
12 x 24 x 24	592 x 592 x 600	3	2.4	1,700	60	65	70	100	115	145	

- Remark:
1. Initial pressure drop performance tolerance is ±10%
 2. Special dimensions available upon request

M-HPACK HIGH-CAPACITY POCKET FILTER



PRODUCT FEATURES

- Long service life with high dust holding capacity; special processing ensures uniform and resilient fiber structure
- Stable filtration efficiency and pressure drop over time
- Robust, leak-proof frame construction with a double-layer U-shaped aluminum alloy frame
- Ultrasonic seamless bonding for enhanced sealing integrity
- High-quality fluffy multi-layer imported synthetic fiber media

EFFICIENCY

- M6-F9

APPLICATIONS

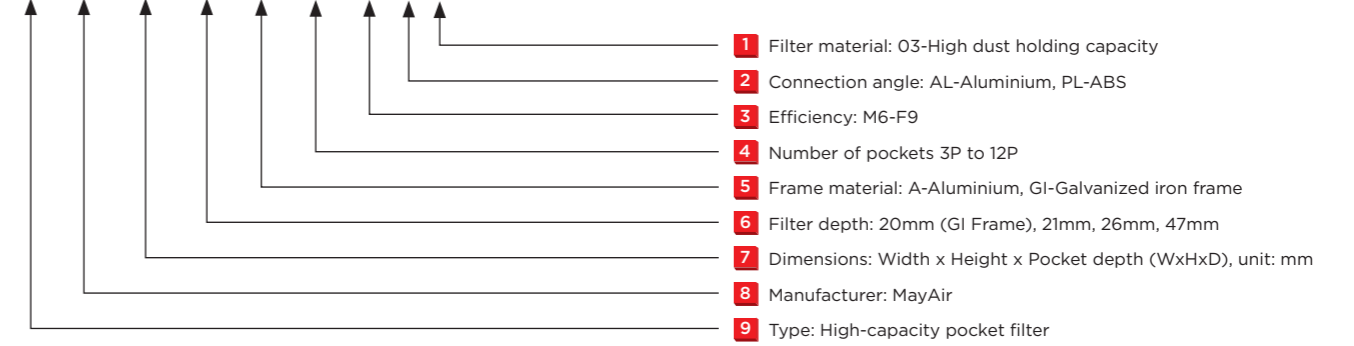
- Medium efficiency filtration for central HVAC systems in commercial applications to prevent internal dust accumulation and contamination
- Filtration for centralized ventilation and return systems in Cleanrooms to extend the lifespan of downstream HEPA filters
- MayAir's "Electric-Bag-in-One" technology and its associated products
- Ventilation system for general industrial plants to meet the basic cleanliness requirements for air quality

List of Materials	
Frame	Double-layer U-shaped aluminium / Galvanized steel sheet (GI)
Filter Depth	20mm / 21mm / 26mm / 47mm
Filter Material	High-quality white polyester synthetic fiber
Connection Angles	Sturdy and high-temperature resistant ABS / Aluminium
Reinforcement Support	Galvanized iron, adjacent reinforcement ribs for special structural locking

Applicable Conditions	
Maximum Temperature	-20~60°C, transitory temperature resistance <100

NAME SPECIFICATION

BF - 01 - □□□ - □□ - □□ - □P - □□ - □ - □



Product Specifications								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Pocket Quantity (pcs)	Media Area (m ²)	Face Velocity (m/s)	Rated Initial pressure drop (Pa)			
					M6	F7	F8	F9
24 x 24 x 25	592 x 592 x 635	8	6.6	2.5	55	70	105	140
20 x 24 x 25	490 x 592 x 635	6	4.94	2.5	55	70	105	140
12 x 24 x 25	287 x 592 x 635	4	3.3	2.5	55	70	105	140
24 x 24 x 22	592 x 592 x 550	8	5.68	2.5	65	80	110	155
20 x 24 x 22	490 x 592 x 550	6	4.26	2.5	65	80	110	155
12 x 24 x 22	287 x 592 x 550	4	2.84	2.5	65	80	110	155
24 x 24 x 15	592 x 592 x 381	8	3.86	2.5	75	85	155	210
20 x 24 x 15	490 x 592 x 381	6	2.9	2.5	75	85	155	210
12 x 24 x 15	287 x 592 x 381	4	1.94	2.5	75	85	155	210

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

NALFAR® PACK NANOFIBER POCKET FILTER



PRODUCT FEATURES

- High-quality nanofiber media
- Optional antibacterial nanofiber media
- Special pocket structure with stitched and riveted construction
- Robust metal frame construction

APPLICATIONS

- High-end office buildings
- Luxury hotels
- Cleanroom air conditioning and ventilation systems

EFFICIENCY

- M5, M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION

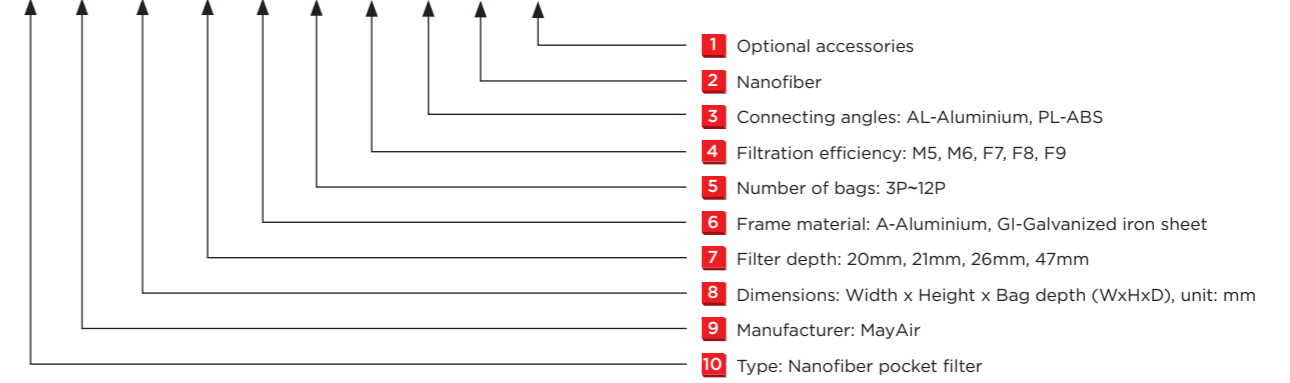
- Stitched and riveted seamless bonding technology; stitching replaces traditional spacer mesh, allowing the pockets to fully expand during operation for smoother airflow and significantly increased effective media area
- Riveted construction reduces the need for conventional cover plates, minimizing airflow obstruction and lowering pressure drop
- High-quality nanofiber composite media; the nanofiber layer ensures stable filtration efficiency throughout the service life

List of Materials	
Frame	Double-layer U-shaped aluminium / Galvanized iron (GI)
Filter Depth	20mm / 21mm / 26mm / 47mm
Filter Material	Nanofiber
Reinforcements Support	Galvanized steel strip
Connecting Angles	Sturdy ABS / Aluminium / None

Applicable Conditions	
Maximum Temperature	60°C (140°F)

NAME SPECIFICATION

BF - 01 - □□□ - □□ - □□ - □□ - □□ - □□ - □□ - □□



Product Specifications									
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Pocket Quantity (pcs)	Airflow (m ³ /h)	Rated Initial Pressure Drop (Pa)					
				M5	M6	F7	F8	F9	
24 x 24 x 25	592 x 592 x 635	8	3,400	55	58	75	110	120	
20 x 24 x 25	490 x 592 x 635	6	2,850	55	58	75	110	120	
20 x 20 x 25	490 x 490 x 635	5	2,300	55	58	75	110	120	
12 x 24 x 25	287 x 592 x 635	4	1,700	55	58	75	110	120	
24 x 24 x 25	592 x 592 x 635	8	3,400	70	75	110	150	170	
20 x 24 x 25	490 x 592 x 635	6	2,850	70	75	110	150	170	
20 x 20 x 25	490 x 490 x 635	5	2,300	70	75	110	150	170	
12 x 24 x 25	287 x 592 x 635	4	1,700	70	75	110	150	170	

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

M-MI MEDIUM EFFICIENCY SECONDARY FILTER WITH SEPERATOR



PRODUCT FEATURES

- Corrugated aluminium. Frame available in non-flanged, single-flanged, or double-flanged configurations, with a 20 mm flange depth
- Ultra-fine glass fiber media
- Separator design ensures high efficiency, low pressure drop, and high dust holding capacity
- Suitable for variable air volume (VAV) systems

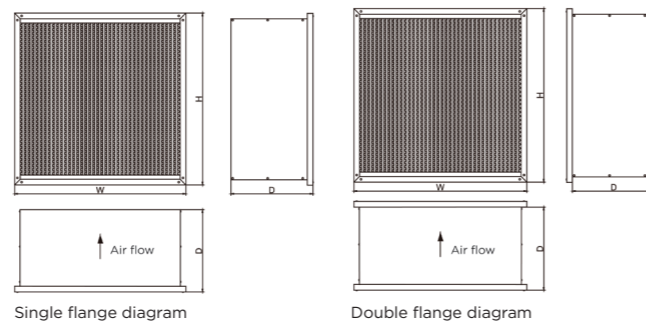
APPLICATIONS

- Medium efficiency filtration for cleanroom and pharmaceutical HVAC applications
- HVAC systems in high-humidity and variable air volume (VAV) environments
- Ventilation systems with high fire safety requirements or elevated operating temperatures
- Local filtration for pharmaceutical equipment, such as ovens at ambient temperature

EFFICIENCY

- M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Galvanized steel sheet / Aluminium / Stainless steel sheet / Aluminium profiles
Filter Depth	80mm / 150mm / 220mm / 292mm
Filter Material	Water-resistant fiberglass
Separator	Corrugated aluminium / Paper
Sealant	Polyurethane

Note: Faceguard available (Material: Powder-coated steel faceguard)

Applicable Conditions	
Maximum Temperature	80°C (180°F)

NAME SPECIFICATION

M1 - 01 - □□ - □□□ - □□ - E□ - □□ - □

- 1 Separator types: Unmarked: Corrugated aluminium Z: Paper, SS: Stainless steel
- 2 Flange types: X-No flange, D1-Single flange, D2-Double flange
- 3 Air-tight gasket: E0-None, E1-Upstream E2-Both sides, E3-Downstream
- 4 Frame material: SS (SUS304)-stainless steel sheet, SG-galvanized steel sheet, AL-Aluminium, A-Aluminium
- 5 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 6 Efficiency: M6, F7, F8, F9
- 7 Manufacturer: MayAir
- 8 Type: Medium efficiency secondary filter with separator

Product Specifications										
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Separator	Flange	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)				Recommended Final Pressure Drop (Pa)
						M6	F7	F8	F9	
12 x 24 x 3	305 x 610 x 80	Corrugated aluminium	None	400	0.6	90	130	140	150	300
24 x 24 x 3	610 x 610 x 80			800	0.6	90	130	140	150	300
12 x 24 x 6	305 x 610 x 150			650	1.2	90	130	140	150	300
24 x 24 x 6	610 x 610 x 150			1,400	1.2	90	130	140	150	300
12 x 24 x 9	305 x 610 x 220			860	1.6	90	130	140	150	300
24 x 24 x 9	610 x 610 x 220			1,860	1.6	90	130	140	150	300
12 x 24 x 12	305 x 610 x 292			1,400	2.5	90	130	140	150	300
24 x 24 x 12	610 x 610 x 292			3,000	2.5	90	130	140	150	300

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

M-MIH MEDIUM EFFICIENCY SECONDARY FILTER WITH SEPERATOR (HIGH TEMPERATURE RESISTANCE)



PRODUCT FEATURES

- Corrugated aluminium Frame available in non-flanged, single-flanged or double-flanged configurations, with a 20 mm flange depth
- Ultra-fine glass fiber media
- High-temperature resistant versions available up to 250°C(482°F)
- Imported sealant ensures stable performance

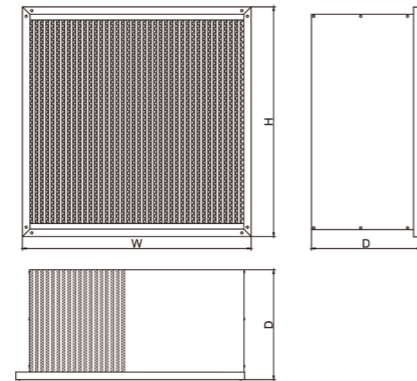
APPLICATIONS

- Used in high-temperature sterilization tunnels and ultra-clean ovens in the pharmaceutical industry
- Suitable for high-temperature air purification systems and equipment
- Applied in high-temperature air purification systems in chemical and food & beverage industries
- Medium efficiency filtration, particularly suitable for paint baking booths in automotive manufacturing
- Suitable for ventilation systems with high fire safety requirements or elevated operating temperatures

EFFICIENCY

- M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION



NAME SPECIFICATION

MIH - □□ - □□□ - □□□ - □□ - E□ - □□ - □ - □ - □

- 1 Temperature type: 250°C, customer-requested temperature
- 2 Design: P-red silicone sealant
- 3 Airflow type: N-Standard airflow
- 4 Flange type: X-Non flange, D1-Single flange, D2-Double flange
- 5 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- 6 Frame material: SS (SUS304)-Stainless steel sheet, S (SUS430)-Stainless steel sheet, SG-Galvanized sheet, AL-Aluminium
- 7 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 8 Efficiency: M6, F7, F8, F9
- 9 01: MayAir brand, 15: MayAir brand for the coating industry
- 10 Type: Medium efficiency secondary filter with separator (high temperature resistance)

Product Specifications: Standard Air Volume

Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Separator	Flange	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)				Recommended Final Pressure Drop (Pa)
						M6	F7	F8	F9	
12 x 24 x 3	305 x 610 x 80	Corrugated aluminium	None	400	0.6	90	130	140	150	300
24 x 24 x 3	610 x 610 x 80			800	0.6	90	130	140	150	300
12 x 24 x 6	305 x 610 x 150			850	1.2	90	130	140	150	300
24 x 24 x 6	610 x 610 x 150			1,700	1.2	90	130	140	150	300
12 x 24 x 9	305 x 610 x 220			1,080	1.6	90	130	140	150	300
24 x 24 x 9	610 x 610 x 220			2,160	1.6	90	130	140	150	300
12 x 24 x 12	305 x 610 x 292			1,700	2.5	90	130	140	150	300
12 x 24 x 12	610 x 610 x 292			3,400	2.5	90	130	140	150	300

Remark:
1. Initial pressure drop performance tolerance is ±10%.
2. Special dimensions available upon request.

