

### PRODUCT FEATURES

Frame: Cardboard frame, Extruded aluminum frame, Galvanized steel frame  
 Filter media: Non-woven fabric (Polyester), Blended cotton  
 Face net: Spot-welded mesh, Expanded mesh  
 Efficiency: 30–35%



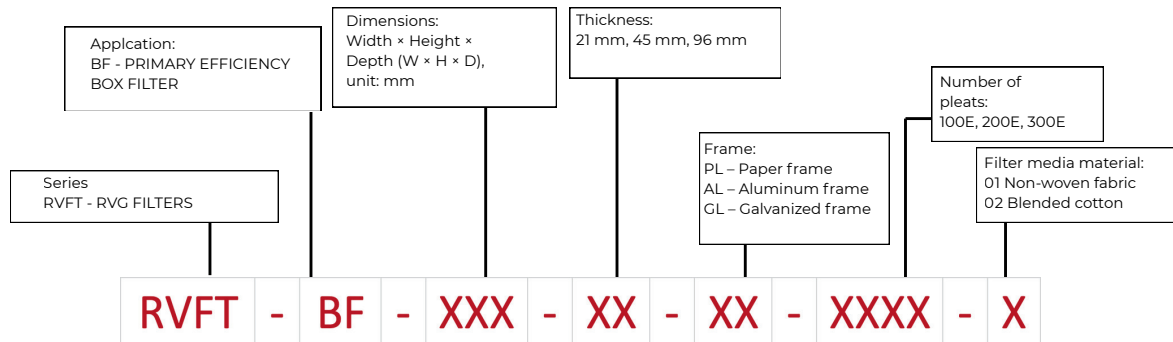
### OPERATING CONDITIONS

Maximum temperature: 70°C (Temperature < 70°C)  
 Maximum humidity: 90% RH (Relative Humidity ≤ 90%)

### APPLICATION

Used for primary filtration in commercial and industrial ventilation and air-conditioning systems, central air-conditioning systems, and cleanroom-related industries.

### NOMENCLATURE



### TECHNICAL PARAMETERS

WXHXD (inch)	WXHXD (mm)	Area (m <sup>2</sup> )	Airflow (CMH)	Initial Pressure (Pa)	Air Flow (CMH)	Initial Pressure (Pa)
12x24x1	290x594x21	0.28	930	80	1550	130
20x20x1	496x496x21	0.39	1330		2200	
20x24x1	493x594x21	0.47	1600		2650	
20x25x1	493x623x21	0.49	1660		2760	
24x24x1	594x594x21	0.56	1900		3175	
12x24x2	290x594x45	0.46	930	50	1550	80
20x20x2	496x496x45	0.61	1330		2200	
20x24x2	493x594x45	0.72	1600		2650	
20x25x2	493x623x45	0.76	1660		2760	
24x24x2	594x594x45	0.92	1900		3175	
12x24x4	290x593x96	0.84	930	40	1550	65
20x20x4	496x496x96	1.17	1330		2200	
20x24x4	493x594x96	1.4	1600		2650	
20x25x4	493x623x96	1.46	1660		2760	
24x24x4	594x594x96	1.68	1900		3175	
Recommended final pressure drop: 200 Pa						

Remarks: Initial resistance tolerance: ±15%; Custom sizes are available.

### PRODUCT FEATURES

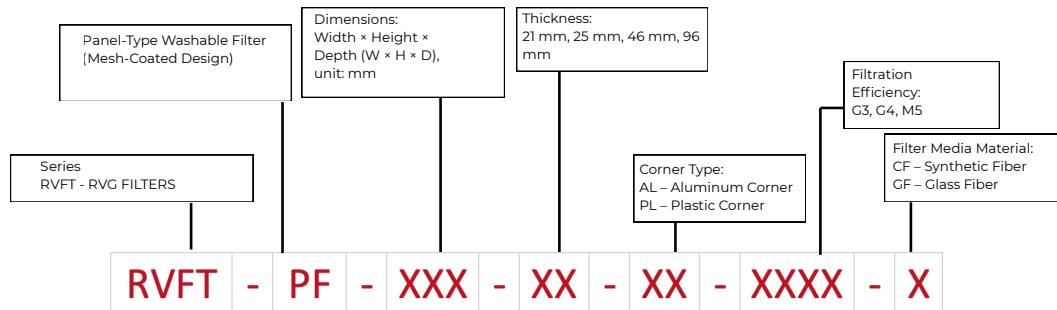
1. Low resistance (low pressure drop):
2. Adopts a panel-type aluminum alloy frame with ABS plastic corners or aluminum alloy corners;
3. Uses mesh-covered polyester fiber filter media, providing lower resistance and higher dust-holding capacity.



### OPERATING CONDITIONS

- Maximum temperature: 93°C (Temperature ≤ 93°C)
- Maximum humidity: 100% RH (Relative Humidity ≤ 100% RH)

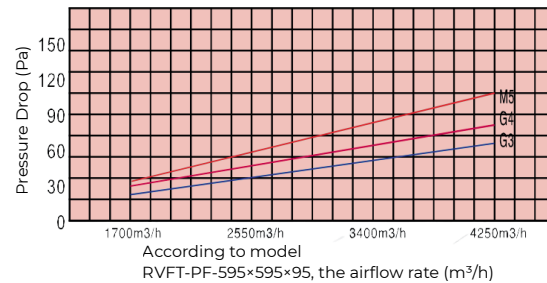
### NOMENCLATURE



### MATERIALS

Frame	Aluminium alloy
Frame optional thickness	21mm 25mm 46mm 96mm
Filter	High-quality synthetic fiber
Connecting angle	Strong resistance to high temperature ABS plastic angle/aluminum alloy angle
Stiffener	Galvanized square wire mesh

### INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



### TECHNICAL PARAMETERS

Nominal Size (inch)	Actual Size (mm)	Efficiency (En779)	Rated Airflow m³/h	Initial Pressure Drop at Different Airflow Rates (Pa)			Recommended Final Pressure Drop Pa
				70%	100%	120%	
12×24×2	290 x 595 x 46	G2	1700	25	40	55	Initial pressure drop: 2–2.5 times
20 x 24 x2	490 x 595 x 46	G2	2800	25	40	55	
24x24x2	595 x 595 x 46	G2	3400	25	40	55	
12×24×2	290 x 595 x 46	G3	1700	35	55	70	
20×24×2	490 x 595 x 46	G3	2800	35	55	70	
24×24×2	595 x 595 x 46	G3	3400	35	55	70	
20×24×2	290 x 595 x 46	G4	1700	45	70	95	
20×24×2	490 x 595 x46	G4	2800	45	70	95	
20×24x2	595 x 595 x 46	G4	3400	45	70	95	

Remarks:: Initial resistance tolerance: ±15%; Custom sizes are available.

