



MEDIUM EFFICIENCY AIR FILTER

Reliable Filtration Backbone,
Advancing Cleanliness to a Higher Level

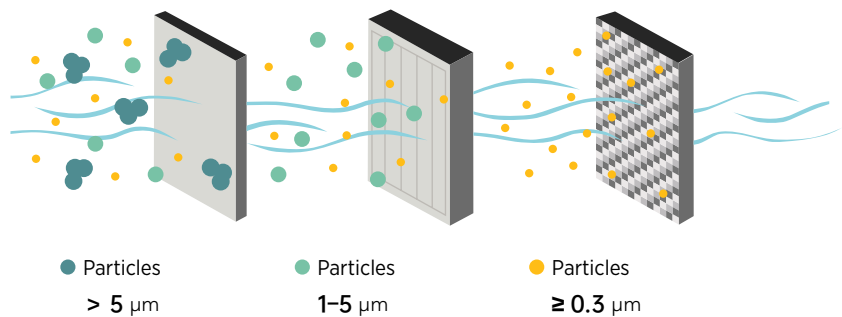


MEDIUM EFFICIENCY AIR FILTER



Introduction

Medium efficiency air filters are extensively used in central air conditioning and ventilation systems, as pre-filters for cleanrooms, and as intermediate stages in multi-stage filtration systems. They are primarily engineered to capture airborne particles within 1–5µm, thereby effectively enhancing air quality while protecting downstream high-efficiency air filters, and extending their service life.



Filters 1–5 µm particles



Versatile structural designs:
panel, bag, and modular types



Handles high airflow with low resistance



Large filtration area and extended service life



Filtration Grade:
Medium Efficiency M5-M6, High-Medium Efficiency F7-F9



Compliant with EN 779:2012 standard

ONE-STOP CLEANROOM SYSTEM SOLUTION PROVIDER



Synthetic Fibre

Polyester synthetic fiber is a stable non-woven fabric material with excellent classification filtration capacity and high dust holding capacity, and is widely used in medium-efficiency air filters. Its fiber structure is uniform, capable of effectively capturing particles ranging from 1 to 5µm. It features low resistance, strong processability, and is not prone to deformation.

It is suitable for intermediate filtration in central air conditioning, fresh air systems, and industrial ventilation systems.



Classification

- Medium Efficiency Panel Air Filter
- Medium Efficiency Non-Woven Bag Filter
- Synthetic Fiber Bag Filter
- Medium Efficiency Glass Fiber Bag Type Air Filter
- Medium Efficiency Min-pleat V-Type Air Filter
- Medium Efficiency Separator Air Filter

Medium Efficiency Panel Air Filter

Product Range

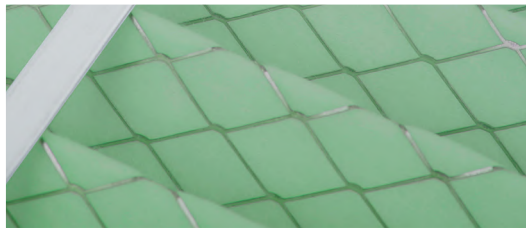
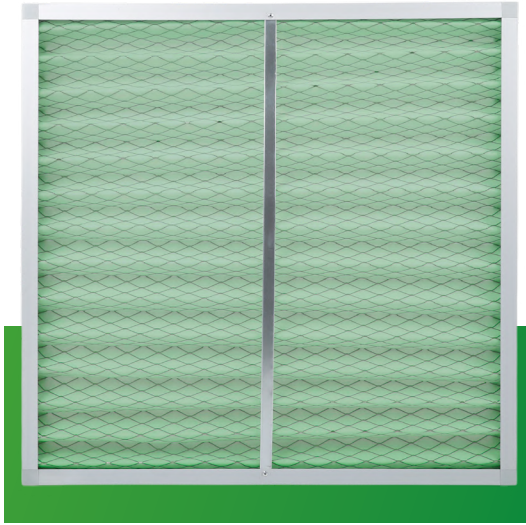