List of Materials	
Frame	Galvanized steel / Aluminium / Stainless steel sheet
Filter Depth	80mm / 150mm / 220mm / 292mm
Filter Material	Water-resistant fiberglass
Separator	Corrugated aluminium
Gasket	High-temperature resistant sealing glue
Material of Sealing Gaskets	High-temperature resistant sealing gaskets

Note: High-temperature resistant separator-type filters are available with faceguards (stainless steel / galvanized steel / aluminium)

Applicable Conditions	
Maximum Temperature	250°C (482°F)

M-MII MEDIUM EFFICIENCY MINI-PLEATED AIR FILTER



PRODUCT FEATURES

- Mini-pleated design to reduce operating costs
- Compact design with wide application range, minimizing storage space requirements
- Ultra-thin design to reduce installation space

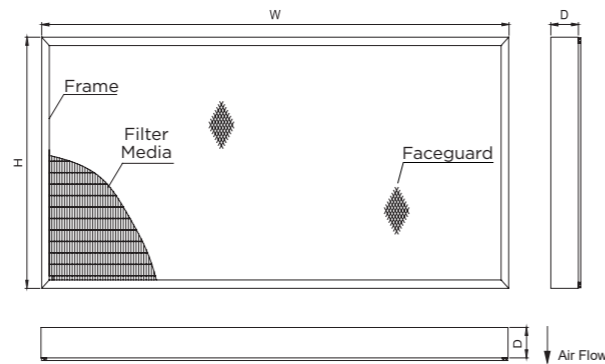
APPLICATIONS

- Medium efficiency filtration for cleanroom applications and HVAC systems in commercial and industrial facilities
- HVAC systems operating in high-humidity environments
- Variable air volume (VAV) HVAC systems
- HVAC systems with limited installation space

EFFICIENCY

- M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Galvanized steel / Aluminium / Stainless steel
Filter Depth	50mm / 70mm / 80mm / 90mm / 95mm / 100mm
Filter Material	Water-resistant fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane / Fiberglass cotton
Faceguard	Powder-coated steel faceguard

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

MII - 01 - □□□ - □□□ - □□ - G□ - E□

- 1 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream (neoprene rubber), EP1-Upstream, EP2-Both sides, EP3-Downstream (Pharmaceutical industry EPDM material)
- 2 Faceguard: G0-None, G1-Downstream, G2-Both sides
- 3 Frame material: SS (SUS304)-Stainless steel sheet, SG-Galvanized steel sheet, AL-Aluminium
- 4 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 5 Efficiency: F7, F8, F9
- 6 Manufacturer: MayAir
- 7 Type: Medium efficiency mini-pleated filter

Product Specifications									
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Faceguard	Airflow (m³/h)	Face Velocity (m/s)	Rated Pressure Drop (Pa)				Recommended Final Pressure Drop (Pa)
					M6	F7	F8	F9	
24 x 12 x 2	610 x 305 x 50	Both Sides	350	0.6	90	110	122	145	300
24 x 24 x 2	610 x 610 x 50		700	0.6	90	110	122	145	300
24 x 12 x 3	610 x 305 x 70		600	1.0	90	110	122	145	300
24 x 24 x 3	610 x 610 x 70		1,200	1.0	90	110	122	145	300
24 x 12 x 3	610 x 305 x 80		700	1.15	90	110	122	145	300
24 x 24 x 3	610 x 610 x 80		1,400	1.15	90	110	122	145	300
12 x 12 x 4	289 x 289 x 95		600	2.5	100	147	169	190	350
24 x 12 x 4	594 x 289 x 95		1,300	2.5	100	147	169	190	350
24 x 12 x 4	492 x 492 x 95		1,900	2.5	100	147	169	190	350
24 x 24 x 4	594 x 594 x 95		2,800	2.5	100	147	169	190	350
24 x 12 x 4	592 x 287 x 100		1,300	2.5	100	147	169	190	350
24 x 24 x 4	592 x 592 x 100		2,800	2.5	100	147	169	190	350

Remark:
1. Performance initial pressure drop tolerance is ±10%
2. Special dimensions available upon request



M-MII

MEDIUM EFFICIENCY MINI-PLEATED AIR FILTER (LOW PRESSURE DROP)



PRODUCT INTRODUCTION

- The low-pressure drop filter utilizes non-woven fabric as its filtering material and functions without partitions. The non-woven fabric filter core features a deep filtration structure with a uniform pore size distribution, being dense on the outside and loose on the inside. It offers high filtration efficiency and strong resistance to acids and alkalis. It effectively removes suspended particles, fine dust, rust and other air impurities.

PRODUCT FEATURES

- Low-pressure drop
- Customizable in compact sizes, lightweight and space-saving
- Environmentally adaptable with a wide range of applications
- Chemical resistance and antimicrobial properties

List of Materials	
Frame	Anodized aluminium profiles / Black cardboard / Galvanized steel / Aluminium / Stainless steel
Filter Depth	20~110mm (Varies by frame material)
Filter Material	Melt-blown non-woven fabric
Separator	Hot melt adhesive
Sealant	Polyurethane / Hot melt adhesive
Faceguard	Powder-coated steel faceguard (optional for extruded or sheet metal frames)

Applicable Conditions	
Operating Environment Requirements	≤60°C
Max. operating humidity (extruded aluminium / sheet metal frames)	≤95%RH
Humidity Requirement for Paper Frames	≤80%RH

EFFICIENCY

- M6, F7, F8, F9

APPLICATIONS

- Fresh air systems, industrial dust removal, indoor air purification, and many other fields

NAME SPECIFICATION

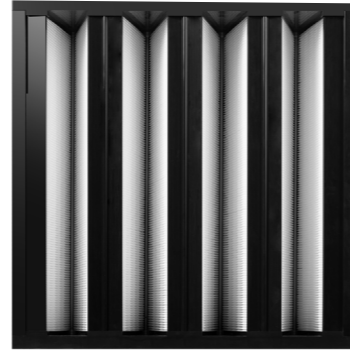
MII - 01 - □□□ - □□□ - □□ - G□ - E□ - 03

- 1 PP
- 2 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream (neoprene rubber), EP1-Upstream, EP2-Both sides, EP3-Downstream (pharmaceutical industry EPDM material)
- 3 Faceguard: G0-None, G1-Downstream, G2-Both sides
- 4 Frame material: A-Aluminium, P-Paper, SG-Galvanized sheet, SS (SUS304)-Stainless steel, AL-Aluminium
- 5 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 6 Efficiency: M6, F7, F8, F9
- 7 Manufacturer: MayAir
- 8 Type: Medium efficiency mini-pleated filter (low pressure drop)

Product Specifications							
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Frame Material	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)			
				M6	F7	F8	F9
12 x 24 x 1	305 x 610 x 30	Paper	1	25	45	60	75
12 x 24 x 2	305 x 610 x 50	Aluminium / Sheet metal	1	25	45	60	75
24 x 24 x 1	610 x 610 x 30	Paper	1	25	45	60	75
24 x 24 x 2	610 x 610 x 50	Aluminium / Sheet metal	1	25	45	60	75
12 x 24 x 1	305 x 610 x 30	Paper	2.5	90	130	160	190
12 x 24 x 2	305 x 610 x 50	Aluminium / Sheet metal	2.5	90	130	160	190
24 x 24 x 1	610 x 610 x 30	Paper	2.5	90	130	160	190
24 x 24 x 2	610 x 610 x 50	Aluminium / Sheet metal	2.5	90	130	160	190

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special sizes can be provided upon request.

M-MV MEDIUM EFFICIENCY V-SHAPED MINI-PLEATED AIR FILTER



PRODUCT FEATURES

- V-shaped low pressure drop design ensures low resistance
- Mini-pleated design with melt-blown media
- High dust holding capacity and extended service life
- Robust structure ensures stable performance under turbulent airflow conditions
- Polypropylene frame, fully incinerable for environmentally friendly disposal

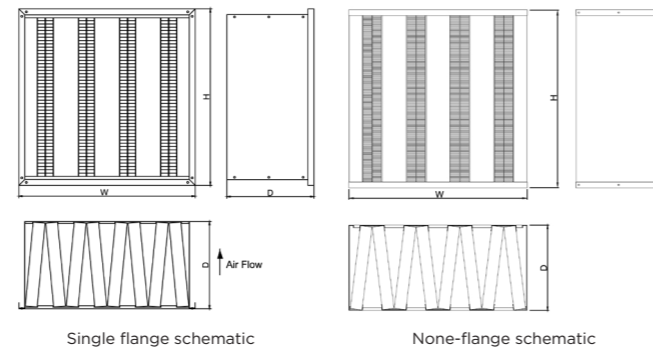
APPLICATIONS

- Medium efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for HVAC systems in high-humidity environments
- Suitable for variable air volume (VAV) HVAC systems
- Ideal for HVAC systems with limited installation space
- Widely used in cleanrooms and other environments with stringent air cleanliness requirements

EFFICIENCY

- M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION



Single flange schematic

None-flange schematic

NAME SPECIFICATION

MV - 01 - □□ - □□□ - □□ - □□ - E□ - □□

- 1 Enclosure type: X-Non-flange, D1-Single flange
- 2 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- 3 Frame material: PL-ABS, SG-Galvanized steel sheet, AL-Aluminium
- 4 Filter: 2-2V, 3-3V, 4-4V, 5-5V
- 5 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 6 Efficiency: M6, F7, F8, F9
- 7 Manufacturer: MayAir
- 8 Type: Medium efficiency V-Shaped mini-pleated air filter

Product Specifications									
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Filter Block (V)	Flange (Material)	Airflow (m ³ /h)	Rated Initial Pressure Drop (Pa)				Recommended Final Pressure Drop (Pa)
					M6	F7	F8	F9	
12 x 24 x 12	287 x 592 x 292	2V	Single flange (ABS)	1,700	65	85	105	130	450
24 x 12 x 12	592 x 287 x 292	4V		1,700	65	85	105	130	450
24 x 20 x 12	592 x 490 x 292	4V		2,800	65	85	105	130	450
24 x 24 x 12	592 x 592 x 292	4V		3,400	65	85	105	130	450

Note: Performance initial pressure drop tolerance is ±15%.