### PRODUCT FEATURES

1. Efficiency: 35%
2. Filter Class: G2 / G3 / G4 / M5 (as per EN779 standard)
3. Detachable frame design
4. Washable high-quality filter media (recommended to wash 2-3 times)
5. Reinforced support mesh is used to further enhance the structural strength of the filter
6. The filter media is made of high-quality synthetic polyester fibers with a fluffy gradient-density structure, ensuring a large dust-holding capacity



### OPERATING CONDITIONS

- Maximum Operating Temperature:  $\leq 70^{\circ}\text{C}$
- Maximum Operating Humidity: 90% RH

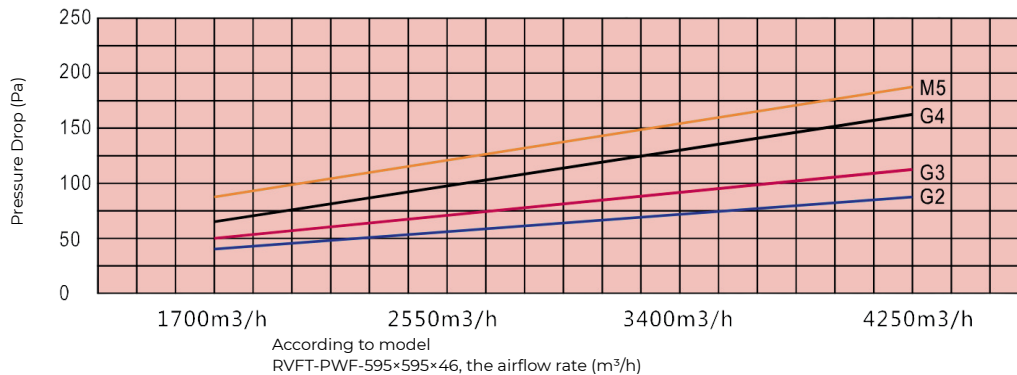
### APPLICATIONS

- Pre-filtration for air conditioning and ventilation systems
- Centralized HVAC and return air filtration for cleanroom systems
- Coarse dust filtration for general building air conditioning systems

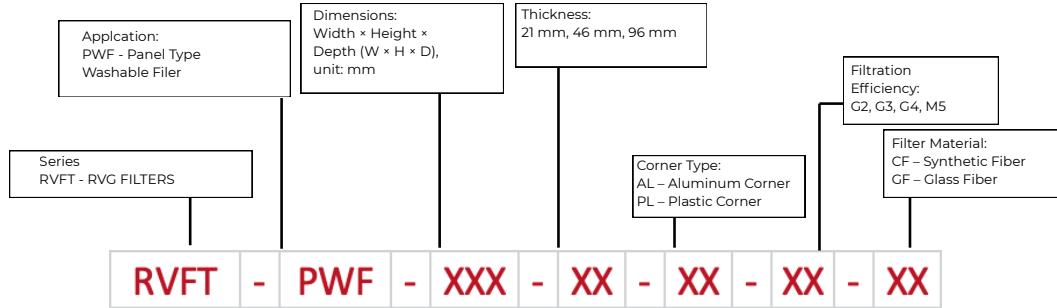
### MATERIALS

Frame	(Aluminum alloy / stainless steel / galvanized iron (GI))
Frame optional thickness	21mm.46mm.96mm
Filter	The high quality polyester synthetic fibre)
Stiffener	Galvanized iron wire /spray)
Connecting angle	(Strong resistance to high temperature ABS plastic corner / aluminum alloy angle)

### INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



### NOMENCLATURE



### TECHNICAL PARAMETERS

Nominal Size (inch)	Actual Size (mm)	Efficiency (En779)	Rated Airflow m3/h	Initial Pressure Drop at Different Airflow Rates (Pa)			Recommended Final Pressure Drop Pa
				70%	100%	120%	
12x24x2	287x592x46	G2	1700	45	70	100	Initial pressure drop: 2-2.5 times
20x24x2	490x592x46	G2	2800	45	70	100	
24x24x2	592x592x46	G2	3400	45	70	100	
12x24x2	287x592x46	G3	1700	65	95	135	
20x24x2	490x592x46	G3	2800	65	95	135	
24x24x2	592x592x46	G3	3400	65	95	135	
12x24x2	287x592x46	G4	1700	85	130	175	
20x24x2	490x592x46	G4	2800	85	130	175	
24x24x2	592x592x46	G4	3400	85	130	175	
12x24x2	287x592x46	F5	1700	100	140	205	
20x24x2	490x592x46	F5	2800	100	140	205	
24x24x2	592x592x46	F5	3400	100	140	205	

Remarks: Initial resistance tolerance: ±15%; Custom sizes are available.

### TECHNICAL PARAMETERS

Total Filter Width: ft (mm)	Rated Airflow (m <sup>3</sup> /h)					
	Filter Height (ft / mm)					
	10(3048)	11(3353)	12(3658)	13(3962)	14(4267)	15(4572)
3(914)	19800	21900	24000	26200	28300	30000
4(1219)	24600	29200	32000	34900	37700	40000
5(1524)	33000	36500	40000	43625	47125	50000
6(1829)	39600	43800	48000	52350	56550	60000
7(2134)	46200	51100	56000	61075	65975	70000
8(2438)	52800	58400	64000	69800	75400	80000
9(2743)	59400	65700	72000	78525	84825	90000

Structural Description:	
<b>Frame:</b> Aluminum alloy / 304 stainless steel	Lightweight & High Strength
<b>Upper &amp; Lower Media Housing:</b> Powder-coated steel plate / 304 stainless steel	Excellent Corrosion Resistance
<b>Media Slot &amp; Media Shaft:</b> 304 stainless steel	
<b>Air Inlet &amp; Outlet Protective Mesh:</b> 304 stainless steel wire	Excellent Corrosion Resistance
<b>Hand Wheel:</b> Cast iron with chrome plating / 304 stainless steel	Integral One-Piece Construction, Strong & Reliable
<b>Filter Media Efficiency:</b> G3, G4, M5 (EN 779)	Stable Efficiency, Low Pressure Drop
<b>Upper Media Box Damping System:</b> Spring plate combination device	Prevents Media from Dropping Due to Self-Weight
<b>Speed Regulation &amp; Reduction Mechanism</b>	Easy Media Replacement During Operation
<b>Motor:</b> 220V, 180W geared motor	Smooth Operation & Energy Saving (Automatic Version Optional)
<b>Display:</b> Siemens 4-inch large-screen LOGO display	Full Chinese Menu Display (Automatic Version Optional)
<b>Display Function:</b> Equipment operating status display (optional)	
<b>Control Functions:</b>	Flexible Control (Automatic Version Optional)
Filter media replacement alarm	
Motor fault alarm	
Differential pressure control status alarm	
<b>Operating Modes:</b>	Powerful Functions (Automatic Version Optional)
Automatic control	
Manual control	



### APPLICATIONS

Engineered for demanding industrial environments, this filtration system is widely applied in:

- Wastewater treatment plants
- Steel and metallurgical industries
- Mining operations
- Chemical processing facilities
- Gas production plants
- Large air-volume HVAC supply systems

It is also extensively integrated as supporting equipment for blower manufacturers.

Designed for maximum flexibility, each filtration unit can operate independently or be configured in parallel to form a complete filtration assembly. Systems can be fully customized and engineered to meet specific airflow requirements and actual on-site operating conditions.

### PRODUCT FEATURES

1. Efficiency: G2
2. Multi-layer pleated expanded aluminum mesh increases dust-holding capacity and filtration efficiency.
3. Low resistance, long service life, washable and reusable, highly economical.
4. All-metal filter mesh is safe, sturdy, and resistant to acids, alkalis, and high temperatures.

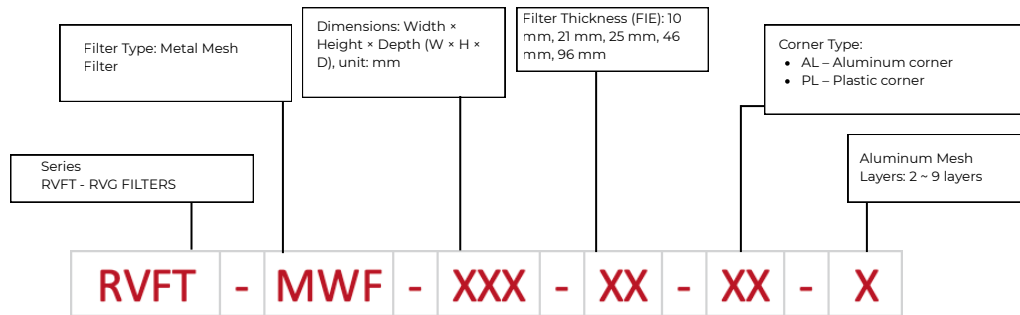


### APPLICATIONS

Mainly designed to remove moisture and oil contaminants. Ideal for primary filtration in harsh and demanding environments, and widely used as a coarse pre-filter in HVAC and air-conditioning system applications.