Applications

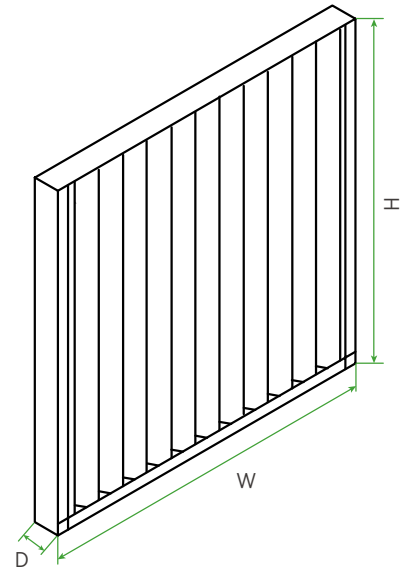


Filter Class

M F MERV



Structural Diagram



Specifications



■ Frame

Galvanized sheet, aluminum alloy, stainless steel.

■ Filter media

Specially engineered high flow, low resistance chemical fiber fabric.

■ Filtration grade

M5-F8

■ Standard

EN 779:2012

Applications



- Central air conditioning air supply systems in shopping malls, hospitals, and similar environments.
- Centralized ventilation systems for general industrial facilities.
- Pre-filtration for dedicated outdoor air systems in cleanrooms.

Data Sheet



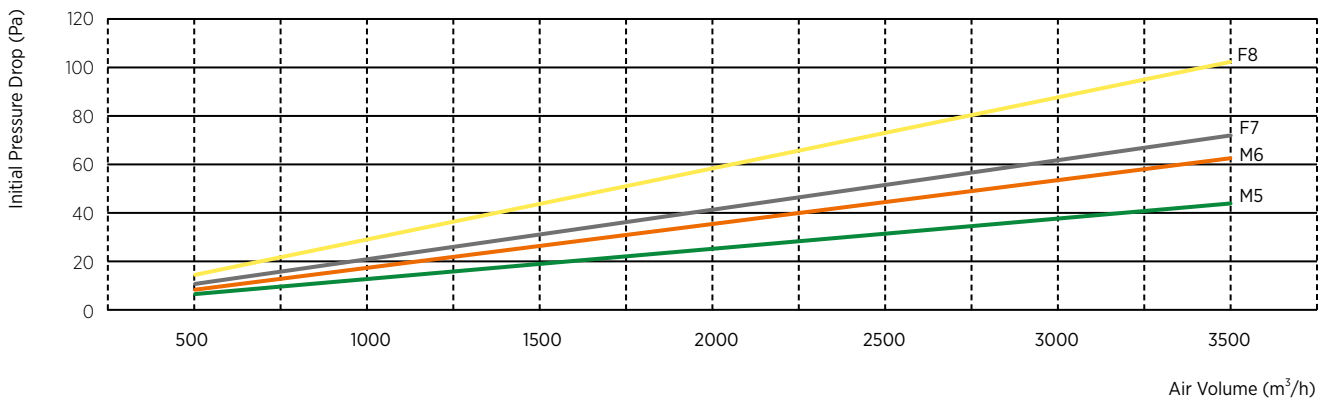
Model	Overall Dimensions (W × H × D) (mm)	Filtration Area (m ²)	Rated Airflow (m ³ /h)	Initial Pressure Drop(Pa)			
				M5	M6	F7	F8
JAFMP-2546	290 × 595 × 46	0.46	250	40	60	70	100
JAFMP-4069	290 × 595 × 69	0.70	400				
JAFMP-5090	290 × 595 × 90	0.90	500				
JAFMP-7969	595 × 595 × 69	1.40	790				
JAFMP-5046	595 × 595 × 46	0.90	500				
JAFMP-85150	290 × 595 × 150	1.50	850				
JAFMP-10090	595 × 595 × 90	1.80	1000				
JAFMP-170150	595 × 595 × 150	3.00	1700				
JAFMP-170292	290 × 595 × 292	3.00	1700				
JAFMP-340292	595 × 595 × 292	6.00	3400				

Note: Special specifications can be customized.