List of Materials	
Frame	ABS / Galvanized steel sheet / Aluminium
Filter Depth	292mm
Filter Material	Water-resistant fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane

Applicable Conditions	
Maximum Temperature	70°C (158°F)

M-MV MEDIUM EFFICIENCY V-SHAPED MINI-PLEATED AIR FILTER (LOW PRESSURE DROP)



PRODUCT FEATURES

- V-shape design for low pressure drop
- Mini-pleated design with melt-blown media
- High dust holding capacity with low pressure drop
- Robust construction for stable performance under turbulent airflow
- Available in single-flanged or non-flanged configurations with a fully incinerable polypropylene frame

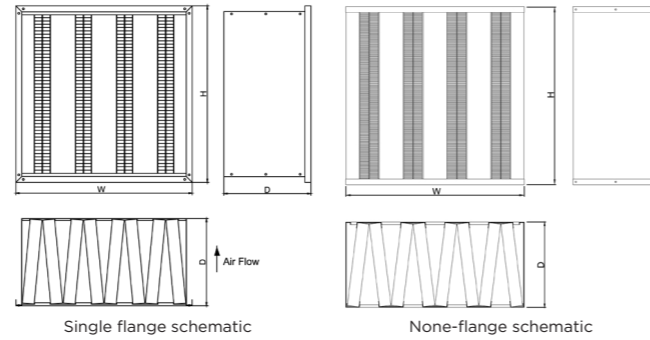
APPLICATIONS

- Medium efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for variable air volume (VAV) HVAC systems
- Ideal for HVAC systems with limited installation space
- Widely used in cleanrooms and other environments with stringent air cleanliness requirements

EFFICIENCY

- M6, F7, F8, F9

PRODUCT STRUCTURE DESCRIPTION



NAME SPECIFICATION

MV - 01 - □□ - □□□ - □□ - □□ - E□ - □□ - 03

- 1 PP
- 2 Enclosure type: X-No flange, D1-Single flange
- 3 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- 4 Frame material: PL-ABS, SG-Galvanized steel sheet, AL-Aluminium
- 5 Filter: 2-2V, 3-3V, 4-4V, 5-5V
- 6 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 7 Efficiency: M6, F7, F8, F9
- 8 Manufacturer: MayAir
- 9 Type: Medium efficiency V-Shaped mini-pleated air filter (low pressure drop)

Product Specifications										
Standard Size Medium Efficiency Pressure Drop Parameter Table										
Type	Dimensions W x H x D (mm)	Frame Material	Filter Block (V)	Flange	Airflow (m ³ /h)	Rated Initial Pressure Drop (Pa)				Recommended Final Pressure Drop (Pa)
						M6	F7	F8	F9	
Standard airflow (N)	287 x 592 x 292	ABS/ Galvanized steel/ Aluminium	2	Single	1,700	65	70	75	85	450
	305 x 610 x 292		2	None	1,800	65	70	75	85	450
	592 x 592 x 292		4	Single	3,400	65	70	75	85	450
	610 x 610 x 292		4	None	3600	65	70	75	85	450

Remark:
1. Initial pressure drop performance tolerance is ±15%
2. Special sizes can be provided upon request.

List of Materials	
Frame	ABS / Galvanized steel / Aluminium
Filter Depth	292mm
Filter Material	Melt-blown non-woven fabric
Separator	Hot melt adhesive
Sealant	Polyurethane

Applicable Conditions	
Maximum Temperature	60°C (140°F)



M-SHI

SEMI-HIGH EFFICIENCY SEMI-HEPA FILTER WITH SEPERATOR

PRODUCT FEATURES

- Corrugated aluminium. Frame available in non-flanged, single-flanged, or double-flanged configurations, with a 20 mm flange depth
- Ultra-fine glass fiber media
- Separator design ensures high efficiency, low pressure drop, and high dust holding capacity
- Suitable for variable air volume (VAV) systems

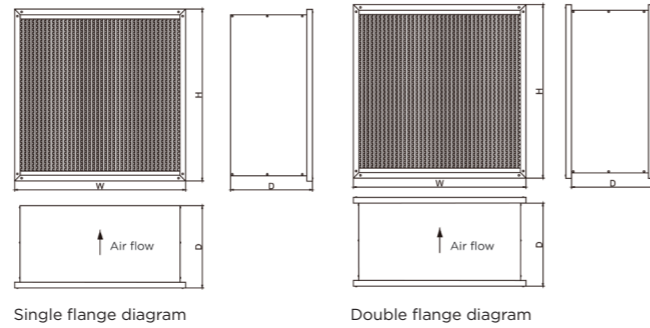
APPLICATIONS

- Semi-high efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for HVAC systems in high-humidity environments
- Suitable for variable air volume (VAV) HVAC systems
- Ideal for HVAC systems with limited installation space
- Suitable for HVAC systems with high fire safety requirements or elevated operating temperatures
- Widely used in cleanrooms and other environments with stringent air cleanliness requirements

EFFICIENCY

- E10, E11, E12

PRODUCT STRUCTURE DESCRIPTION



NAME SPECIFICATION

SHI - 01 - □□□ - □□□ - □□ - E□ - □□ - □

- 1 Separator types: Unmarked: Corrugated aluminium Z: Paper, SS: Stainless steel
- 2 Flange types: X-No flange, D1-Single flange, D2-Double flange
- 3 Air-tight gasket: E0-None, E1-Upstream E2-Both sides, E3-Downstream
- 4 Frame material: SS (SUS304)-Stainless steel sheet, SG-Galvanized steel sheet, AL-Aluminium, A-Aluminium
- 5 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 6 Efficiency: E10, E11, E12
- 7 Manufacturer: MayAir
- 8 Type: Semi-high efficiency semi-HEPA filter with separator

Product Specifications									
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Separator	Flange	Airflow (m ³ /h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)			Recommended Final Pressure Drop (Pa)
						E10	E11	E12	
12 x 24 x 3	305 x 610 x 80	Corrugated aluminium	None	200	0.36	100	130	140	450
24 x 24 x 3	610 x 610 x 80			420	0.36	100	130	140	450
12 x 24 x 6	305 x 610 x 150			420	0.77	100	130	140	450
24 x 24 x 6	610 x 610 x 150			900	0.77	100	130	140	450
12 x 24 x 9	305 x 610 x 220			650	1.20	100	130	140	450
24 x 24 x 9	610 x 610 x 220			1,400	1.20	100	130	140	450
12 x 24 x 12	305 x 610 x 292			860	1.60	100	130	140	450
24 x 24 x 12	610 x 610 x 292			1,860	1.60	100	130	140	450

- Remark:
1. Initial pressure drop performance tolerance is ±10%
 2. Special dimensions available upon request

List of Materials	
Frame	Galvanized steel sheet / Aluminium / Stainless steel sheet / Aluminium profiles
Filter Depth	80mm / 150mm / 220mm / 292mm
Filter Material	Water-resistant fiberglass
Separator	Corrugated aluminium / Paper
Sealant	Polyurethane

Note: Faceguard available (Material: Powder-coated steel faceguard)

Applicable Conditions	
Maximum Temperature	80°C (180°F)

M-SHII SEMI-HIGH EFFICIENCY MINI-PLEATED AIR FILTER



PRODUCT FEATURES

- Mini-pleated design to reduce operating costs
- Compact design with wide application range, minimizing storage space requirements
- Ultra-thin design to reduce installation space

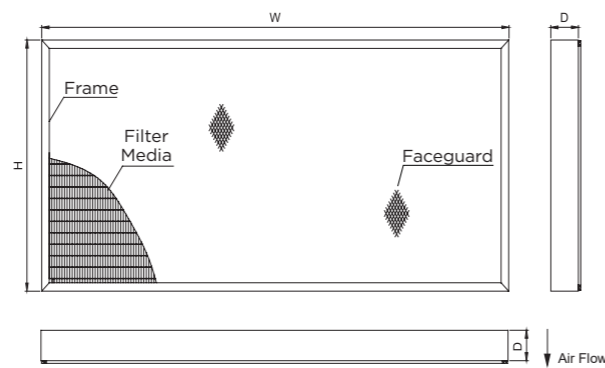
APPLICATIONS

- Medium efficiency filtration for cleanroom applications and HVAC systems in commercial and industrial facilities
- HVAC systems operating in high-humidity environments
- Variable air volume (VAV) HVAC systems
- HVAC systems with limited installation space

EFFICIENCY

- E10, E11, E12

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Galvanized steel / Aluminium / Stainless steel
Filter Depth	50mm / 70mm / 80mm / 90mm / 95mm / 100mm
Filter Material	Water-resistant fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane
Faceguard	Powder-coated steel faceguard

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

SHII - 01 - □□□ - □□□ - □□ - G□ - E□



Product Specifications							
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Faceguard	Airflow (m³/h)	Air Velocity (m/s)	Rated Initial Pressure Drop (Pa)		
					E10	E11	E12
24 x 12 x 2	610 x 305 x 50	Both Sides	490	0.85	95	122	145
24 x 24 x 2	610 x 610 x 50		1,030	0.85	95	122	145
24 x 12 x 2.8	610 x 305 x 70		570	1.00	95	122	145
24 x 24 x 2.8	610 x 610 x 70		1,200	1.00	95	122	145
24 x 12 x 3	610 x 305 x 80		570	1.00	95	122	145
24 x 24 x 3	610 x 610 x 80		1,200	1.00	95	122	145
24 x 12 x 4	610 x 305 x 90		660	1.15	95	122	145
24 x 24 x 4	610 x 610 x 90		1,400	1.15	95	122	145
24 x 12 x 4	610 x 305 x 95		660	1.15	95	122	145
24 x 24 x 4	610 x 610 x 95		1,400	1.15	95	122	145
24 x 12 x 4	610 x 305 x 100		660	1.15	95	122	145
24 x 24 x 4	610 x 610 x 100		1,400	1.15	95	122	145
23 x 23 x 2.8	570 x 570 x 70		470	0.45	50	60	70
47 x 23 x 2.8	1170 x 570 x 70		1,000	0.45	50	60	70
24 x 12 x 2.8	610 x 305 x 70		280	0.45	50	60	70
24 x 24 x 2.8	610 x 610 x 70		600	0.45	50	60	70
30 x 24 x 2.8	762 x 610 x 70		760	0.45	50	60	70
36 x 24 x 2.8	915 x 610 x 70		920	0.45	50	60	70
47 x 35 x 2.8	1170 x 870 x 70		1,550	0.45	50	60	70
47 x 47 x 2.8	1170 x 1170 x 70		2,100	0.45	50	60	70
23 x 23 x 4	570 x 570 x 90	470	0.45	39	60	54	
47 x 23 x 4	1170 x 570 x 90	1,000	0.45	39	60	54	
24 x 12 x 4	610 x 305 x 90	280	0.45	39	60	54	
24 x 24 x 4	610 x 610 x 90	600	0.45	39	60	54	
30 x 24 x 4	762 x 610 x 90	760	0.45	39	60	54	
36 x 24 x 4	915 x 610 x 90	920	0.45	39	60	54	
47 x 35 x 4	1170 x 870 x 90	1,550	0.45	39	60	54	
47 x 47 x 4	1170 x 1170 x 90	2,100	0.45	39	60	54	

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request



M-SHII SEMI-HIGH EFFICIENCY MINI-PLEATED AIR FILTER (LOW PRESSURE DROP)

PRODUCT INTRODUCTION

- The low-pressure drop filter utilizes non-woven fabric as its filtering material and functions without partitions. The non-woven fabric filter core features a deep filtration structure with a uniform pore size distribution, being dense on the outside and loose on the inside. It offers high filtration efficiency and strong resistance to acids and alkalis. It effectively removes suspended particles, fine dust, rust and other air impurities.

PRODUCT FEATURES

- Low-pressure drop
- Customizable in compact sizes, lightweight and space-saving
- Environmentally adaptable with a wide range of applications
- Chemical resistance and antimicrobial properties

EFFICIENCY

- E10, E11, E12

APPLICATIONS

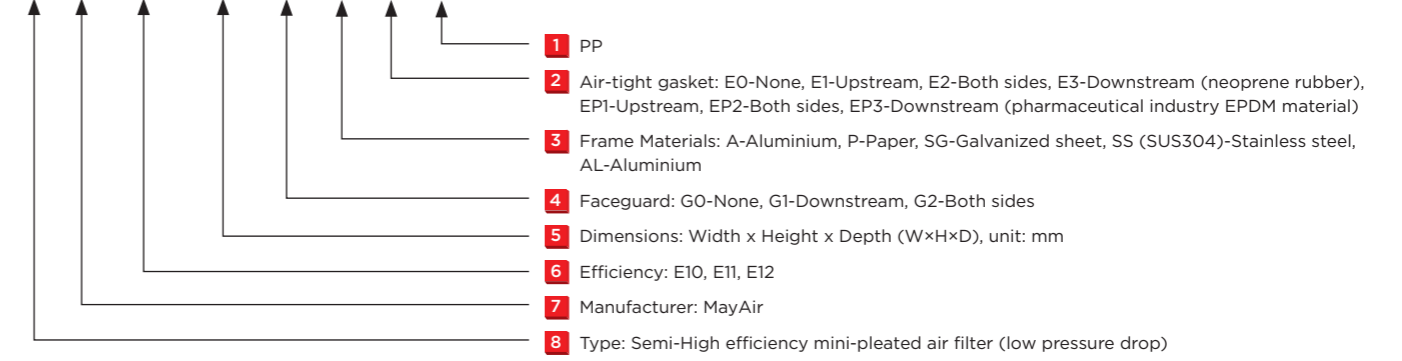
- Fresh air systems, industrial dust removal, indoor air purification, and many other fields

List of Materials	
Frame	Anodized aluminium profiles / Black cardboard / Galvanized steel / Aluminium / Stainless steel
Filter Depth	20~110mm (Varies by frame material)
Filter Material	Melt-blown non-woven fabric
Separator	Hot melt adhesive
Sealant	Polyurethane / Hot melt adhesive
Faceguard	Powder-coated steel faceguard (optional for extruded or sheet metal frames)

Applicable Conditions	
Operating Environment Requirements	≤60°C
Max. operating humidity (extruded aluminum / sheet metal frames)	≤95%RH
Humidity Requirement for Paper Frames	≤80%RH

NAME SPECIFICATION

SHII - 01 - □□□ - □□□ - □□ - G□ - E□ - 03



Product Specifications						
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Frame Material	Air Velocity (m/s)	Rated Initial Pressure Drop (Pa)		
				E10	E11	E12
12 x 24 x 2	305 x 610 x 50	Paper	1	70	80	90
12 x 24 x 3	305 x 610 x 70	Extruded aluminum / Sheet metal	1	70	80	90
24 x 24 x 2	610 x 610 x 50	Paper	1	70	80	90
24 x 24 x 3	610 x 610 x 70	Extruded aluminum / Sheet metal	1	70	80	90

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special sizes can be provided upon request.