Ensures effective protection of downstream filters and improves overall system performance and service life.

### NOMENCLATURE



### MATERIALS

<b>Frame Materials:</b>	Extruded aluminum, aluminum sheet, galvanized steel sheet, stainless steel sheet
<b>Filter Media (Mesh):</b>	Aluminum sheet mesh, stainless steel mesh
<b>Corner Construction:</b>	Strong, high-temperature-resistant ABS plastic corners or aluminum alloy corners

### TECHNICAL PARAMETERS

W x H x D (inch)	W x H x D (mm)	Filter Media Area (m <sup>2</sup> )	Number of Layers	AirFlow CMH	Initial Pressure Drop (Pa)
12x24x1	287x592x21	0.68	3	1900	37
24x24x1	592x592x21	1.4		3800	37
12x24x2	287x592x46	1.22	5	1900	45
24x24x2	592x592x46	2.52		3800	45

The above specifications are for reference only. Customized dimensions and configurations are available upon customer request.

### PRODUCT FEATURES

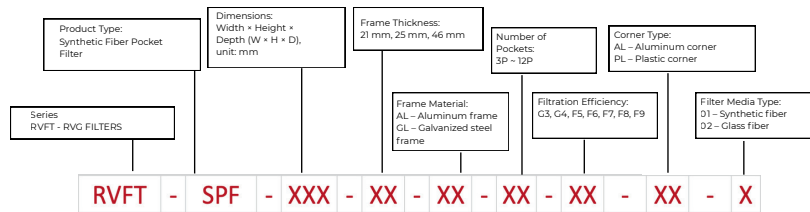
1. Frame: Galvanized steel or extruded aluminum
2. Header Thickness: 21 / 25 / 46 mm
3. Media: Synthetic fiber / glass fiber
4. Efficiency (ASHRAE): 45% / 65% / 85% / 95%
5. EN779 Class: M5 / M6 / F7 / F8 / F9



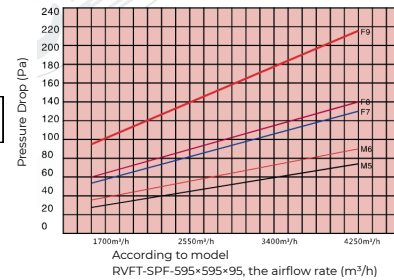
### OPERATING CONDITION

- Maximum Operating Temperature: ≤ 90 °C
- Maximum Operating Humidity: ≤ 90% RH

### NOMENCLATURE



### INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



### TECHNICAL PARAMETERS

W x H x D mm	Pockets	Area m <sup>2</sup>	Efficiency	AirFlow (CMH)	Initial Pressure Drop (Pa)		
					AirFlow (CMH)	Initial Pressure Drop (Pa)	
592x592x600	8	6.4	M5	2540	3400	30	45
			M6			40	60
			F7			75	110
			F8			85	130
592x592x600	6	4.97	M5	2540	3800	35	50
			M6			50	75
			F7			80	120
			F8			90	135
490x592x600	5	4.13	M5	2100	3140	35	50
			M6			50	75
			F7			80	120
			F8			90	135
287x592x600	3	1.65	M5	1240	1860	35	50
			M6			45	75
			F7			80	120
			F8			90	135
592x592x381	6	6.1	M5	2250	3250	30	40
			M6			45	55
			F7			75	110
			F8			80	140
490x592x381	5	3.8	M5	1850	2750	25	15
			M6			35	50
			F7			75	130
			F8			90	145
287x592x381	3	2.1	M5	1050	1650	20	30
			M6			40	55
			F7			70	135
			F8			75	150

Recommended final pressure drop: 450 Pa

Remarks: 1. Initial resistance tolerance: ±15% 2. Special dimensions available on request

### PRODUCT FEATURES

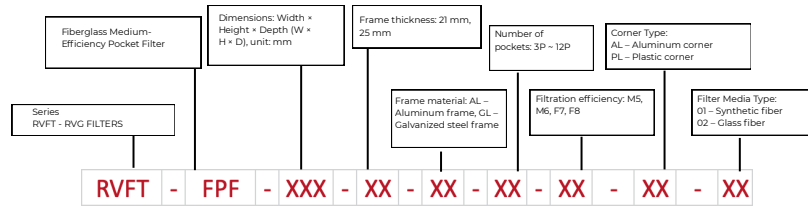
1. Frame: Galvanized steel / extruded aluminum
2. Frame thickness: 21 mm, 25 mm
3. Media: Glass fiber
4. Efficiency (ASHRAE): 45%, 65%, 85%, 95%
5. Standard (EN779): M5, M6, F7, F8



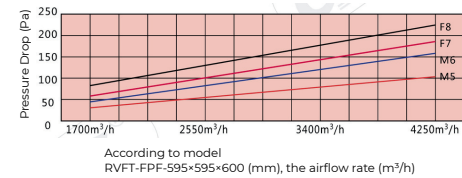
### OPERATING CONDITION

- Maximum Operating Temperature: ≤ 90 °C
- Maximum Operating Humidity: ≤ 90% RH

### NOMENCLATURE



### INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



### MATERIALS

<b>Frame</b>	Double U-type aluminum alloy / stainless steel / galvanized iron (GI)
<b>Optional filter frame thickness</b>	21 mm, 25 mm, 46 mm
<b>Filter media</b>	Glass fiber
<b>Stiffener</b>	Plastic strip
<b>Connecting angle / Corner connector</b>	High-temperature resistant ABS plastic corner / aluminum alloy corner

### ADVANTAGES

1. High dust holding capacity and long service life
2. Compact size, low energy cost
3. High efficiency
4. Large surface area
5. High airflow capacity

### APPLICATIONS

Pocket filters are widely used in central air conditioning and ventilation systems, as well as in industrial purification applications such as pharmaceuticals, hospitals, electronics, and food processing. They can also be used as pre-filters for high-efficiency air filters.

### TECHNICAL PARAMETERS

W x H x D mm	Pockets	Area m <sup>2</sup>	Efficiency	AirFlow (CMH)	Initial Pressure		
					AirFlow (CMH)	Initial Pressure	
592x592x600	8	6.40	M5	2540	3400	35	70
			M6			50	95
			F7			85	140
			F8			105	175
592x592x600	6	4.97	M5	2540	3800	40	75
			M6			65	105
			F7			95	155
			F8			115	190
490x592x600	5	4.13	M5	2100	3140	40	75
			M6			65	105
			F7			95	155
			F8			115	190
287x592x600	3	2.46	M5	1240	1860	40	75
			M6			65	105
			F7			95	155
			F8			115	190

Recommended final pressure drop: 600 Pa

Remarks: 1. Initial resistance tolerance: ±15% 2. Special dimensions available on request

### PRODUCT FEATURES

- 1.The filter media is made of high-quality synthetic fibers bonded by ultra-fine melt-blown technology.
- 2.Equipped with a 10 mm anti-burst high-frequency welded structure and high-frequency welded seams along the filter bag edges.
- 3.Enhanced structural rigidity prevents the filter media from detaching during sudden airflow start-stop conditions.
- 4.Eliminates secondary dust generation and improves overall filter performance.
- 5.Features a thin aerodynamic separator bag design.
- 6.Uses a standard V-shaped structure aligned with airflow direction to stabilize airflow.
- 7.Ensures effective utilization of the filter media.
- 8.Provides optimal filtration efficiency with the lowest pressure drop.
- 9.Offers a large effective filtration area.
- 10.High dust-holding capacity.
- 11.Long service life.