Initial Pressure Drop and Airflow Performance Curve



JAFMP-340292



Medium Efficiency Non-Woven Bag Filter

Product Range

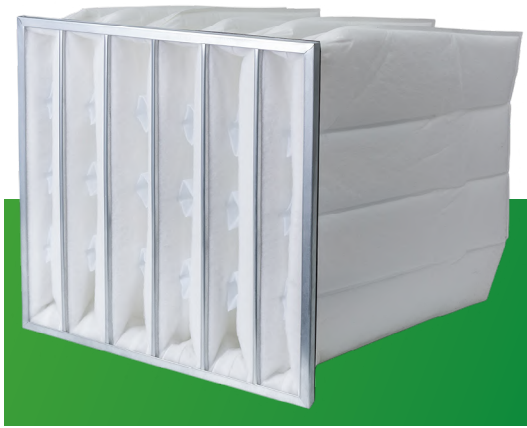


Applications

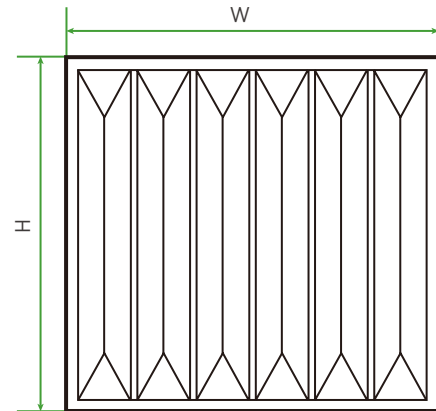


Filter Class

M F MERV



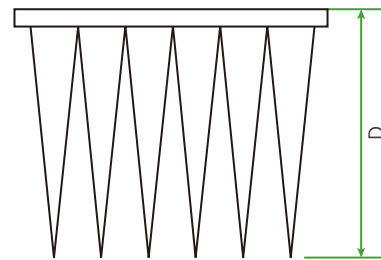
Structural Diagram



Specifications



- **Frame**
Galvanized steel sheet, aluminum alloy, stainless steel, plastic.
- **Filter media**
Specially engineered polyester synthetic fiber.
- **Filtration grade**
M5-F8
- **Standard**
EN 779:2012



Applications



Used in centralized ventilation systems of public service areas such as shopping malls and hospitals, as well as in industrial facilities like electronics and biopharmaceutical plants, and dedicated outdoor air systems for cleanrooms.