M-SHV SEMI-HIGH EFFICIENCY V-SHAPED MINI-PLEATED AIR FILTER



PRODUCT FEATURES

- V-shaped low pressure drop design ensures low resistance
- Mini-pleated design with melt-blown media
- High dust holding capacity and extended service life
- Robust structure ensures stable performance under turbulent airflow conditions
- Polypropylene frame, fully incinerable for environmentally friendly disposal

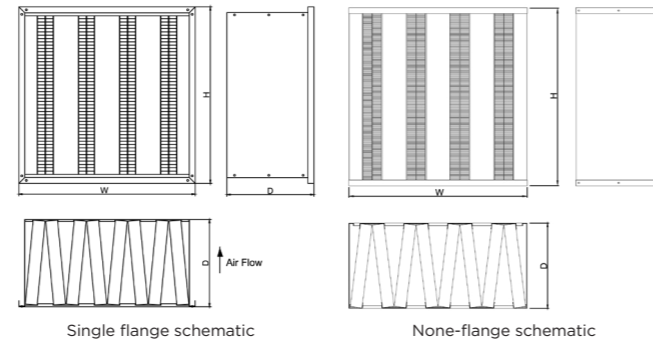
APPLICATIONS

- Semi-high efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for HVAC systems in high-humidity environments
- Suitable for variable air volume (VAV) HVAC systems
- Ideal for HVAC systems with limited installation space
- Widely used in cleanrooms and other environments with stringent air cleanliness requirements

EFFICIENCY

- E10, E11, E12

PRODUCT STRUCTURE DESCRIPTION



NAME SPECIFICATION

SHV - 01 - □□□ - □□□ - □□□ - □□□ - E□ - □□

- 1 Enclosure type: X-Non-flange, D1-Single flange
- 2 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- 3 Frame material: PL-ABS, SG-Galvanized steel sheet, AL-Aluminium
- 4 Filter: 2-2V, 3-3V, 4-4V, 6-6V, 7-7V
- 5 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 6 Efficiency: E10, E11, E12
- 7 Manufacturer: MayAir
- 8 Type: Semi-High efficiency V-shaped mini-pleated air filter

Product Specifications								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Filter Block (V)	Flange (Material)	Airflow (m ³ /h)	Rated Initial Pressure Drop (Pa)			Recommended Final Pressure Drop (Pa)
					E10	E11	E12	
24 x 24 x 12	592 x 592 x 292	4	Single flange (metal frame)	3,400	140	210	250	500
24 x 20 x 12	592 x 490 x 292	4		2,800	140	210	250	500
24 x 12 x 12	592 x 287 x 292	4		1,500	140	210	250	500
24 x 24 x 12	610 x 610 x 292	4		3,400	150	225	269	500
24 x 20 x 12	610 x 305 x 292	4		2,800	150	225	269	500
24 x 12 x 12	592 x 287 x 292	4		1,500	150	225	269	500

Remark:
1. Initial pressure drop performance tolerance is ±15%.
2. Metal frames are available for custom sizes.

List of Materials	
Frame	ABS / Galvanized steel / Aluminium
Filter Depth	292mm
Filter Material	Water-resistant fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane

Applicable Conditions	
Maximum Temperature	70°C (158°F)

M-SHV

SEMI-HIGH EFFICIENCY V-SHAPED MINI-PLEATED AIR FILTER (LOW PRESSURE DROP)



PRODUCT FEATURES

- V-shape design for low pressure drop
- Mini-pleated design with melt-blown media
- High dust holding capacity with low pressure drop
- Robust construction for stable performance under turbulent airflow
- Available in single-flanged or non-flanged configurations with a fully incinerable polypropylene frame

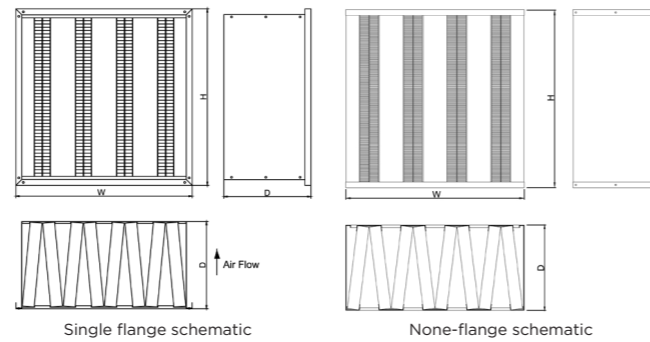
APPLICATIONS

- Semi-high efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for variable air volume (VAV) HVAC systems
- Ideal for HVAC systems with limited installation space
- Widely used in cleanrooms and other environments with stringent air cleanliness requirements

EFFICIENCY

- E10, E11, E12

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	ABS / Galvanized steel / Aluminium
Filter Depth	292mm
Filter Material	Melt-blown non-woven fabric
Separator	Hot melt adhesive
Sealant	Polyurethane

Applicable Conditions	
Maximum Temperature	60°C (140°F)

NAME SPECIFICATION

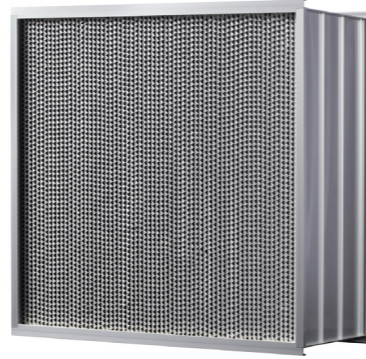
SHV - 01 - □□ - □□□ - □□ - □□ - E□ - □□ - 03

- 1 PP
- 2 Enclosure type: X-No flange, D1-Single flange
- 3 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- 4 Frame material: PL-ABS, SG-Galvanized steel sheet, AL-Aluminium
- 5 Filter: 2-2V, 3-3V, 4-4V, 5-5V
- 6 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 7 Efficiency: E10, E11, E12
- 8 Manufacturer: MayAir
- 9 Type: Semi-High efficiency V-Shaped mini-pleated air filter (low pressure drop)

Product Specifications									
Standard Size Semi-High Efficiency Pressure Drop Parameter Table									
Type	Dimensions W x H x D (mm)	Frame Material	Filter Block (V)	Flange	Airflow (m³/h)	Rated Initial Pressure Drop (Pa)			Recommended Final Pressure Drop (Pa)
						E10	E11	E12	
Standard airflow (N)	287 x 592 x 292	ABS/ Galvanized steel / Aluminium	2	Single	1,700	70	80	90	450
	305 x 610 x 292		2	None	1,800	70	80	90	450
	592 x 592 x 292		4	Single	3,400	70	80	90	450
	610 x 610 x 292		4	None	3600	70	80	90	450

Remark:
 1. Initial pressure drop performance tolerance is ±10%
 2. Special sizes can be provided upon request.

M-HI HIGH-EFFICIENCY HEPA FILTER WITH SEPARATOR



PRODUCT FEATURES

- Corrugated aluminium. Frame available in non-flanged, single-flanged, or double-flanged configurations, with a 20 mm flange depth
- Ultra-fine glass fiber media
- Separator design ensures high efficiency, low pressure drop, and high dust holding capacity
- Suitable for variable air volume (VAV) systems

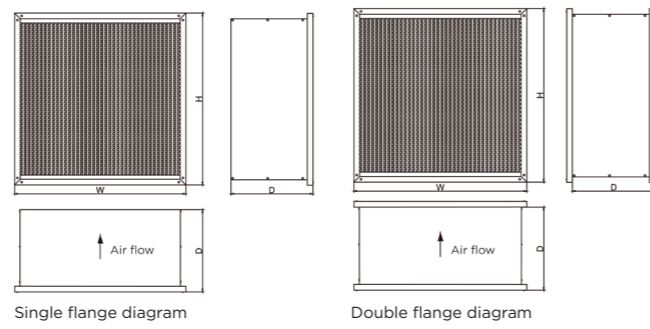
APPLICATIONS

- High efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for HVAC systems in high-humidity environments
- Suitable for variable air volume (VAV) HVAC systems
- Ideal for HVAC systems with limited installation space
- Suitable for HVAC systems with high fire safety requirements or elevated operating temperatures
- Widely used in cleanrooms and other environments with stringent air cleanliness requirements

EFFICIENCY

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)

PRODUCT STRUCTURE DESCRIPTION



NAME SPECIFICATION

HI - 01 - □□□ - □□□ - □□ - E□ - □□ - □ - □

- 1 Separator types: Unmarked: Corrugated aluminium Z: Paper, SS: Stainless steel
- 2 Airflow types: N-Standard airflow, H-High airflow
- 3 Flange types: X-No flange, D1-Single flange, D2-Double flange
- 4 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- 5 Frame material: SS (SUS304)-Stainless steel sheet, SG-Galvanized steel sheet, AL-Aluminium, A-Aluminium
- 6 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 7 Efficiency: H13, H14
- 8 Manufacturer: MayAir
- 9 Type: High efficiency HEPA filter with separator

M-HI Product Specifications: Standard Airflow								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Separator	Flange	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)		Recommended Final Pressure Drop (Pa)
						H13	H14	
12 x 24 x 3	305 x 610 x 80	Aluminium	None	200	0.36	249	280	Initial pressure drop 2 to 2.5 times
24 x 24 x 3	610 x 610 x 80			420	0.36	249	280	
12 x 24 x 6	305 x 610 x 150			420	0.77	249	280	
24 x 24 x 6	610 x 610 x 150			900	0.77	249	280	
12 x 24 x 9	305 x 610 x 220			650	1.20	249	280	
24 x 24 x 9	610 x 610 x 220			1,400	1.20	249	280	
12 x 24 x 12	305 x 610 x 292			860	1.60	249	280	
24 x 24 x 12	610 x 610 x 292			1,860	1.60	249	280	

- Remark:
1. Initial pressure drop performance tolerance is ±10%.
 2. Special dimensions available upon request.

M-HI Product Specifications: High Airflow								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Separator	Flange	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)		Recommended Final Pressure Drop (Pa)
						H13	H14	
12 x 24 x 3	305 x 610 x 80	Aluminium	None	400	0.60	249	280	Initial pressure drop 2 to 2.5 times
24 x 24 x 3	610 x 610 x 80			800	0.60	249	280	
12 x 24 x 6	305 x 610 x 150			550	1.00	249	280	
24 x 24 x 6	610 x 610 x 150			1,170	1.00	249	280	
12 x 24 x 9	305 x 610 x 220			850	1.55	249	280	
24 x 24 x 9	610 x 610 x 220			1,820	1.55	249	280	
12 x 24 x 12	305 x 610 x 292			1,120	2.00	249	280	
24 x 24 x 12	610 x 610 x 292			2,400	2.00	249	280	

- Remark:
1. Initial pressure drop performance tolerance is ±10%.
 2. Special dimensions available upon request.