### MATERIALS

Made from synthetic fiber and micro-fiber materials of specialized pocket filters using a multi-layer, progressive density technology. Complies with European DIN 53438-F1 and U.S. UL 900 Class 2 fire-retardant standards.

### ADVANTAGES

Aluminum alloy, color-coated steel sheet, galvanized steel, stainless steel, polypropylene.

### APPLICATIONS

Pre-filtration for air conditioning and ventilation systems; industrial coating exhaust air treatment systems.

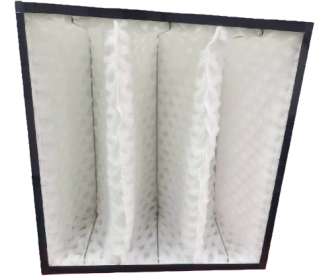
### TECHNICAL PARAMETERS

Type	Efficiency EN779	Dimensions (mm)	Pocket (Pcs)	Filter Area (m <sup>2</sup> )	Rated Airflow (m <sup>3</sup> /h)	Initial Resistance (Pa)
RVFT-SFF	G4	595x595x600	6	4.64	3400	40
		495x595x600	5	3.87	2800	40
		295x595x600	3	2.32	1700	40
	M5	595x595x600	6	4.64	3400	45
		495x595x600	5	3.87	2800	45
		295x595x600	3	2.32	1700	45
	M6	595x595x600	6	4.64	3400	55
		495x595x600	5	3.87	2800	55
		295x595x600	3	2.32	1700	55
	F7	595x595x600	6	4.64	3400	65
		495x595x600	5	3.87	2800	65
		295x595x600	3	2.32	1700	65
	F8	595x595x600	6	4.64	3400	80
		495x595x600	5	3.87	2800	80
		295x595x600	3	2.32	1700	80
	F9	595x595x600	6	4.64	3400	95
		495x595x600	5	3.87	2800	95
		295x595x600	3	2.32	1700	95

Remarks:1. Initial resistance tolerance: ±15% 2. Special dimensions available on request

### PRODUCT FEATURES

- 1.High capture efficiency; specially designed to trap fine paint mist particles.
- 2.Long service life with 3D diamond-shaped pocket design, offering low air resistance and more than double the effective filtration area.
- 3.Easy installation; can directly replace conventional standard bag air filters.
- 4.High dust-holding capacity and paint mist capture capacity up to 27 kg/m<sup>2</sup>.
- 5.Capture efficiency for paint mist particles ≥10 microns reaches 99.8%.



### APPLICATIONS

- Suitable for spray booths and air filtration systems to intercept paint mist and paint residues generated from high-solid coatings, powder coatings, water-based coatings, multi-component coatings, colorants, and adhesives.
- Effectively captures overspray particles and paint sludge during the painting process.

### MATERIALS

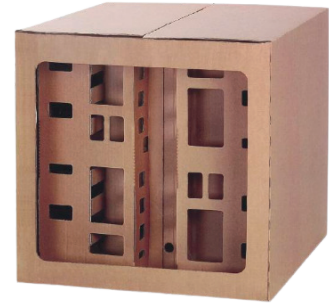
- 3D Diamond-Shaped Paint Mist Filter Media
- Aluminum alloy, color-coated steel sheet, galvanized steel sheet, stainless steel, polypropylene (PP)

### TECHNICAL PARAMETERS

Type	Efficiency	Dimensions (mm)	Number of Bags	Rated Airflow (m <sup>3</sup> /h)	Initial Resistance (Pa)	Paint Capacity (kg)
RVFT-DMF	G4	592×592×320	3	3400	35	15
		592×592×500	5	3400	30	23

### PRODUCT FEATURES

1. Large filtration surface area with low pressure drop, high airflow capacity, and high dust-holding capacity; filter media is easy to recycle.
2. Designed with a Venturi structure based on the principle of inertial separation.
3. Unique vortex airflow guidance design enables efficient capture of oversized paint particles.
4. Forces the airflow to change direction multiple times, allowing particles heavier than air to adhere to the paper walls instead of being carried away by the airflow.
5. Overspray paint particles accumulate at the bottom of the filter paper folds and continue filling until the filter is fully clogged and requires replacement.
6. Overall paint mist capture efficiency can reach over 90%.



### APPLICATIONS

- Widely used in dry paint spray booths and dry-type painting systems for automobiles, furniture, and mechanical components.
- Suitable for workshop paint mist filtration and dust / overspray collection systems in complex integrated filtration setups.

### MATERIALS

- Environmentally friendly filter paper

### TECHNICAL PARAMETERS

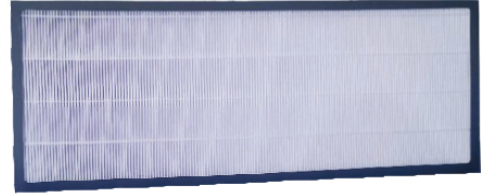
Type	Efficiency	Dimensions (mm)	Rated Airflow (m <sup>3</sup> /h)	Initial Resistance (Pa)	Paint Capacity (kg)
RVFT-MMF	93%	480*480*300	420	45	7
		485*485*490	450	65	12
		500*500*500	500	70	13

### PRODUCT FEATURES

1. PM2.5 filtration efficiency: 85–98%
2. Antibacterial rate: 99%

### APPLICATIONS

Mainly used for central air-conditioning fresh air filtration, fan coil unit return air inlets, air purifiers, and automotive air-conditioning systems.



### MATERIALS

- Filter Media: Manufactured using high-voltage electrospinning technology, composed of ultra-fine fibers combined with nano antibacterial materials.
- Frame: Paper frame / nonwoven fabric + sponge, aluminum frame, galvanized steel frame, color-coated steel sheet, stainless steel frame.

### TECHNICAL PARAMETERS

Type	Efficiency	Dimensions (mm)	Rated Airflow (m <sup>3</sup> /h)	Initial Resistance (Pa)
RVFT-ARF	85-98%	636 × 201	20 ≤ D ≤ 32	99%
		726 × 229		
		702 × 243		

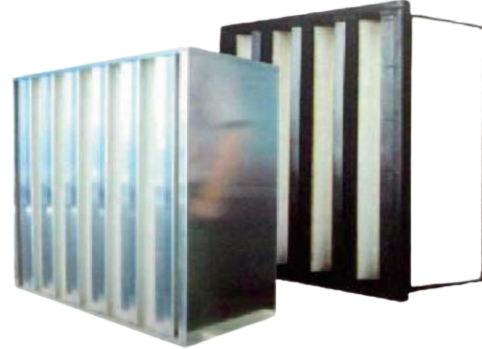
### PRODUCT FEATURES

Efficiency:

- M-MV: M6, F7, F8, F9 (EN779)
- M-SHV:
  - 85% @ 0.3  $\mu\text{m}$  (H10)
  - 95% @ 0.3  $\mu\text{m}$  (H11)
  - 99.5% @ 0.3  $\mu\text{m}$  (H12) (EN1822)

M-HV:

- 99.95% @ 0.3  $\mu\text{m}$  (H13)
- 99.995% @ 0.3  $\mu\text{m}$  (H14) (EN1822)
- Standards:
  - EN1822: Class H11 / H13 / H14
  - EN779: Class M6 / F7 / F8