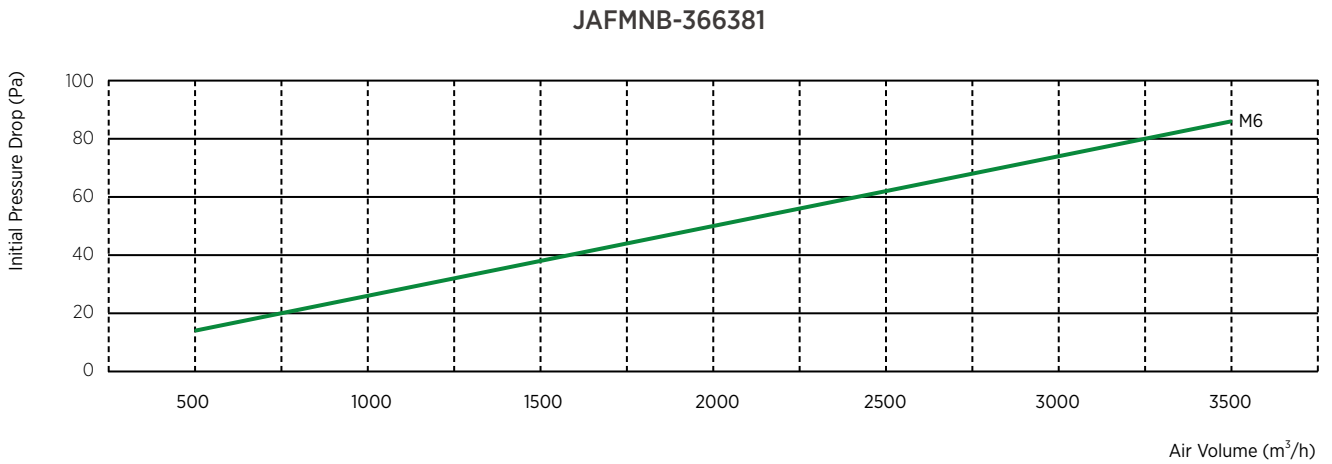
Data Sheet



Model	Overall Dimensions (W × H × D) (mm)	Number of Bags	Filtration Area (m ²)	Rated Airflow (m ³ /h)	Initial Pressure Drop (Pa)
					M6
JAFMNB-183381	287 × 592 × 381	3	1.6	1800	85
JAFMNB-273600	287 × 592 × 600	3	2.5	2700	
JAFMNB-275600	490 × 592 × 600	5	4.2	2700	
JAFMNB-305381	490 × 592 × 381	5	2.3	3000	
JAFMNB-366381	592 × 592 × 381	6	3.3	3600	
JAFMNB-546600	592 × 592 × 600	6	5.0	5400	

Note: Special specifications can be customized.

Initial Pressure Drop and Airflow Performance Curve



Synthetic Fiber Bag Filter

Product Range



Mid-grade

Applications

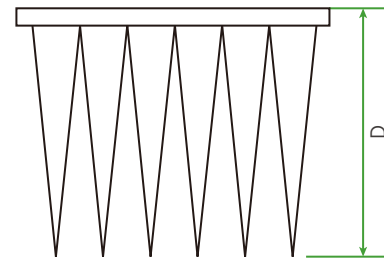
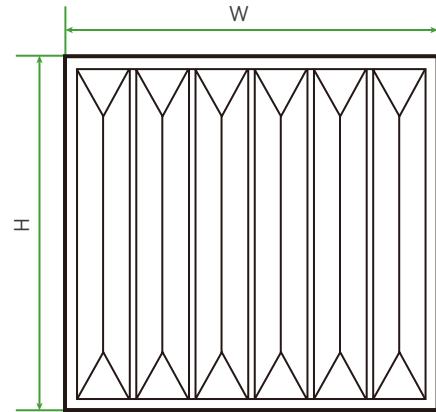


Filter Class

M F MERV



Structural Diagram



Specifications



■ Frame material

Aluminum alloy, stainless steel, galvanized steel sheet, plastic.

■ Filter media

Specially engineered high throughput, low resistance chemical fiber fabric.

■ Filtration grade

M5-F9

■ Test standard

EN 779:2012

Applications



Used in centralized ventilation systems of public service areas such as shopping malls and hospitals, as well as in industrial facilities like electronics and biopharmaceutical plants, and dedicated outdoor air systems for cleanrooms.