List of Materials	
Frame	Galvanized steel sheet / Aluminium / Stainless steel sheet / Aluminium profiles
Filter Depth	80mm / 150mm / 220mm / 292mm
Filter Material	Water-resistant fiberglass
Separator	Corrugated aluminium / Paper
Sealant	Polyurethane

Note: Faceguard available (Material: Powder-coated steel faceguard)

Applicable Conditions	
Maximum Temperature	80°C (180°F)

M-HIH

HIGH-EFFICIENCY HEPA FILTER WITH SEPARATOR (HIGH TEMPERATURE RESISTANCE)



PRODUCT FEATURES

- Corrugated aluminium. Frame available in non-flanged, single-flanged or double-flanged configurations, with a 20 mm flange depth
- Ultra-fine glass fiber media
- High-temperature resistant versions available up to 250°C(482°F)
- Imported sealant ensures stable performance

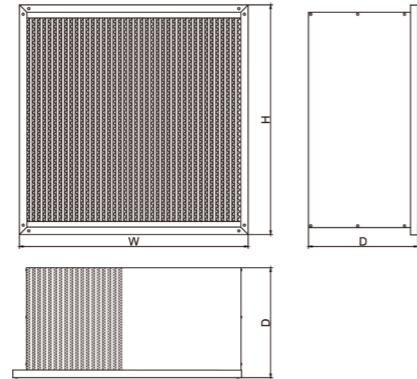
APPLICATIONS

- Used in high-temperature sterilization tunnels and ultra-clean ovens in the pharmaceutical industry
- Suitable for high-temperature air purification systems and equipment
- Applied in high-temperature air purification systems in chemical and food & beverage industries
- High efficiency filtration, particularly suitable for paint baking booths in automotive manufacturing
- Suitable for ventilation systems with high fire safety requirements or elevated operating temperatures

EFFICIENCY

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Galvanized steel / Aluminium / Stainless steel sheet
Filter Depth	80mm / 150mm / 220mm / 292mm
Filter Material	Water-resistant fiberglass
Separator	Corrugated aluminium
Gasket	High-temperature resistant sealing glue
Material of Sealing Gaskets	High-temperature resistant sealing gaskets

Note: High-temperature resistant separator-type filters are available with faceguards (stainless steel / galvanized steel / aluminium)

Applicable Conditions	
Maximum Temperature	250°C (482°F)

NAME SPECIFICATION

HIH - □□ - □□□ - □□□ - □□ - E□ - □□ - □ - □ - □

- 1 Temperature type: 250°C, customer-requested temperature
- 2 Design: P-red silicone sealant
- 3 Airflow type: N-Standard airflow, H-High airflow
- 4 Flange type: X-Non flange, D1-Single flange, D2-Double flange
- 5 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- 6 Frame material: SS (SUS304)-Stainless steel sheet, S (SUS430)-Stainless steel sheet, SG-Galvanized sheet, AL-Aluminium
- 7 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 8 Efficiency: H13, H14
- 9 O1: MayAir brand, 15: MayAir brand for the coating industry
- 10 Type: High efficiency HEPA filter with separator (high temperature resistance)

Product Specifications: Standard Airflow								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Separator	Flange	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)		Recommended Final Pressure Drop (Pa)
						H13	H14	
12 x 24 x 3	305 x 610 x 80	Aluminium	None	200	0.36	249	280	Initial pressure drop 2 to 2.5 times
24 x 24 x 3	610 x 610 x 80			420	0.36	249	280	
12 x 24 x 6	305 x 610 x 150			420	0.77	249	280	
24 x 24 x 6	610 x 610 x 150			900	0.77	249	280	
12 x 24 x 9	305 x 610 x 220			650	1.20	249	280	
24 x 24 x 9	610 x 610 x 220			1,400	1.20	249	280	
12 x 24 x 12	305 x 610 x 292			860	1.60	249	280	
24 x 24 x 12	610 x 610 x 292			1,860	1.60	249	280	

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

Product Specifications: High Airflow								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Separator	Flange	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)		Recommended Final Pressure Drop (Pa)
						H13	H14	
12 x 24 x 6	305 x 610 x 150	Aluminium	None	550	1.00	249	280	Initial pressure drop 2 to 2.5 times
24 x 24 x 6	610 x 610 x 150			1,170	1.00	249	280	
12 x 24 x 9	305 x 610 x 220			850	1.55	249	280	
24 x 24 x 9	610 x 610 x 220			1,820	1.55	249	280	
12 x 24 x 12	305 x 610 x 292			1,120	2.00	249	280	
24 x 24 x 12	610 x 610 x 292			2,400	2.00	249	280	

Remark:
1. Initial pressure drop performance tolerance is ±10%
2. Special dimensions available upon request

M-HV HIGH EFFICIENCY V-SHAPED MINI-PLEATED FILTER



PRODUCT FEATURES

- V-shaped low pressure drop design ensures low resistance
- Mini-pleated design with melt-blown media
- High dust holding capacity and extended service life
- Robust structure ensures stable performance under turbulent airflow conditions
- Polypropylene frame, fully incinerable for environmentally friendly disposal

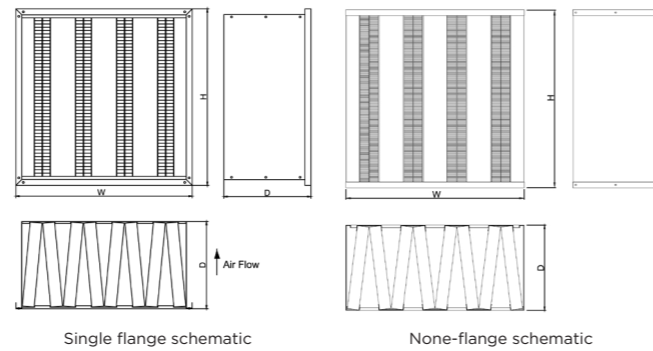
APPLICATIONS

- High efficiency filtration for cleanroom HVAC systems as well as commercial and industrial applications
- Suitable for HVAC systems in high-humidity environments
- Suitable for variable air volume (VAV) HVAC systems
- Ideal for HVAC systems with limited installation space
- Widely used in cleanrooms and other environments with stringent air cleanliness requirements

EFFICIENCY

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	ABS / Galvanized steel / Aluminium
Filter Depth	292mm
Filter Material	Water-resistant fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

HV - 01 - □□□ - □□□□ - □□□□ - E□ - □□□□

- Airflow type: N-Standard airflow, H-High airflow
- Enclosure type: X-No flange, D1-Single flange
- Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream
- Frame material: PL-ABS, SG-Galvanized steel sheet, A-Aluminium
- Filter: 2-2V, 3-3V, 4-4V, 5-5V
- Dimensions: Width x Height x Depth (WxHxD), unit: mm
- Efficiency: H13, H14
- Manufacturer: MayAir
- Type: High efficiency V-Shaped mini-pleated air filter

Product Specifications: Standard Airflow							
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Filter Block (V)	Flange (Material) (None / Single)	Airflow (m³/h)	Rated Initial Pressure Drop (Pa)		Recommended Final Pressure Drop (Pa)
					H13	H14	
24 x 24 x 12	592 x 592 x 292	4	Single flange (metal frame)	3,400	270	340	500
24 x 20 x 12	592 x 490 x 292	4		2,800	270	340	500
24 x 12 x 12	592 x 287 x 292	4		1,500	270	340	500
24 x 24 x 12	592 x 592 x 292	5	Single flange (ABS)	3,400	290	350	500
24 x 20 x 12	592 x 490 x 292	5		2,800	290	350	500
24 x 12 x 12	592 x 287 x 292	5		1,500	290	350	500
24 x 24 x 12	592 x 592 x 292	4		3,400	320	390	500
24 x 20 x 12	592 x 490 x 292	4		2,800	320	390	500
24 x 12 x 12	592 x 287 x 292	4		1,500	320	390	500

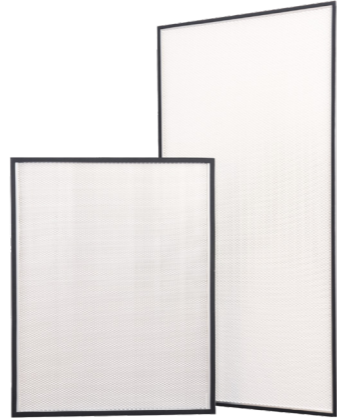
- Remark:
- Initial pressure drop performance tolerance is ±15%
 - Metal frames are available for custom sizes.

Product Specifications: High Airflow							
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Filter Block (V)	Flange (Material) (None / Single)	Airflow (m³/h)	Rated Initial Pressure Drop (Pa)		Recommended Final Pressure Drop (Pa)
					H13	H14	
24 x 24 x 12	592 x 592 x 292	4	Single flange (metal frame)	3,400	250	290	500
24 x 20 x 12	592 x 490 x 292	4		2,800	250	290	500
24 x 12 x 12	592 x 287 x 292	4		1,500	250	290	500
24 x 24 x 12	592 x 592 x 292	5	Single flange (ABS)	3,400	260	300	500
24 x 20 x 12	592 x 490 x 292	5		2,800	260	300	500
24 x 12 x 12	592 x 287 x 292	5		1,500	260	300	500

- Remark:
- Initial pressure drop performance tolerance is ±15%
 - Metal frames are available for custom sizes.



M-HII/ M-UII HIGH/ ULTRA EFFICIENCY MINI-PLEATED AIR FILTER



PRODUCT FEATURES

- Mini-pleated design to reduce operating costs
- Compact design for wide applications and space-saving storage
- Ultra-thin design for space-saving installation

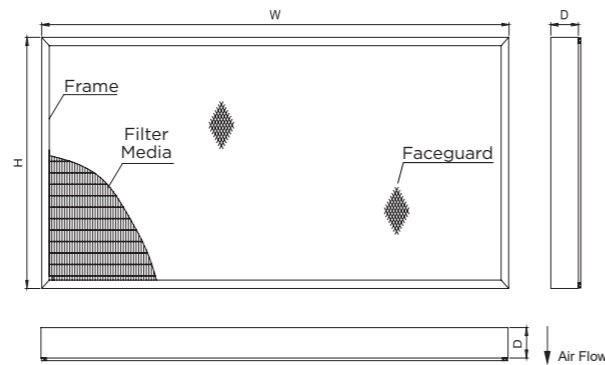
APPLICATIONS

- Widely used in cleanrooms and other applications with stringent air cleanliness requirements

EFFICIENCY

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)
- 99.9995%@MPPS(U15), 99.99995%@MPPS(U16)

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Anodized aluminium profiles
Filter Depth	50mm / 70mm / 90mm / 110mm
Filter material	Ultrafine glass fiber
Separator	Hot melt adhesive
Sealant	Polyurethane
Faceguard	Powder-coated steel faceguard

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

□□ - 01 - □□□ - □□□ - □□ - G□ - E□

- 1 Air-tight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream (neoprene rubber), EPI-Upstream, EP2-Both sides, EP3-Downstream (pharmaceutical industry epdm material)
- 2 Faceguard: G0-None, G1-Downstream, G2-Both sides
- 3 Frame material: A-Aluminium
- 4 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 5 Efficiency: H13, H14, U15, U16
- 6 Manufacturer: Mayair
- 7 High/ Ultra efficiency mini-pleated air filter

Product Specifications								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Faceguard	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)			
					H13	H14	U15	U16
23 x 23 x 2	570 x 570 x 50	Both Sides	370	0.35	108	115	135	148
47 x 23 x 2	1170 x 570 x 50		780	0.35	108	115	135	148
24 x 12 x 2	610 x 305 x 50		200	0.35	108	115	135	148
24 x 24 x 2	610 x 610 x 50		420	0.35	108	115	135	148
30 x 24 x 2	762 x 610 x 50		540	0.35	108	115	135	148
36 x 24 x 2	915 x 610 x 50		650	0.35	108	115	135	148
47 x 35 x 2	1170 x 870 x 50		1,200	0.35	108	115	135	148
47 x 47 x 2	1170 x 1170 x 50 (with reinforcement rib)		1,640	0.35	108	115	135	148
23 x 23 x 2.8	570 x 570 x 70		470	0.45	100	110	120	140
47 x 23 x 2.8	1170 x 570 x 70		1,000	0.45	100	110	120	140
24 x 12 x 2.8	610 x 305 x 70		260	0.45	100	110	120	140
24 x 24 x 2.8	610 x 610 x 70		550	0.45	100	110	120	140
30 x 24 x 2.8	762 x 610 x 70		690	0.45	100	110	120	140
36 x 24 x 2.8	915 x 610 x 70		830	0.45	100	110	120	140
47 x 35 x 2.8	1170 x 870 x 70		1,550	0.45	100	110	120	140
47 x 47 x 2.8	1170 x 1170 x 70		2,100	0.45	100	110	120	140
23 x 23 x 4	570 x 570 x 90		470	0.45	75	80	90	110
47 x 23 x 4	1170 x 570 x 90		1,000	0.45	75	80	90	110
24 x 12 x 4	610 x 305 x 90		260	0.45	75	80	90	110
24 x 24 x 4	610 x 610 x 90		550	0.45	75	80	90	110
30 x 24 x 4	762 x 610 x 90	690	0.45	75	80	90	110	
36 x 24 x 4	915 x 610 x 90	830	0.45	75	80	90	110	
47 x 35 x 4	1170 x 870 x 90	1,550	0.45	75	80	90	110	
47 x 47 x 4	1170 x 1170 x 90	2,100	0.45	75	80	90	110	
23 x 23 x 5	570 x 570 x 110	470	0.45	60	65	70	85	
47 x 23 x 5	1170 x 570 x 110	1,000	0.45	60	65	70	85	
24 x 12 x 5	610 x 305 x 110	260	0.45	60	65	70	85	
24 x 24 x 5	610 x 610 x 110	550	0.45	60	65	70	85	
30 x 24 x 5	762 x 610 x 110	690	0.45	60	65	70	85	
36 x 24 x 5	915 x 610 x 110	830	0.45	60	65	70	85	
47 x 35 x 5	1170 x 870 x 110	1,550	0.45	60	65	70	85	
47 x 47 x 5	1170 x 1170 x 110	2,100	0.45	60	65	70	85	

Remark:
1. Performance initial pressure drop tolerance is ±10%
2. Special dimensions available upon request

M-HII/ M-UII (PTFE) HIGH/ ULTRA EFFICIENCY MINI-PLEATED AIR FILTER



PRODUCT FEATURES

- High efficiency combined with ultra-low pressure drop, featuring high-performance PTFE media
- Low energy consumption with energy savings of over 40%
- Excellent resistance to environmental corrosion (acidic, alkaline and organic compounds)
- Extremely low chemical outgassing (boron, sodium, potassium, silicon)
- High-strength media for enhanced resistance to handling and installation impact
- Compact size and lightweight design for space-saving installation

APPLICATIONS

- Suitable for semiconductor fabrication facilities, LCD manufacturing plants, modular cleanrooms and other applications with stringent micro-environment control requirements