### OPERATING CONDITIONS

Maximum operating temperature:  $\leq 70\text{ }^{\circ}\text{C}$

Maximum operating humidity:  $\leq 100\% \text{ RH}$

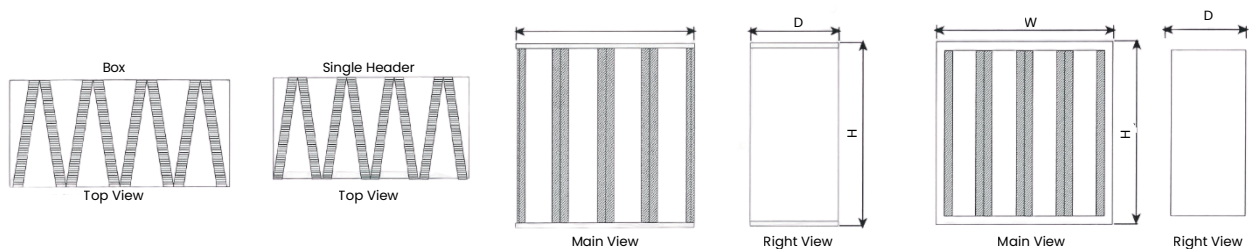
### APPLICATIONS

1. Medium-efficiency filters for cleanrooms and commercial & industrial HVAC ventilation systems.
2. Suitable for high-humidity ventilation and air-conditioning systems.
3. Designed for variable air volume (VAV) ventilation and air-conditioning systems.
4. Widely used in cleanrooms and other applications with strict air cleanliness requirements.

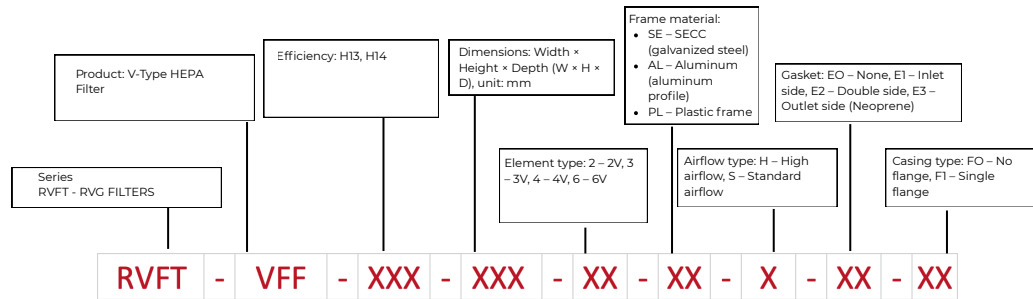
### MATERIALS

Frame	ABS plastic frame, aluminum frame, galvanized steel frame
Filter Media	Glass fiber, synthetic fiber
Separator	Hot-melt adhesive
Sealant	Polyurethane
Gasket	CR, EVA, Neoprene, EPDM / Gel seal

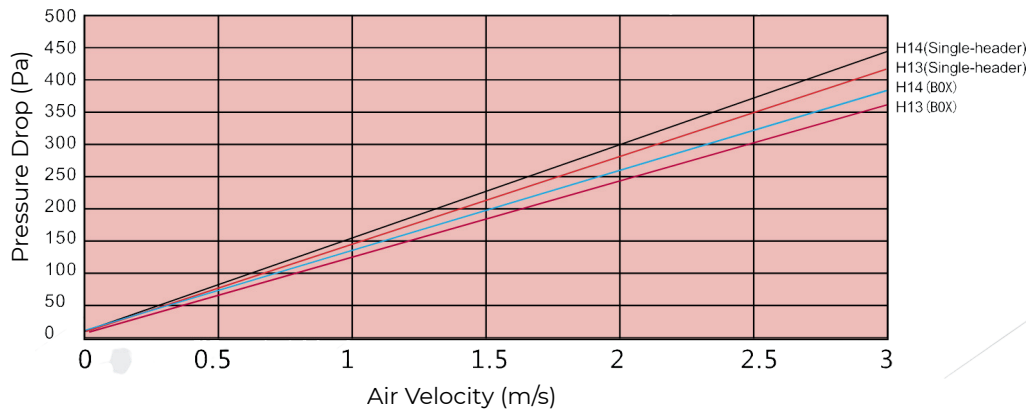
### PRODUCT STRUCTURE DESCRIPTION



### V-TYPE HEPA FILTER NOMENCLATURE



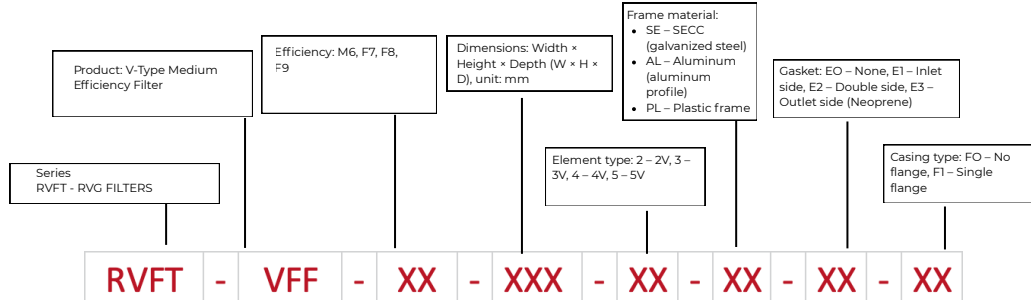
### INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



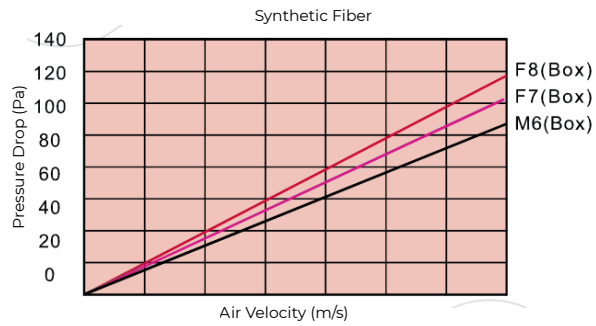
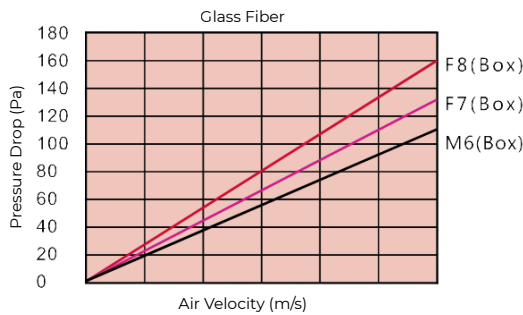
### PRODUCT STRUCTURE DESCRIPTION

Type	Dimensions WXHXD (mm)	Area (m <sup>2</sup> )	Efficiency	Airflow CMH	Initial Pressure (Pa)	Airflow CMH	Initial Pressure (Pa)
Box	305x610x292	10.4	H13	1000	210	1700	280
			H14		230		310
	610x610x292	20.81	H13	2000	230	3400	280
			H14		250		310
Single-Header	592x287x292	8.01	H13	1000	250	1700	330
			H14		280		350
	592x492x292	14.79	H13	1600	250	2700	330
			H14		280		350
	592x592x292	18.13	H13	2000	250	3400	330
			H14		280		350