Data Sheet



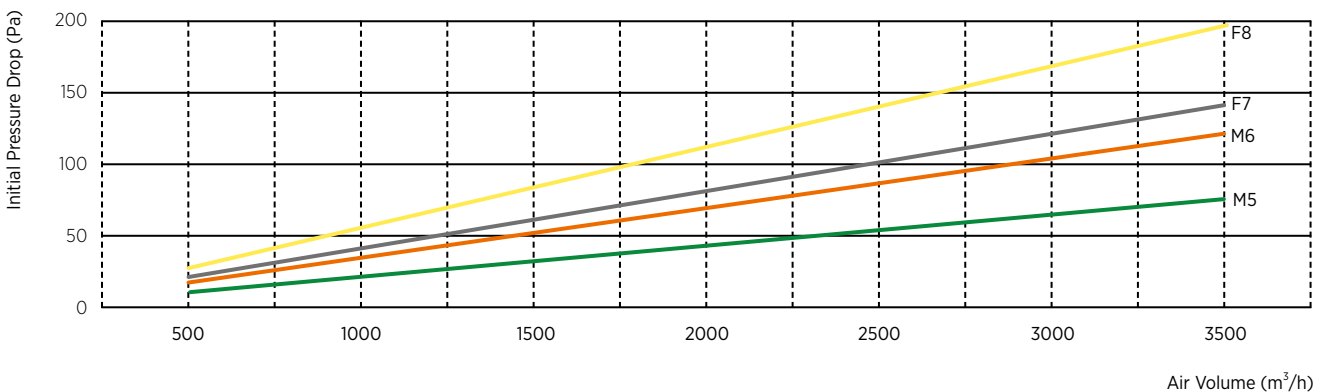
Model	Overall Dimensions (W × H × D) (mm)	Number of Bags	Filtration Area (m ²)	Rated Airflow (m ³ /h) @ Initial Pressure Drop (Pa)									
				M5		M6		F7		F8		F9	
JAFFSB-313	287 × 592 × 300	3	1.3	1700	95	1275	109	850	85	850	123	850	133
JAFFSB-316	287 × 592 × 381		75		85		1275	91	1275	145	1275	155	
JAFFSB-323	287 × 592 × 550		53		81	94		102		112			
JAFFSB-325	287 × 592 × 600		50		76	1700	89	96	106				
JAFFSB-417	287 × 592 × 300	4	1.7	1700	73	1700	111	1275	98	1275	141	1275	151
JAFFSB-421	287 × 592 × 381		59		90		1700	106	1700		114		1700
JAFFSB-430	287 × 592 × 550		41		62	1700		73		104	114		
JAFFSB-432	287 × 592 × 600		38		58	68	98	108					
JAFFSB-518	490 × 490 × 300	5	1.8	2550	67	1700	105	1700	123	850	89	850	99
JAFFSB-523	490 × 490 × 381		81		82		96		1700	139	1700	149	
JAFFSB-533	490 × 490 × 550		57		86	2550	101	2550	148	2550	158		
JAFFSB-535	490 × 490 × 600		53		81		95	1700	137		147		
JAFFSB-626	592 × 592 × 300	6	2.6	3400	95	2550	109	1700	85	1700	123	1700	133
JAFFSB-649	592 × 592 × 381		75		86		2500	101	2550	145	2550	155	
JAFFSB-633	592 × 592 × 550		53		81	3400	94	2550	102	2550		112	
JAFFSB-630	592 × 592 × 600		50		76		89		96		106		
JAFFSB-734	592 × 592 × 300	7	3.4	3400	73	3400	111	2550	98	2550	141	2550	151
JAFFSB-742	592 × 592 × 381		59		90		3400	106	3400		114		3400
JAFFSB-761	592 × 592 × 550		41		62	3400		73		104	114		
JAFFSB-765	592 × 592 × 600		38		58	68	98	108					

Note: Special specifications can be customized.

Initial Pressure Drop and Airflow Performance Curve



JAFFSB-649



Medium Efficiency Glass Fiber Bag Type Air Filter

Product Range



Applications

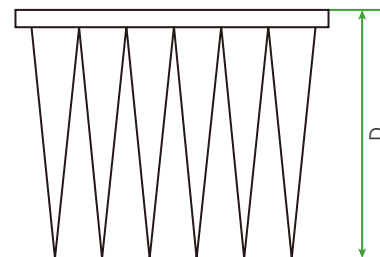
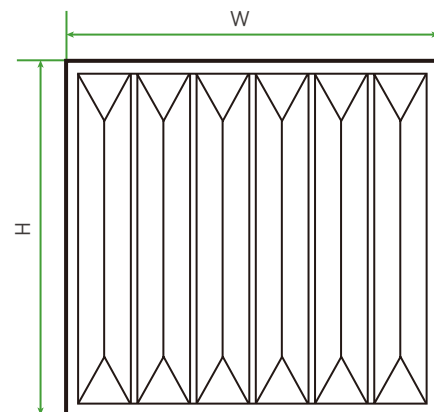