List of Materials	
Frame	Anodized aluminium profiles
Filter Depth	30mm / 50mm / 70mm
Filter Material	PTFE composite filter material
Sealant	Polyurethane
Faceguard	Powder-coated steel faceguard

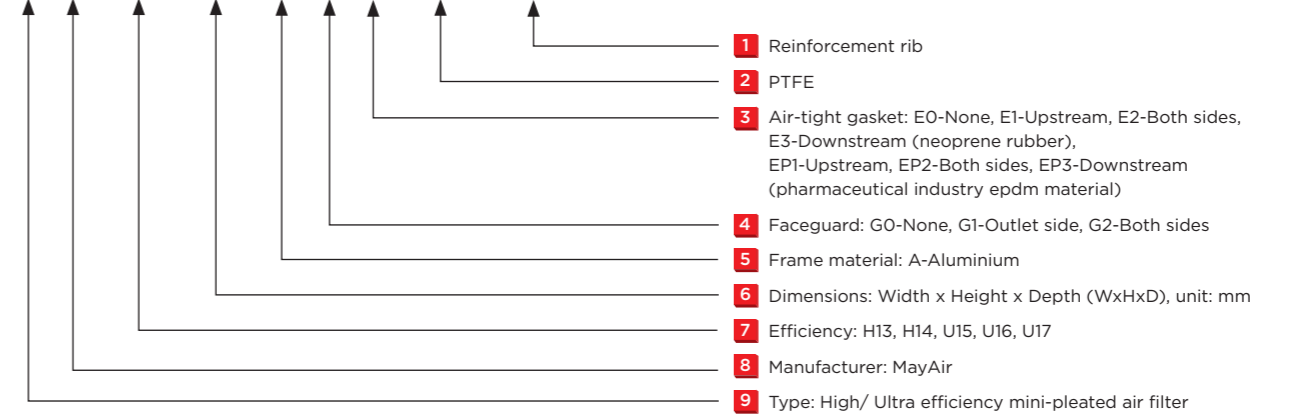
Applicable Conditions	
Maximum Temperature	70°C (158°F)

EFFICIENCY

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)
- 99.9995%@MPPS(U15), 99.99995%@MPPS(U16), 99.999995%@MPPS(U17)

NAME SPECIFICATION

□□ - 01 - □□□ - □□□ - □□ - G□ - E - 02(PTFE) - ST



Product Specifications						
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Face Velocity (m/s)	Rated Initial Pressure Drop for PTFE (Pa)			
			H13 / H14	U15	U16	U17
23 x 23 x 1	570 x 570 x 30	0.35	74	94	115	152
23 x 47 x 1	570 x 1170 x 30	0.35	74	94	115	152
47 x 47 x 1	1170 x 1170 x 30 (with reinforcement rib)	0.35	74	94	115	152
23 x 23 x 2	570 x 570 x 50	0.45	63	81	99	130
23 x 47 x 2	570 x 1170 x 50	0.45	63	81	99	130
47 x 47 x 2	1170 x 1170 x 50 (with reinforcement rib)	0.45	63	81	99	130
23 x 23 x 2.8	570 x 570 x 70	0.45	38	49	59	78
23 x 47 x 2.8	570 x 1170 x 70	0.45	38	49	59	78
47 x 47 x 2.8	1170 x 1170 x 70 (with reinforcement rib)	0.45	38	49	59	78

Remark:
1. Performance initial pressure drop tolerance is ±10%
2. Special dimensions available upon request

M-HII/ M-UII (PAO TEST) HIGH/ ULTRA EFFICIENCY MINI-PLEATED AIR FILTER (PAO TEST)



PRODUCT FEATURES

- Mini-pleated design to reduce operating costs
- Compact design for wide applications and space-saving storage
- Ultra-thin design for space-saving installation

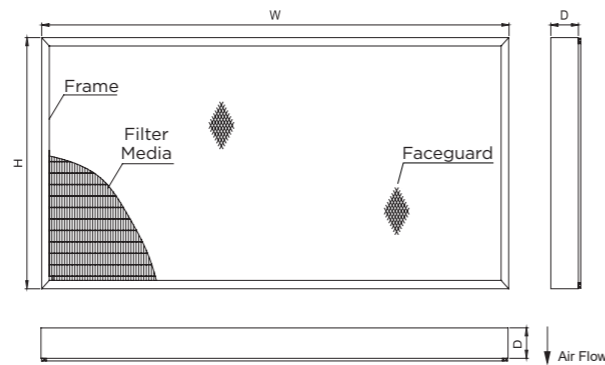
APPLICATIONS

- Efficient air supply ports for pharmaceutical cleanrooms
- Local purification equipment such as laminar flow hoods, clean benches, biosafety cabinets, pass box, etc.
- Efficient filters matching FFU products in cleanroom purification plants

EFFICIENCY

- 99.995% @ MPPS (H14)
- 99.9995% @ MPPS (U15)

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Anodized aluminium profiles
Filter Depth	50mm / 70mm / 90mm / 110mm
Filter Material	Ultra-fine glass fiber
Separator	Hot melt adhesive
Sealant	Polyurethane
Faceguard	Powder-coated steel faceguard

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

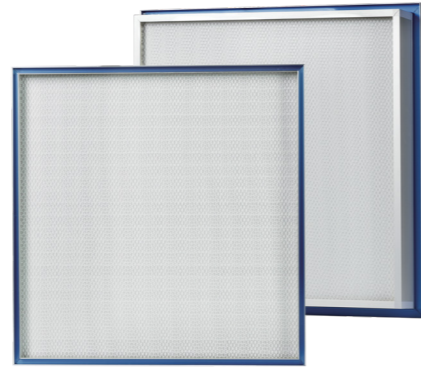
□□ - 01 - □□□ - □□□ - □□ - G□ - E□

- 1 Sealing gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream (neoprene rubber), EP1-Upstream, EP2-Both sides EP3-Downstream (EPDM material for pharmaceutical industry)
- 2 Faceguard: G0-none, G1-Upstream, G2-Both sides
- 3 Frame material: A-Aluminium
- 4 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 5 Efficiency: 99.995% @ Mpps (H14), 99.9995% @ Mpps (U15)
- 6 Manufacturer: Mayair
- 7 Type: High/ Ultra efficiency mini-pleated air filter

Product Specifications						
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Faceguard	Airflow (m³/h)	Face Velocity (m/s)	Rated initial Pressure Drop (Pa)	
					H14	U15
23 x 23 x 1	570 x 570 x 50	Double sided	370	0.35	135	148
47 x 23 x 1	1170 x 570 x 50		780	0.35	135	148
24 x 12 x 1	610 x 305 x 50		200	0.35	135	148
24 x 24 x 1	610 x 610 x 50		420	0.35	135	148
30 x 24 x 1	762 x 610 x 50		540	0.35	135	148
36 x 24 x 1	915 x 610 x 50		650	0.35	135	148
47 x 35 x 1	1170 x 870 x 50		1,200	0.35	135	148
47 x 47 x 1	1170 x 1170 x 50 (with reinforcement rib)		1,640	0.35	135	148
23 x 23 x 2.8	570 x 570 x 70		470	0.45	120	140
47 x 23 x 2.8	1170 x 570 x 70		1,000	0.45	120	140
24 x 12 x 2.8	610 x 305 x 70		260	0.45	120	140
24 x 24 x 2.8	610 x 610 x 70		550	0.45	120	140
30 x 24 x 2.8	762 x 610 x 70		690	0.45	120	140
36 x 24 x 2.8	915 x 610 x 70		830	0.45	120	140
47 x 35 x 2.8	1170 x 870 x 70		1,550	0.45	120	140
47 x 47 x 2.8	1170 x 1170 x 70		2,100	0.45	120	140
23 x 23 x 4	570 x 570 x 90		470	0.45	90	110
47 x 23 x 4	1170 x 570 x 90		1,000	0.45	90	110
24 x 12 x 4	610 x 305 x 90		260	0.45	90	110
24 x 24 x 4	610 x 610 x 90		550	0.45	90	110
30 x 24 x 4	762 x 610 x 90		690	0.45	90	110
36 x 24 x 4	915 x 610 x 90		830	0.45	90	110
47 x 35 x 4	1170 x 870 x 90		1,550	0.45	90	110
47 x 47 x 4	1170 x 1170 x 90		2,100	0.45	90	110
23 x 23 x 5	570 x 570 x 110	470	0.45	70	85	
47 x 23 x 5	1170 x 570 x 110	1,000	0.45	70	85	
24 x 12 x 5	610 x 305 x 110	260	0.45	70	85	
24 x 24 x 5	610 x 610 x 110	550	0.45	70	85	
30 x 24 x 5	762 x 610 x 110	690	0.45	70	85	
36 x 24 x 5	915 x 610 x 110	830	0.45	70	85	
47 x 35 x 5	1170 x 870 x 110	1,550	0.45	70	85	
47 x 47 x 5	1170 x 1170 x 110	2,100	0.45	70	85	

Remark:
1. Performance initial pressure drop tolerance is ±10%
2. Special dimensions available upon request

M-HII/ M-UII - GEL SEALED (PAO) HIGH/ ULTRA EFFICIENCY MINI-PLEATED AIR FILTER (PAO GEL SEALED TYPE)



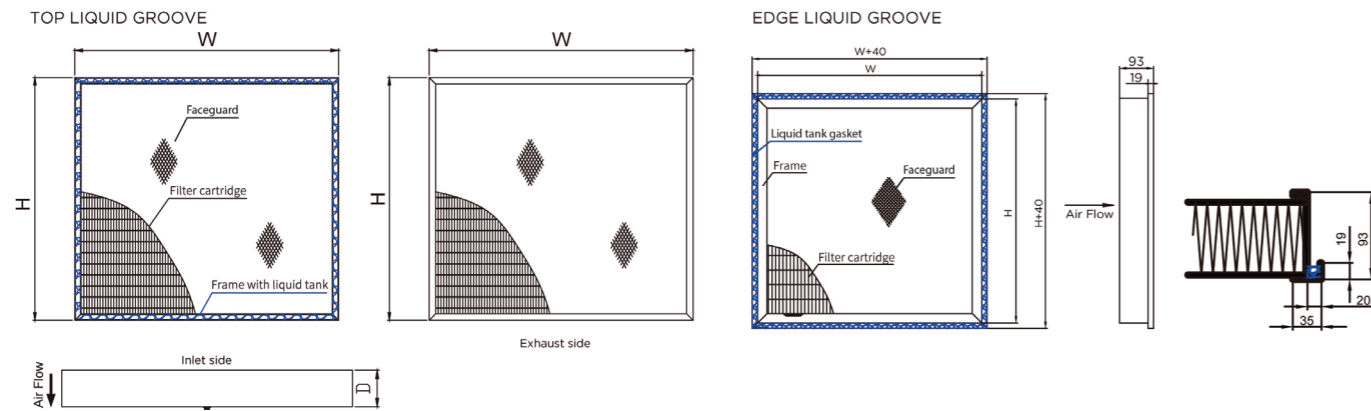
PRODUCT FEATURES

- Mini-pleated design to reduce operating costs
- Compact design for wide applications and space-saving storage
- Ultra-thin design for space-saving installation
- Gel seal design for enhanced sealing performance

APPLICATIONS

- Widely used in cleanroom and other fields with strict requirements for air cleanliness.