### VV-TYPE MEDIUM EFFICIENCY GLASS FIBER / SYNTHETIC FIBER FILTER - NOMENCLATURE



### INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



### PRODUCT STRUCTURE DESCRIPTION

Media	Type	Dimensions WxHxD (mm)	Area (m <sup>2</sup> )	Efficiency	Airflow CMH	Initial Pressure (Pa)	Airflow CMH	Initial Pressure (Pa)
Box	Box	305x610x292	9.71	M6	1000	50	1700	85
				F7		60		100
				F8		75		115
		610x610x292	19.42	M6	2000	50	3400	85
				F7		60		100
				F8		75		115
	Single-Header	592x287x292	8.01	M6	1000	55	1700	90
				F7		65		105
				F8		80		120
		592x592x292	18.13	M6	2000	55	3400	90
				F7		65		105
				F8		80		120
Single-Header	Box	305x610x292	9.07	M6	1000	35	1700	65
				F7		40		75
				F8		45		85
		610x610x292	18.15	M6	2000	35	3400	65
				F7		40		75
				F8		45		85
	Single-Header	592x287x292	7.56	M6	1000	38	1700	70
				F7		42		80
				F8		50		90
		592x592x292	16.9	M6	2000	38	3400	70
				F7		42		80
				F8		50		90

### PRODUCT FEATURES

Efficiency:

- DOP 99.9997% @ 0.12  $\mu\text{m}$
- 99.9997% @ 0.12  $\mu\text{m}$
- 99% @ 0.3  $\mu\text{m}$
- 99.99% @ 0.3  $\mu\text{m}$
- 99.995% @ 0.3  $\mu\text{m}$

Standard:

- EN1822, Class U15 / U16
- Class H11 / H13 / H14

### OPERATING CONDITIONS

Maximum operating temperature:  $\leq 70\text{ }^{\circ}\text{C}$

Maximum operating humidity:  $\leq 100\%$  RH

### APPLICATIONS

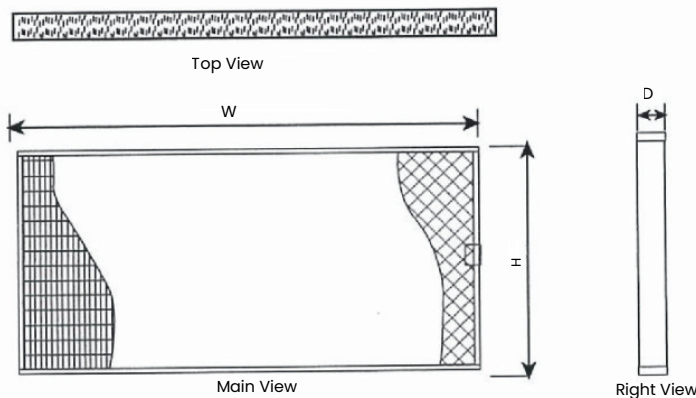
Widely used as final-stage filtration in civil and industrial clean environments with high cleanliness requirements, such as: electronics, semiconductors, precision machinery, pharmaceuticals, hospitals, and food processing industries.

### MATERIALS

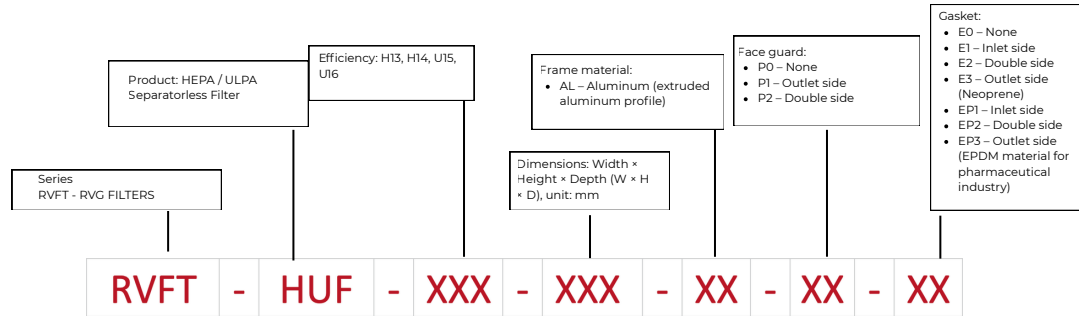
Frame	Extruded aluminum, aluminum sheet, galvanized steel sheet, stainless steel sheet
Filter Media	Ultra-fine glass fiber
Face Guard	Aluminum mesh, coated mesh
Sealant	Polyurethane
Gasket	CR, EVA, Neoprene, EPDM / Gel seal



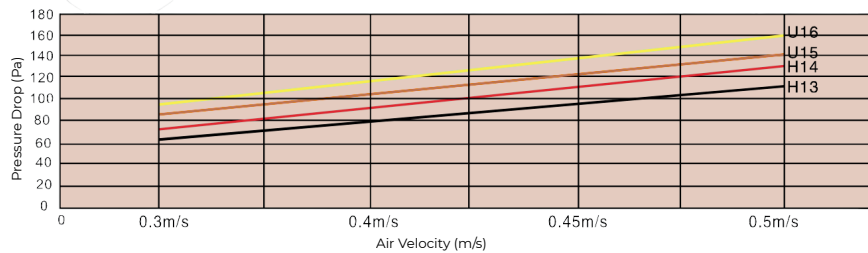
### PRODUCT STRUCTURE DESCRIPTION



## NOMENCLATURE



## INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



## PRODUCT STRUCTURE DESCRIPTION

Nominal Size (ft)	Actual Size (mm)	Rated Airflow (m³/h)	Face Velocity (m/s)	Rated Initial Pressure Drop (Pa)			
				H13	H14	U15	U16
2 x 2x2	570 x 570 x 50	367	0.35	108	115	135	148
4x2x2	1170 x 570 x 50	775	0.35	108	115	135	148
2x1x2	610 x 305 x 50	200	0.35	108	115	135	148
2x2x2	610x610x50	423	0.35	108	115	135	148
2.5 x 2 x 2	762 x 610 x 50	535	0.35	108	115	135	148
3x 2 x 2	915x610x50	646	0.35	108	115	135	148
4 x 3 x 2	1170 x 870 x 50	1206	0.35	108	115	135	148
4x4x2	1170 x 1170 x 50	1637	0.35	108	115	135	148
2x 2 x 3	570 x 570 x 70	472	0.45	100	110	125	140
4 x 2 x 3	1170 x 570 x 70	1000	0.45	100	110	125	140
2 x 1 x 3	610 x 305 x 70	258	0.45	100	110	125	140
2x 2 x 3	610 x 610 x 70	545	0.45	100	110	125	140
2.5 x 2x3	762 x 610 x 70	687	0.45	100	110	125	140
3x 2 x 3	915 x 610 x 70	831	0.45	100	110	125	140
4 x 3x3	1170 x 870 x 70	1550	0.45	100	110	125	140
4x4x3	1170 x 1170 x 70	2100	0.45	100	110	125	140
2x2x4	570 x 570 x 90	472	0.45	85	91	103	115
4x2x4	1170 x 570 x 90	1000	0.45	85	91	103	115
2x1x4	610 x 305 x 90	258	0.45	85	91	103	115
2x2x4	610 x 610 x 90	545	0.45	85	91	103	115
2.5x2x4	762 x 610 x 90	687	0.45	85	91	103	115
3x2x4	915 x 610 x 90	831	0.45	85	91	103	115
4x 3x4	1170 x 670 x 90	1550	0.45	85	91	103	115
4x4x4	1170 x 1170 x 90	2100	0.45	85	91	103	115
2x2x4	570 x 570 x 110	472	0.45	70	74	80	94
4x2x4	1170 x 570 x 110	1000	0.45	70	74	80	94
2x1x4	610 x 305x110	258	0.45	70	74	80	94
2x2x4	610 x 610x110	545	0.45	70	74	80	94
2.5x2x4	762 x 610x110	687	0.45	70	74	80	94
3x2x4	915 x 610 x 110	831	0.45	70	74	80	94
4x3x4	1170 x 670x 110	1550	0.45	70	74	80	94
4 x 4x4	1170 x 1170 x 110	2100	0.45	70	74	80	94