Filter Class

M F MERV



Structural Diagram



Specifications



- **Frame material**
Aluminum alloy, stainless steel, galvanized steel sheet, plastic.
- **Filter media**
Special high flow, low resistance synthetic fiber fabric.
- **Temperature resistance**
 $\leq 200^{\circ}\text{C}$
- **Filtration grade**
M5-F8
- **Test standard**
EN 779:2012

Applications



Used in centralized ventilation systems of public service areas such as shopping malls and hospitals, as well as in industrial facilities like electronics and biopharmaceutical plants, and dedicated outdoor air systems for cleanrooms.

Data Sheet



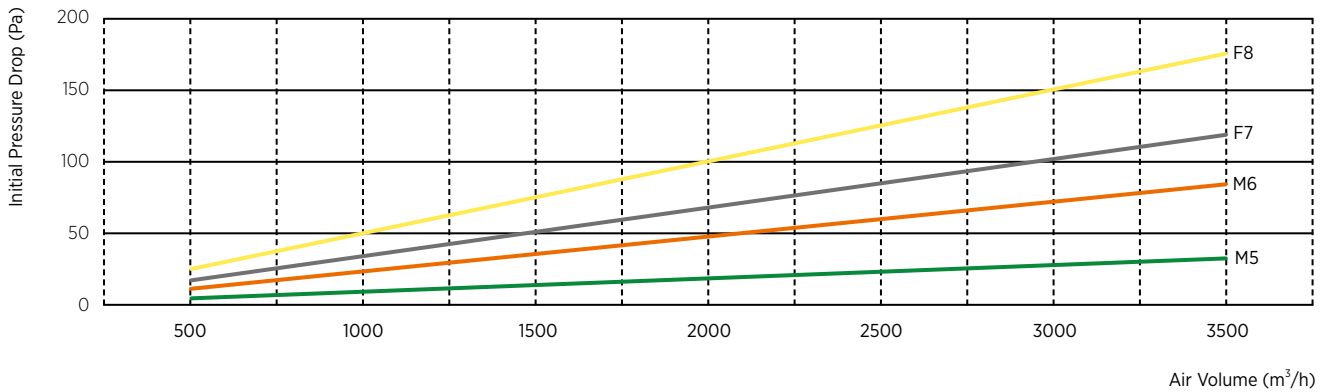
Model	Overall Dimensions (W × H × D) (mm)	Number of Bags	Filtration Area (m ²)	Rated Airflow (m ³ /h) @ Initial Pressure Drop (Pa)							
				M5		M6		F7		F8	
JAFFFB-331	287 × 592 × 762	3	3.1	1700	44	1700	77	1700	125	1250	125
JAFFFB-323	287 × 592 × 558		2.3		53	1250	87	1250	135	850	105
JAFFFB-316	287 × 592 × 381		1.6		65	850	82	850	125	620	115
JAFFFB-545	492 × 492 × 762	5	5	2300	44	2550	70	2550	115	2100	125
JAFFFB-533	492 × 492 × 558		3.3		53		107	2100	140	1250	115
JAFFFB-523	492 × 492 × 381		2.3		65	1700	102	1250	130	850	110
JAFFFB-553	492 × 592 × 762	5	5	2800	44	3000	70	3000	115	2550	125
JAFFFB-539	492 × 592 × 558		3.9		53		107	2550	140	1500	115
JAFFFB-527	492 × 592 × 381		2.7		65	2100	102	1500	130	1000	110
JAFFFB-664	592 × 592 × 762	6	6	3400	44	3400	72	3400	120	2550	115
JAFFFB-647	592 × 592 × 558		4.7		53	2550	87	2550	130	1700	120
JAFFFB-633	592 × 592 × 381		3.3		65	1700	82	1700	125	1250	140
JAFFFB-882	592 × 592 × 762	8	8.2	4250	44	82	3400	3400	96	3400	125
JAFFFB-861	592 × 592 × 558		6.1		53	110	2550	2550	105	2550	125
JAFFFB-842	592 × 592 × 381		4.2		65	102	1700	1700	95	1700	140

Note: Special specifications can be customized.