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Anodized aluminium profiles
Filter Depth	80mm / 100mm (top gel seal) / 93mm (side gel seal)
Filter Material	Ultra-fine fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane
Faceguard	Powder-coated steel faceguard

Applicable Conditions	
Maximum Temperature	70°C (158°F)

EFFICIENCY

- 99.995%@MPPS(H14), 99.9995%@MPPS(U15)

NAME SPECIFICATION

□□ - 01 - □□□ - □□□ - □□ - G□ - E□

- 1 Gel sealed: U1-Upstream gel seal, U3-Downstream gel seal, U2-Flange-type gel seal (93 mm depth)
- 2 Airtight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream (neoprene rubber), EP1-Upstream, EP2-Both sides, EP3-Downstream (pharmaceutical industry EPDM material)
- 3 Faceguard: G0-None, G1-Downstream, G2-Both sides
- 4 Frame material: A-Aluminium
- 5 Dimensions: Width x Height x Depth (WxHxD), unit: mm
- 6 Efficiency: 99.995%@MPPS(H14), 99.9995%@MPPS(U15)
- 7 Manufacturer: MayAir
- 8 Type: High/ Ultra efficiency mini-pleated air filter (PAO gel sealed type)

Product Specifications: Top Gel Seal						
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Faceguard	Airflow (m ³ /h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)	
					H14	U15
23 x 23 x 3	570 x 570 x 80	Both Sides	470	0.45	120	140
47 x 23 x 3	1170 x 570 x 80		1,000	0.45	120	140
24 x 12 x 3	610 x 305 x 80		260	0.45	120	140
24 x 24 x 3	610 x 610 x 80		550	0.45	120	140
30 x 24 x 3	762 x 610 x 80		690	0.45	120	140
36 x 24 x 3	915 x 610 x 80		830	0.45	120	140
23 x 23 x 4	570 x 570 x 100		470	0.45	90	110
47 x 23 x 4	1170 x 570 x 100		1,000	0.45	90	110
24 x 12 x 4	610 x 305 x 100		260	0.45	90	110
24 x 24 x 4	610 x 610 x 100		550	0.45	90	110
30 x 24 x 4	762 x 610 x 100		690	0.45	90	110
36 x 24 x 4	915 x 610 x 100		830	0.45	90	110

- Remark:
1. Performance initial pressure drop tolerance is ±10%
 2. Special dimensions available upon request

Product Specifications: Side Gel Seal							
Nominal Dimensions W x H x D (Inch)	Internal Dimensios W x H x D (mm)	External Dimensions (W+40) x (H+40) x D (mm)	Faceguard	Airflow (m ³ /h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)	
						H14	U15
23 x 23 x 4	570 x 570 x 93	610 x 610 x 93	Both Sides	470	0.45	90	110
48 x 23 x 4	1170 x 570 x 93	1210 x 610 x 93		1,000	0.45	90	110
24 x 12 x 4	610 x 305 x 93	650 x 345 x 93		260	0.45	90	110
24 x 24 x 4	610 x 610 x 93	650 x 650 x 93		550	0.45	90	110
30 x 24 x 4	762 x 610 x 93	802 x 650 x 93		690	0.45	90	110
36 x 24 x 4	915 x 610 x 93	955 x 650 x 93		830	0.45	90	110

- Remark:
1. Performance initial pressure drop tolerance is ±10%
 2. Special dimensions available upon request

M-HII/ M-UII - KE

HEPA/ ULTRA EFFICIENCY MINI-PLEATED AIR FILTER (KNIFE EDGE TYPE)



PRODUCT FEATURES

- Mini-pleated design to reduce operating costs
- Ultra-thin design for space-saving installation
- Compatible with gel seal frames for easy installation
- Structural design allows use as an FFU edge frame

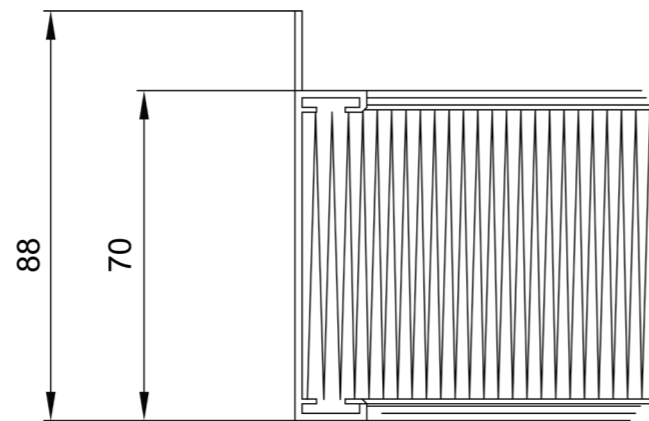
APPLICATIONS

- Widely used in cleanrooms and other fields with strict requirements for air cleanliness.

EFFICIENCY

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)
- 99.9995%@MPPS(U15), 99.99995%@MPPS(U16)

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Frame	Anodized Aluminium profiles
Filter Depth	88mm / 110mm / 130mm
Filter Material	Ultra-fine fiberglass
Separator	Hot melt adhesive
Sealant	Polyurethane
Faceguard	Powder-coated steel faceguard

Applicable Conditions	
Maximum Temperature	70°C (158°F)

NAME SPECIFICATION

□□ - 01 - □□□ - □□□ - □□ - G□ - E□ - GS

- 1 Knife-edge seal, GS1-Upstream knife-edge, GS3-Downstream knife-edge
- 2 Airtight gasket: E0-None, E1-Upstream, E2-Both sides, E3-Downstream (neoprene rubber), EP1-Upstream, EP2-Both sides, EP3-Downstream (pharmaceutical industry EPDM material)
- 3 Faceguard: G0-None, G1-Downstream, G2-Both sides
- 4 Frame material: A-Aluminium
- 5 Dimensions: Width x Height x Dept (WxHxD), unit: mm
- 6 Efficiency: H13, H14, U15, U16
- 7 Manufacturer: Mayair
- 8 Type: Hepa/ Ultra efficiency mini pleated air filter (knife edge type)

Product Specifications								
Nominal Dimensions W x H x D (Inch)	Actual Dimensions W x H x D (mm)	Faceguard	Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)			
					H13	H14	U15	U16
24 x 24 x 4	570 x 570 x 88	Both sides	470	0.45	100	110	120	140
47 x 24 x 4	1170 x 570 x 88		1,000	0.45	100	110	120	140
24 x 12 x 4	610 x 305 x 88		260	0.45	100	110	120	140
24 x 24 x 4	610 x 610 x 88		550	0.45	100	110	120	140
30 x 24 x 4	762 x 610 x 88		690	0.45	100	110	120	140
36 x 24 x 4	915 x 610 x 88		830	0.45	100	110	120	140
47 x 35 x 4	1170 x 870 x 88		1,550	0.45	100	110	120	140
47 x 47 x 4	1170 x 1170 x 88		2,100	0.45	100	110	120	140
24 x 24 x 5	570 x 570 x 110		470	0.45	75	80	90	110
47 x 24 x 5	1170 x 570 x 110		1,000	0.45	75	80	90	110
24 x 12 x 5	610 x 305 x 110		260	0.45	75	80	90	110
24 x 24 x 5	610 x 610 x 110		550	0.45	75	80	90	110
30 x 24 x 5	762 x 610 x 110		690	0.45	75	80	90	110
36 x 24 x 5	915 x 610 x 110		830	0.45	75	80	90	110
47 x 35 x 5	1170 x 870 x 110		1,550	0.45	75	80	90	110
47 x 47 x 5	1170 x 1170 x 110		2,100	0.45	75	80	90	110
24 x 24 x 5	570 x 570 x 110	470	0.45	60	65	70	85	
47 x 24 x 6	1170 x 570 x 130	1,000	0.45	60	65	70	85	
24 x 12 x 6	610 x 305 x 130	260	0.45	60	65	70	85	
24 x 24 x 6	610 x 610 x 130	550	0.45	60	65	70	85	
30 x 24 x 6	762 x 610 x 130	690	0.45	60	65	70	85	
36 x 24 x 6	915 x 610 x 130	830	0.45	60	65	70	85	
47 x 35 x 6	1170 x 870 x 130	1,550	0.45	60	65	70	85	
47 x 47 x 6	1170 x 1170 x 130	2,100	0.45	60	65	70	85	

Remark:
 1. Performance initial pressure drop tolerance is ±10%
 2. Special dimensions available upon request

AUTOROLL STRAIGHT/ V-SHAPED AUTOROLL FILTER



PRODUCT FEATURES

- Automatic media replacement
- Differential pressure control
- Modular design
- Simple and robust construction
- All-metal construction ensures durability and reliable operation in harsh environments; intelligent media replacement system adapts to complex airflow conditions, reducing energy consumption and labor while ensuring stable and cost-effective operation

PRODUCT STRUCTURE DESCRIPTION

- Differential Pressure Monitoring:**
The system monitors filter loading through differential pressure. When the preset threshold is reached, filter replacement is required, preventing overuse and ensuring efficient and economical operation.
- Time / Differential Pressure Dual Control:**
Supports both timer-based and differential pressure-based replacement, preventing premature saturation of the filtration media.
- Filter Replacement Indicator:**
When the filter approaches the end of its service life, an indicator provides a clear signal for timely replacement.
- Modular Design:**
Each module can operate independently or be combined with multiple units, offering flexible configuration for large airflow requirements.

List of Materials	
Frame	Powder-coated cold-rolled steel
Upper Filter Box	Sealed design ensures clean media remains uncontaminated
Lower Filter Roll	Contaminated media on the roll-formed filter surface
Control Cabinet	PLC / PCB control system and circuitry
Motor Drive Unit	Applicable voltage
	Power
Filter Material	Synthetic fiber (10 mm thickness, 15 m/roll)

Applicable Conditions	
Maximum Temperature	-10°C ~ +40°C

Control Functions Overview	
Standard Features	Power indicator
	Motor protection
	Filter media alarm indicator
	Manual / Automatic control
Optional Features	Pressure difference display
	Filter media alarm signal output (passive signal, dry contact)
	Motor operation / Fault signal output (passive signal, dry contact)

EFFICIENCY

- G3, G4

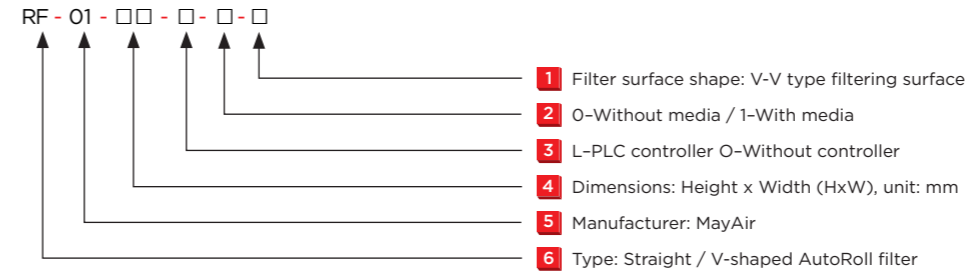
APPLICATIONS

- First-stage pre-filtering stage for industrial ventilation and air conditioning systems
- Working environment with high dust content, requiring frequent replacement of filter media
- Operating system with constant air volume

V-SHAPE DESIGN

- "V"-shaped media configuration increases effective media area while reducing pressure drop
- Patented sealing design for enhanced sealing performance
- Double effective media area with up to 50% lower initial pressure drop

NAME SPECIFICATION



Straight Auto Roll Filter	Overall filter width ft (mm)	Airflow (m ³ /h) Overall Height (ft / mm)									
		5(1,524)	6(1,829)	7(2,134)	8(2,438)	9(2,743)	10(3,048)	11(3,353)	12(3,658)	13(3,962)	14(4,267)
03(914)	8,766	11,083	13,399	15,709	18,025	20,342	22,659	24,976	27,285	29,602	31,918
04(1,219)	11,934	15,088	18,242	21,385	24,539	27,693	30,847	34,001	37,145	40,299	43,453
05(1,524)	15,101	19,092	23,084	27,062	31,053	35,044	39,036	43,027	47,005	50,996	54,987
06(1,829)	18,269	23,097	27,926	32,739	37,567	42,395	47,224	52,052	56,865	61,693	66,522
07(2,134)	20,710	26,183	31,657	37,112	42,586	48,059	53,533	59,006	64,462	69,936	75,409
08(2,438)	23,867	30,175	36,483	42,770	49,078	55,386	61,694	68,002	74,290	80,598	86,906
09(2,743)	27,035	34,180	41,325	48,447	55,592	62,738	69,883	77,028	84,150	91,295	98,440
10(3,048)	30,202	38,185	46,167	54,124	62,106	70,089	78,071	86,054	94,010	101,992	109,975
11(3,353)	33,370	42,190	51,010	59,800	68,620	77,440	86,259	95,079	103,870	112,690	121,509
12(3,658)	35,811	45,276	54,740	64,174	73,639	83,104	92,568	102,033	111,467	120,932	130,396
13(3,962)	38,968	49,268	59,567	69,832	80,131	90,431	100,730	111,029	121,295	131,594	141,893
14(4,267)	42,136	53,272	64,409	75,509	86,645	97,782	108,918	120,055	131,155	142,291	153,428
15(4,572)	45,304	57,277	69,251	81,186	93,159	105,133	117,107	129,080	141,015	152,988	164,962
16(4,877)	48,471	61,282	74,093	86,862	99,673	112,484	125,295	138,106	150,875	163,686	176,497
17(5,182)	51,639	65,287	78,935	92,539	106,187	119,835	133,483	147,131	160,735	174,383	188,031
18(5,486)	54,797	69,279	83,762	98,197	112,680	127,162	141,645	156,127	170,563	185,045	199,528
19(5,791)	57,964	73,284	88,604	103,874	119,193	134,513	149,833	165,153	180,423	195,742	211,062
20(6,090)	61,070	77,210	93,351	109,439	125,579	141,720	157,860	174,001	190,089	206,229	222,370
21(6,401)	64,300	81,294	98,288	115,227	132,221	149,215	166,210	183,204	200,143	217,137	234,131
22(6,706)	67,467	85,299	103,130	120,904	138,735	156,567	174,398	192,230	210,003	227,834	245,666
23(7,010)	70,625	89,291	107,957	126,562	145,228	163,894	182,560	201,226	219,830	238,496	257,162
24(7,315)	73,793	93,296	112,799	132,238	151,741	171,245	190,748	210,251	229,690	249,194	268,697

Ramark:
 1. Airflow values are calculated at a face velocity of 2.5 m/s
 2. For widths over 6 ft, multiple units are required
 3. Non-standard sizes are available upon request