Remarks:1. Initial resistance tolerance: ±15% 2. Special dimensions available on request

### PRODUCT FEATURES

Efficiency: 99.99% / 99.995% at 0.3  $\mu\text{m}$   
Standard: EN1822, Class H13 / H14

### OPERATING CONDITIONS

Maximum Temperature:  $\leq 70^{\circ}\text{C}$   
Maximum Humidity:  $\leq 100\% \text{ RH}$

### APPLICATIONS

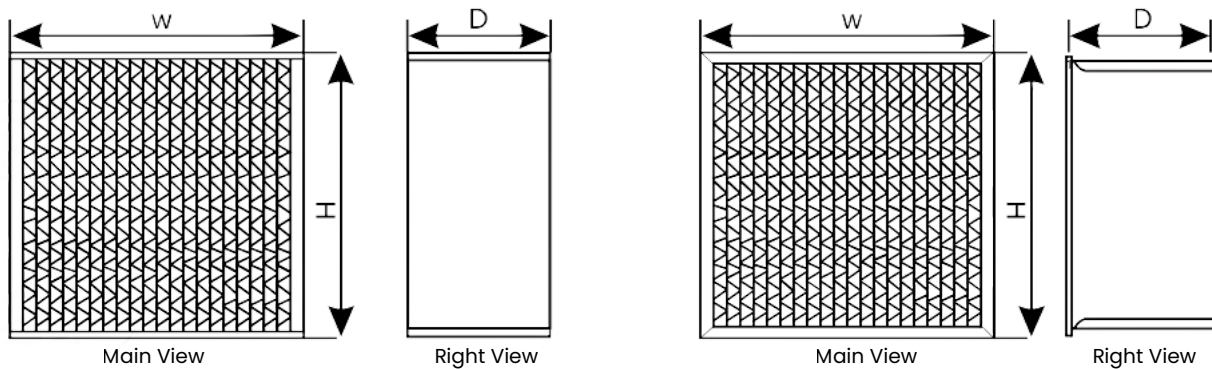
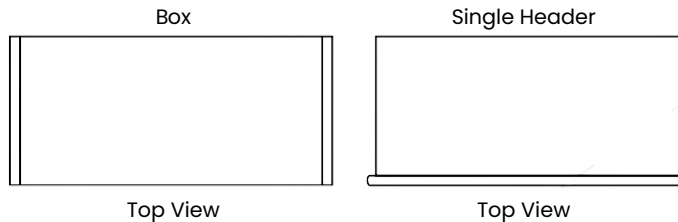
It is widely used as final-stage filtration in civil and industrial clean environments with high cleanliness requirements, such as electronics, semiconductors, pharmaceuticals, hospitals, and the food industry.



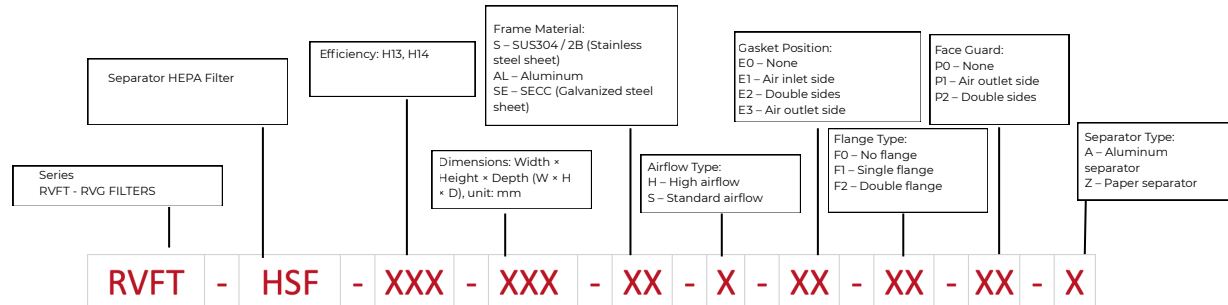
### MATERIALS

Frame	Extruded aluminum, aluminum sheet, galvanized steel sheet, stainless steel sheet
Filter Media	Glass fiber (IF 7)
Separator	Aluminum foil, paper
Sealant	Polyurethane
Gasket	CR, EVA, Neoprene, EPDM

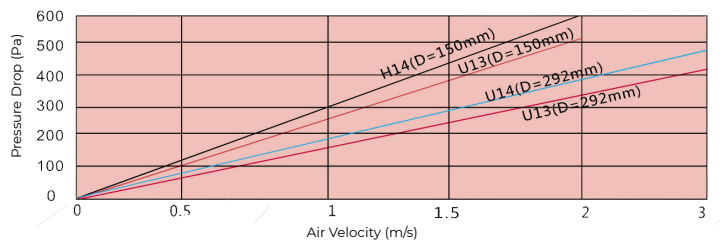
### PRODUCT STRUCTURE DESCRIPTION



## NOMENCLATURE



## INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



## PRODUCT STRUCTURE DESCRIPTION

Width x Height x Depth	Efficiency	Filter Media Area	Airflow	Initial Pressure Drop	Filter Media Area	Airflow	Initial Pressure Drop
W x H x D (mm)		Area (m <sup>2</sup> )	(CMH)	(Pa)	Area (m <sup>2</sup> )	(CMH)	(Pa)
305 x 610 x 292	H11	7.27	1000	200	11.34	1700	260
	H13			250			280
	H14			280			300
610 x 610 x 292	H11	14.24	2000	200	23.26	3400	260
	H13			250			280
	H14			280			300
915 x 610x292	H11	21.22	3000	200	35.17	5000	260
	H13			250			280
	H14			280			300
1220 x 610 x 292	H11	28.49	4000	200	46.8	6660	260
	H13			250			280
	H14			280			300
305 x 610 x 150	H11	3.28	500	170	5.11	1000	240
	H13			230			260
	H14			260			280
610 x 610x150	H11	6.42	1000	170	10.49	2000	240
	H13			230			260
	H14			260			280
915 x 610x150	H11	9.57	1500	170	15.86	3000	240
	H13			230			260
	H14			260			280
1220 x 610 x 150	H11	12.85	2000	170	21.11	4000	240
	H13			230			260
	H14			260			280

Recommended Final Pressure Drop: 600 Pa

Remarks:1. Initial resistance tolerance: ±15% 2. Special dimensions available on request

### PRODUCT FEATURES

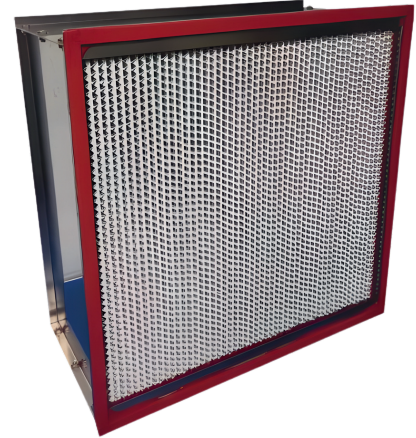
- Efficiency: 99.99% and 99.995% at 0.3  $\mu\text{m}$
- Standard: EN 1822, Class H13 / H14

### OPERATING CONDITIONS

Continuous Operating Temperature:  
250°C (480°F) / 300°C (570°F) / 330°C (625°F)