Initial Pressure Drop and Airflow Performance Curve



JAFFFB-633



Medium Efficiency Min-pleat V-Type Air Filter

Product Range



Mid-grade

Applications

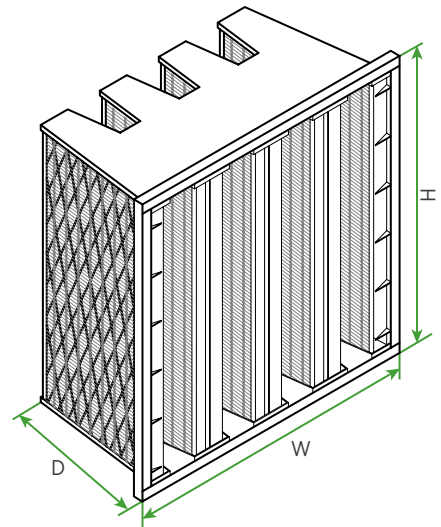


Filter Class

F | MERV



Structural Diagram



Specifications

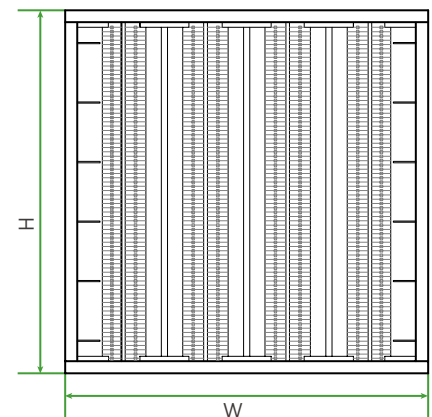
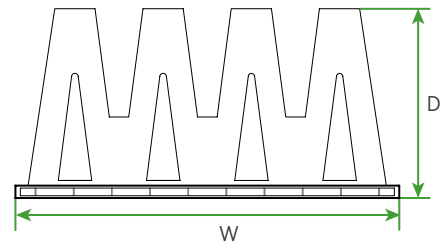


- Frame material**
Aluminum alloy, stainless steel, galvanized steel sheet.
- Separator**
Hot melt adhesive.
- Filter media**
Glass fiber filter paper or polypropylene filter paper.
- Filtration grade**
F8
- Test standard**
EN 1822:2009

Applications



Primarily used in high airflow air conditioning purification equipment, serving as intermediate and terminal filtration in air handling unit systems.



Data Sheet



Model	Overall Dimensions (W × H × D) (mm)	Frame	Filtration Area (m ²)	Rated Airflow (m ³ /h)	Initial Pressure Drop (Pa)
					F8
JAFFV-208	287 × 287 × 292	2V	4.2	800	≤115
JAFFV-212	287 × 490 × 292		7.7	1200	
JAFFV-216	287 × 592 × 292		9.4	1600	
JAFFV-311	490 × 287 × 292	3V	6.4	1100	
JAFFV-319	490 × 490 × 292		11.6	1900	
JAFFV-324	490 × 592 × 292		14.4	2400	
JAFFV-416	592 × 287 × 292	4V	8.4	1600	
JAFFV-425	592 × 490 × 292		15.4	2500	
JAFFV-432	592 × 592 × 292		18.8	3200	
JAFFV-518	592 × 287 × 292	5V	10.5	1800	
JAFFV-532	592 × 490 × 292		19.0	3200	
JAFFV-539	592 × 592 × 292		23.5	3900	

Note: Special specifications can be customized.