V-Shaped Auto Roll Filter	Overall filter width ft (mm)	Airflow (m ³ /h) Overall Height (ft / mm)									
		5(1,524)	6(1,829)	7(2,134)	8(2,438)	9(2,743)	10(3,048)	11(3,353)	12(3,658)	13(3,962)	14(4,267)
03(914)	9,620	13,053	16,487	19,920	23,354	26,787	30,221	33,654	37,088	40,521	43,955
04(1,219)	13,134	17,822	22,509	27,197	31,884	36,572	41,259	45,947	50,634	55,322	60,011
05(1,524)	16,649	22,590	28,532	34,473	40,415	46,358	52,299	58,241	64,182	70,124	76,067
06(1,829)	20,162	27,359	34,554	41,750	48,947	56,142	63,338	70,533	77,730	84,926	92,123
07(2,134)	23,676	32,126	40,577	49,026	57,477	65,927	74,378	82,827	91,278	99,728	108,179
08(2,438)	27,191	36,894	46,599	56,303	66,008	75,713	85,416	95,121	104,825	114,530	124,235
09(2,743)	30,704	41,663	52,622	63,579	74,538	85,497	96,456	107,414	118,373	129,332	140,291
10(3,048)	34,218	46,431	58,644	70,857	83,069	95,282	107,495	119,708	131,921	144,132	156,347
11(3,353)	37,733	51,200	64,667	78,134	91,601	105,068	118,533	132,000	145,467	158,934	172,403
12(3,658)	41,246	55,968	70,689	85,410	100,131	114,852	129,573	144,294	159,015	173,736	188,459
13(3,962)	44,760	60,735	76,712	92,687	108,662	124,637	140,612	156,588	172,563	188,538	204,515
14(4,267)	48,275	65,504	82,734	99,963	117,192	134,423	151,652	168,881	186,110	203,340	220,571
15(4,572)	51,789	70,272	88,755	107,240	125,723	144,207	162,690	181,175	199,658	218,142	236,627
16(4,877)	55,302	75,041	94,778	114,516	134,255	153,992	173,730	193,467	213,206	232,943	252,681
17(5,182)	58,817	79,809	100,800	121,793	142,785	163,776	184,769	205,761	226,754	247,745	268,737
18(5,486)	62,331	84,576	106,823	129,069	151,316	173,562	195,809	218,054	240,300	262,547	284,793
19(5,791)	65,844	89,345	112,845	136,346	159,846	183,347	206,847	230,348	253,848	277,349	300,849
20(6,090)	69,359	94,113	118,868	143,622	168,377	193,131	217,887	242,640	267,396	292,151	316,905
21(6,401)	72,873	98,882	124,890	150,899	176,909	202,917	228,926	254,934	280,943	306,953	332,961
22(6,706)	76,386	103,650	130,913	158,175	185,439	212,702	239,964	267,228	294,491	321,755	349,017
23(7,010)	79,901	108,419	136,935	165,453	193,970	222,486	251,004	279,522	308,093	336,555	365,073
24(7,315)	83,415	113,186	142,958	172,730	202,500	232,272	262,043	291,815	321,587	351,357	381,129

Note: For widths over 6 ft, multiple units are required

M-EBOX

REPLACEABLE HIGH EFFICIENCY CEILING MODULE (MECHANICAL-SEALED TYPE)



PRODUCT FEATURES

- Replaceable structure
- Mechanical seal for better sealing performance
- Meets on-site cleanliness requirements
- Strong versatility

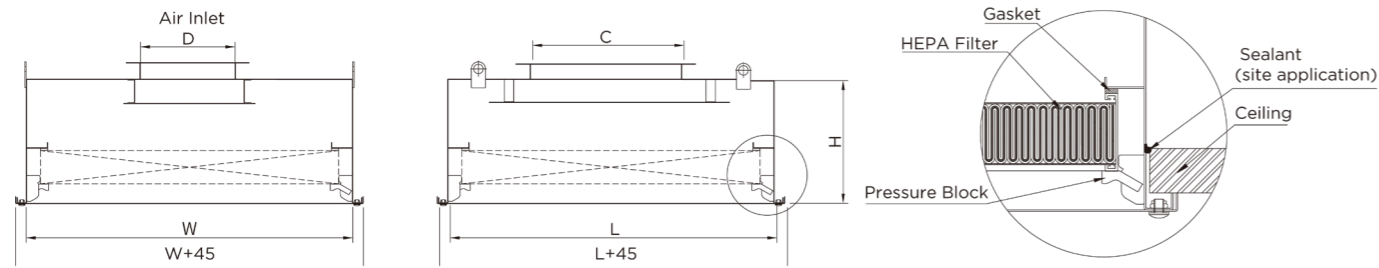
EFFICIENCY

- 99.95%@MPPS(H13), 99.995%@MPPS(H14)

APPLICATIONS

- Specially used in the electronics industry, photovoltaic solar energy industry, food industry, etc., in laboratories or clean rooms.

PRODUCT STRUCTURE DESCRIPTION



List of Materials	
Casing	Powder-coated cold-rolled steel / Stainless steel (SUS304)
Inlet collar	Powder-coated cold-rolled steel / Stainless steel (SUS304)
Equalizing plate	Powder-coated cold-rolled steel perforated plate / Stainless steel perforated plate (SUS304) / Powder-coated aluminum perforated plate
Clamping block	ABS / PA6
Faceguard	Powder-coated cold-rolled steel / Stainless steel (SUS304) / Powder-coated aluminium
Damper	Powder-coated cold-rolled steel / Stainless steel (SUS304)
Insulation	PE
Hepa Filter	Refer to MayAir HEPA filter catalogue

Applicable Conditions	
Maximum Temperature	-20°C ~ 63°C

NAME SPECIFICATION

HB - 01 - □□□ - □□□ - □□□ - □□□ - □□□ - □□□ - □□□

- 1T-One test port, 2T-One aerosol injection ring, one test port
- HP-With insulation X-Without insulation
- V1-Top-mounted damper, V2-Bottom-mounted damper, X-Without damper
- O1-Circular top, O2-Circular side, O3-Square top, O4-Square side
- Y1-Perforated flat faceguard, Y2-Louvered flat faceguard, T-Downward convex faceguard, S-Swirl-type faceguard, X-Without faceguard
- A-Inward flange, B-Outward flange
- SS (SUS304), SP (SPCC)-Powder-coated cold-rolled steel, AL-Aluminium
- Dimensions: Length x Width x Height (LxWxH), unit: mm
- Manufacturer: MayAir
- 10 Type: Replaceable high efficiency ceiling module (mechanical-sealed type)

Inlet Collar and Damper Height		
Diameter (mm)	Inlet Collar Height (mm)	Damper Height (mm)
Φ250	60	230
Φ250	60	280
Φ250	60	330
Φ250	60	430

Product Specification							
Filter Dimensions W x H x D (mm)	Housing Dimensions (Top Supply) L x W x H (mm)	Housing Dimensions (Side Air Supply) L x W x H (mm)	Airflow (CMH)	Rectangular Flange (mm)	Circular Flange (Top Supply) (mm)	Filter Initial Pressure Drop (Pa)	
						H13 (99.95%@MPPS)	H14 (99.995%@MPPS)
380 x 380 x 70	440 x 440 x 260	440 x 440 x 430	500	200 x 200	Φ200	≤250	≤270
380 x 380 x 90	440 x 440 x 260	440 x 440 x 430	500	200 x 200	Φ200	≤200	≤210
530 x 530 x 70	590 x 590 x 260	590 x 590 x 430	1,000	320 x 200	Φ200	≤250	≤270
530 x 530 x 90	590 x 590 x 260	590 x 590 x 430	1,000	320 x 200	Φ200	≤200	≤210
630 x 630 x 70	690 x 690 x 260	690 x 690 x 480	1,500	320 x 250	Φ200	≤250	≤270
630 x 630 x 90	690 x 690 x 260	690 x 690 x 480	1,500	320 x 250	Φ200	≤200	≤210
915 x 610 x 70	975 x 670 x 260	975 x 670 x 480	2,000	400 x 250	Φ200	≤250	≤270
915 x 610 x 90	975 x 670 x 260	975 x 670 x 480	2,000	400 x 250	Φ200	≤200	≤210

Remark:
 1. Side air supply type is available with rectangular flange only.
 2. The performance initial pressure drop tolerance is ±10%.

M-CT CLEAN BOOTH TENT



PRODUCT INTRODUCTION

- A cleanroom tent, also known as a dust-free workstation, provides a simplified cleanroom environment. It is mainly used in areas where high cleanliness is required, reducing costs and improving product yield. Its main features include ease of use, easy installation, short construction period, and excellent mobility

APPLICATIONS

- Factory process improvements require local high cleanliness
- Precision machinery equipment requires local high cleanliness protection
- Upgrades production lines by enhancing cleanliness within existing cleanrooms
- Flexible requirements for process layout, for occasions where locations need to be frequently changed or adjusted
- Assembly, testing, and packaging of products requiring cleanliness

PRODUCT FEATURES

- Achieves a clean workshop environment with minimal cost and short construction time
- Offers additional purification to achieve higher cleanliness levels within existing cleanrooms, meeting specific process needs
- Strong mobility: can be flexibly moved to any required location
- Strong reusability: when not in use, it can be disassembled and reassembled at any other required location, easily realizing changes in process points
- Stable performance, convenient control, and good appearance
- Customizable in various sizes according to customer requirements

List of Materials	
Control Cabinet	Powder-coated steel
FFU - Sheet Metal Material	Aluzinc steel / Aluminium / Stainless steel (SUS304) / Mirror-finish stainless steel (SUS430)
Cleanroom light	Integrated teardrop cleanroom light
Soft Curtain	Standard PVC / Anti-static PVC
Blind panel	Powder-coated steel
Frame Pillar	Aluminium / Stainless steel
Casters	Metal bracket with nylon casters (360° swivel or with leveling support)
Adjustable Feet	Stainless steel
Triangular Support Brackets	Powder-coated steel

Technical Parameters	
Cleanliness	Class 100 / Class 10 / Class 1
Filtration Efficiency	H13-U16 (optional)
Power Supply	AC 1-phase 220 V, 50 Hz
Air Velocity	0.2-0.6m/s

NAME SPECIFICATION

CT - 01 - □ - □□□ - □□

- 1 Frame material: AL-Aluminium + SPCC, SP-SPCC, S-SUS
- 2 Dimensions: Length x Width x Height (LxWxH), unit (mm)
- 3 Cleanliness level: 1-ISO Class 1, 2-ISO Class 2 ... 8-ISO Class 8 (Class 100,000)
- 4 Manufacturer: MayAir
- 5 Type: Clean booth tent

PRODUCT STRUCTURE DESCRIPTION

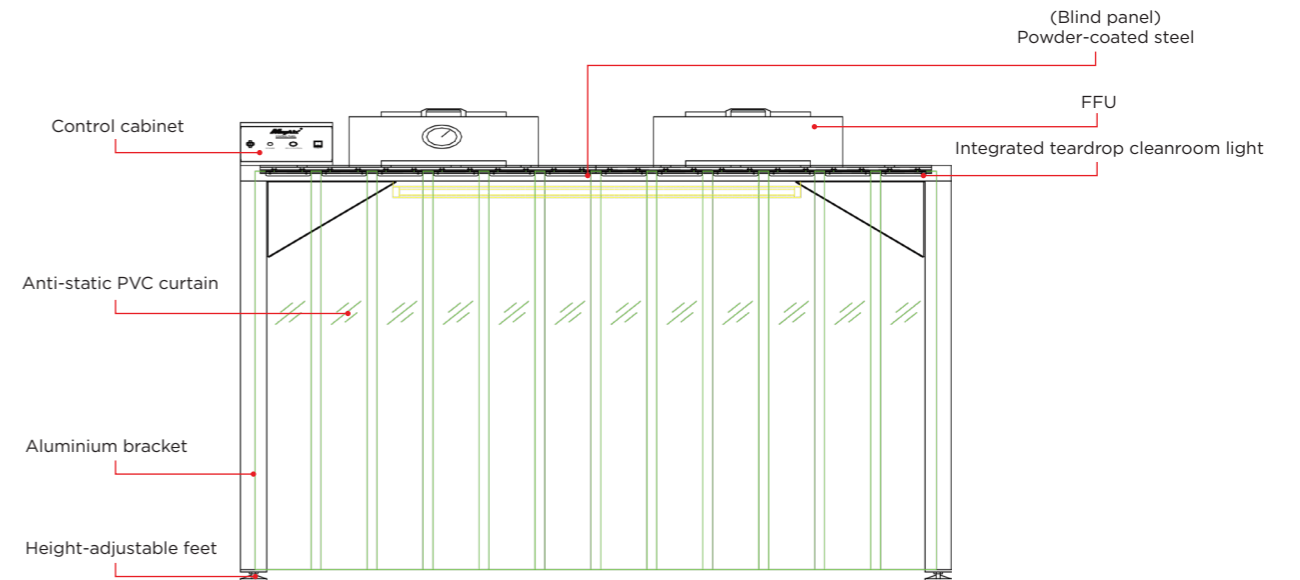
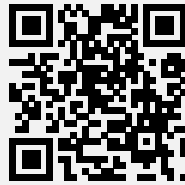


PHOTO OF THE ACTUAL PRODUCT





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