### APPLICATIONS

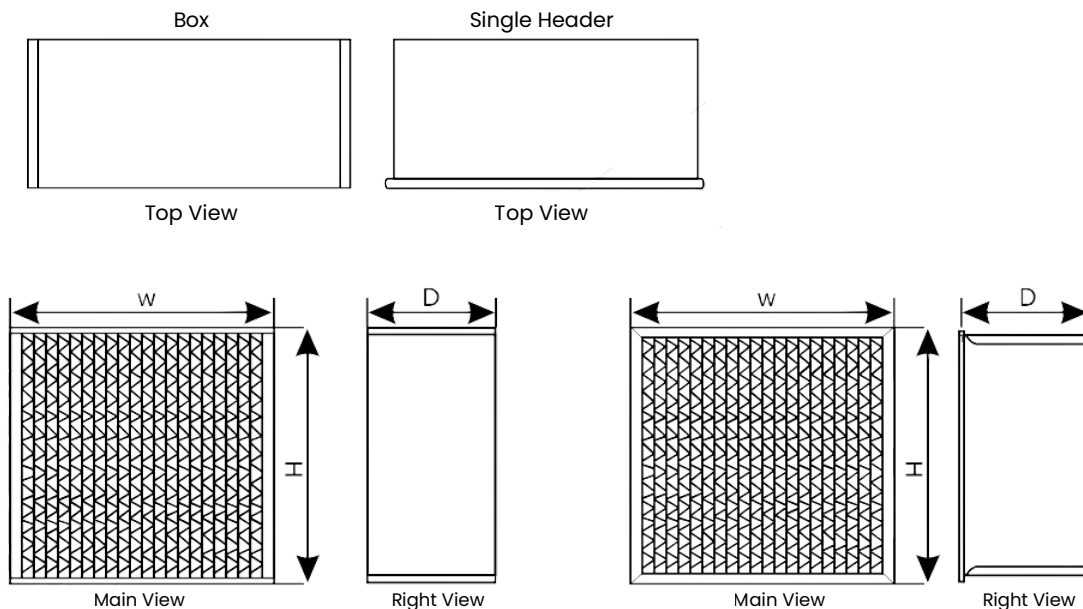
- High-temperature paint spray lines
- High-clean baking booths
- Clean baking ovens
- Food baking rooms and baking equipment
- High-temperature sterilization equipment (e.g., pharmaceutical factory sterilization systems)
- Ventilation and air-conditioning systems requiring high fire resistance or operating at elevated temperatures



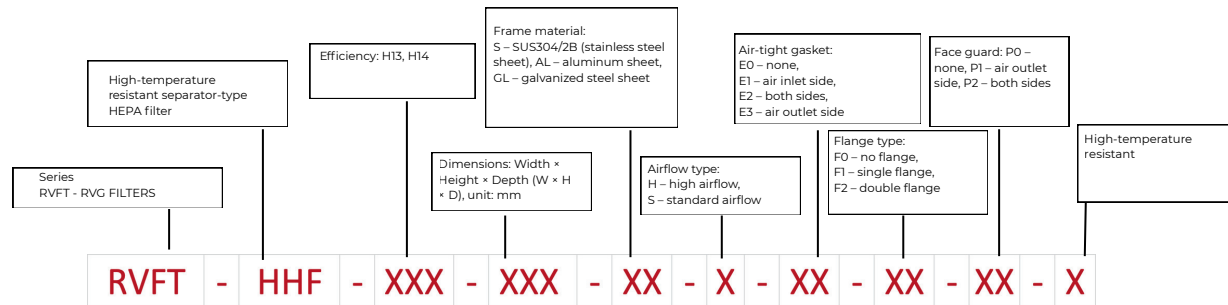
### MATERIALS

Frame	Stainless steel sheet / Galvanized steel sheet
Filter Media	Glass fiber
Separator	Aluminum foil
Sealant	High-temperature silicone sealant / Glass fiber felt
Gasket	High-temperature silicone sponge gasket
Face Guard (Protective Mesh)	Aluminum expanded mesh (optional)

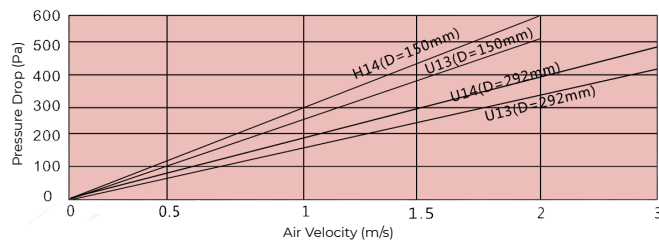
### PRODUCT STRUCTURE DESCRIPTION



### NOMENCLATURE



### INITIAL PRESSURE DROP VS. AIR VELOCITY CURVE



### PRODUCT STRUCTURE DESCRIPTION

Width x Height x Depth W x H x D (mm)	Filter Media Area Area (m <sup>2</sup> )	Efficiency	Airflow (CMH)	Initial Pressure Drop (Pa)	Airflow (CMH)	Initial Pressure Drop (Pa)
305x610x292	6.69	H13	1000	250	1700	350
		H14		280		380
610x610x292	13.66	H13	2000	250	3400	350
		H14		280		380
915x610x292	20.64	H13	3000	250	5000	350
		H14		280		380
1220x610x292	27.91	H13	4000	250	6660	350
		H14		280		380
305x610x150	3.2	H13	500	230	1000	330
		H14		260		375
610x610x150	6.4	H13	1000	230	2000	330
		H14		260		375
915x610x150	9.6	H13	1500	230	3000	330
		H14		260		375
1220x610x150	12.81	H13	2000	230	4000	330
		H14		260		375

Recommended Final Pressure Drop: 600 Pa

Remarks: 1. Initial resistance tolerance: ±15% 2. Special dimensions available on request

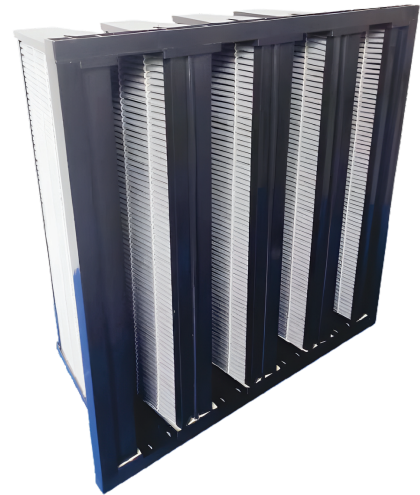
### PRODUCT FEATURES

- Temperature range: 0–40°C
- Maximum humidity: ≤ 70% RH
- Recommended final pressure drop: 450 Pa

### VARIANTS

Special sizes and specifications can be manufactured according to customer requirements. Our company can provide three types of filters for adsorbing harmful gases:

- 1.Type A: Absorbs VOCs and ozone, etc.
- 2.Type B: Absorbs acidic toxic gases (SO<sub>2</sub>, NO<sub>2</sub>, H<sub>2</sub>S, HCl, HF, etc.).
- 3.Type C: Absorbs alkaline toxic gases (NH<sub>3</sub>, amines, etc.).



### APPLICATIONS

- 1.Ventilation and air-conditioning systems with limited installation space that require removal of odorous and gaseous pollutants.
- 2.Commercial and residential buildings such as farms, high-end hotels, office buildings, and large shopping malls.
- 3.Supply air HVAC systems for museums, libraries, and art exhibition halls.
4. Upgrading and optimizing filtration in existing comfort air-conditioning systems.

### MATERIALS

Frame	ABS, galvanized steel sheet
Filter media	Multi-layer superfine activated carbon + synthetic fiber media
Sealant	PU (polyurethane)
Gasket	CR / EVA / Neoprene / EPDM (optional)

### PRODUCT STRUCTURE DESCRIPTION

WxHxD (mm)	WxHxD (mm)	Area (m <sup>2</sup> )	Carbon	Airflow (CMH)	InitialPressure (Pa)	Airflow (CMH)	InitialPressure (Pa)
12x24x12	287x592x292	4.5	2	1000	53	1700	120
20x24x12	492x592x292	8	3.5	1660	53	2800	120
24x24x12	592x592x292	9.5	4	2000	53	3400	120