Medium Efficiency Separator Air Filter

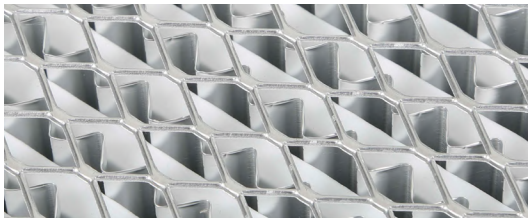
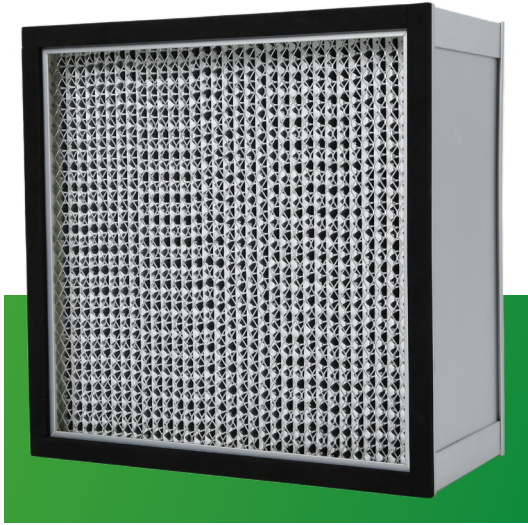
Product Range



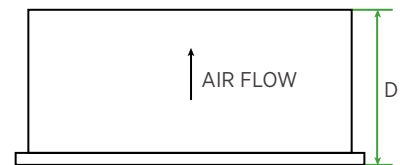
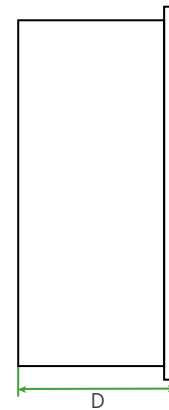
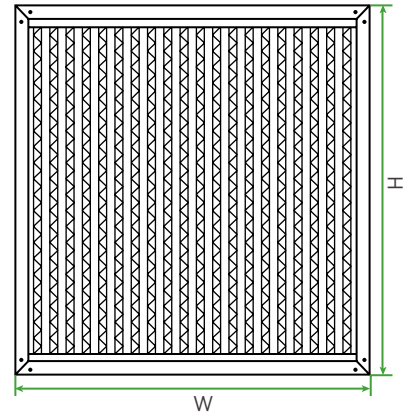
Applications



Filter Class



Structural Diagram



Specifications



- **Frame material**
Aluminum alloy, stainless steel, galvanized steel sheet.
- **Separator**
Aluminum foil or cardboard.
- **Filter media**
Ultrafine glass fiber.
- **Optional dual-sided protective mesh**
- **Filtration grade**
F8
- **Test standard**
EN 1822:2009

Applications



Used in environments requiring high cleanliness, such as electronics manufacturing, biopharmaceuticals, and hospitals.

**Data Sheet**

Model	Overall Dimensions (W × H × D) (mm)	Filtration Area (m ²)	Rated Airflow (m ³ /h)	Initial Pressure Drop (Pa)
				F8
JAFFS-3753.6	305 × 305 × 150	3.6	375	≤90
JAFFS-5256.1	320 × 320 × 220	6.1	525	
JAFFS-7507.5	305 × 610 × 150	7.5	750	
JAFFS-120012	315 × 630 × 220	12.0	1200	
JAFFS-150014	484 × 484 × 220	14.0	1500	
JAFFS-150015A	305 × 610 × 292	15.0	1500	
JAFFS-150015B	610 × 610 × 150	15.0	1500	
JAFFS-225023	915 × 610 × 150	23.0	2250	
JAFFS-225025	630 × 630 × 220	25.0	2250	
JAFFS-300029	968 × 484 × 220	29.0	3000	
JAFFS-300031A	610 × 610 × 292	31.0	3000	
JAFFS-300031B	1220 × 610 × 150	31.0	3000	
JAFFS-450050	1260 × 630 × 220	50.0	4500	

Note: Special specifications can be customized.

PureFlow

Hengshui Pureflow Tech Co., Ltd.

+86-13091189390 (WhatsApp & WeChat)

hugo@pureflowtec.com

www.pureflowtec.com



WeChat



WhatsApp