

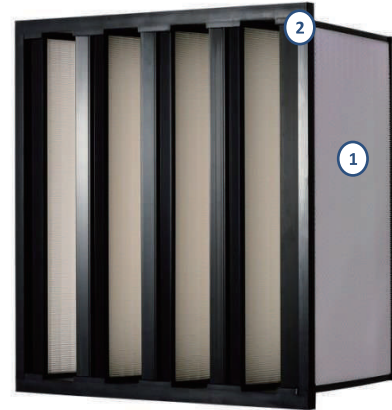
V Bank Filter

Product Overview

- ① Compared with the traditional bag filter, V bank filter has a super large filtration area.
- ② It can be incinerated thoroughly, which is beneficial to environmental protection.

Customer Benefits

- The effective filtration area is up to 20m², which is 3-4 times of the conventional bag filter, low resistance, high dust holding capacity, long service life, low operating energy consumption, high comprehensive cost performance.
- V bank filter has low resistance, long service life, compact pleated media structure and all-polyurethane seal, and optional protection mesh accessories, providing a stable overall structure, especially suitable for large air volume environment.
- It can be incinerated thoroughly, which is beneficial to environmental protection and reduces waste disposal costs.



Product Features

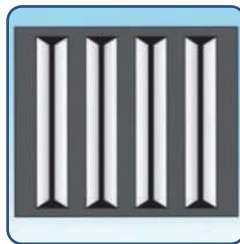
- As the media of filter, ultrafine glass fiber has the advantages of low resistance and stable efficiency.
- Hot melt separator, uniform folding interval ensures stable airflow through the filter, and the overall anti-interference performance is excellent.
- V bank structure, especially suitable for large air volume, where airflow is not usually stable.
- In the case of large air volume, metal or plastic mesh can be used as the protection of the filter media, which effectively protects the filter media from damage.
- Polyurethane glue seal between the filter media and the outer frame, high adhesion and shock resistance.
- The sealing gasket adopts rubber sealing material such as CR and EPDM, and has self-extinguishing property, which ensures the airtightness and safe use of the filter.
- Flange thickness is available in 20mm and 25mm.
- Fire retardant: DIN 53438 F1.
- UL certified.

Application

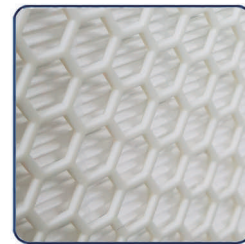
- Large effective filtration area, high dust holding capacity, low resistance, resistance rise gently, low operating energy consumption, and excellent stability even in the turbulent environment, especially suitable for air supply system of gas turbine and turbine compressor.
- The water-repellent filter media has excellent capturing efficiency for humid particles and silicone free. It is suitable for coating internal circulation system and when it is used with pre-filter. It has strong ability to capture paint mist, with high paint holding capacity and long service life.
- It is suitable for the middle or end process of VOC filtration, which can effectively capture the solid particles and liquid viscous substances in VOC gas and extend the service life of the VOC system. We also provide higher grade (E10-E11) V bank filter protection.
- Suitable for hospital, airport, library, museum, laboratory, electronics industry, chemical industry, optical education, production workshop and other comfortable ventilation systems.



Uniform pleats ensure



V bank structure, extending the



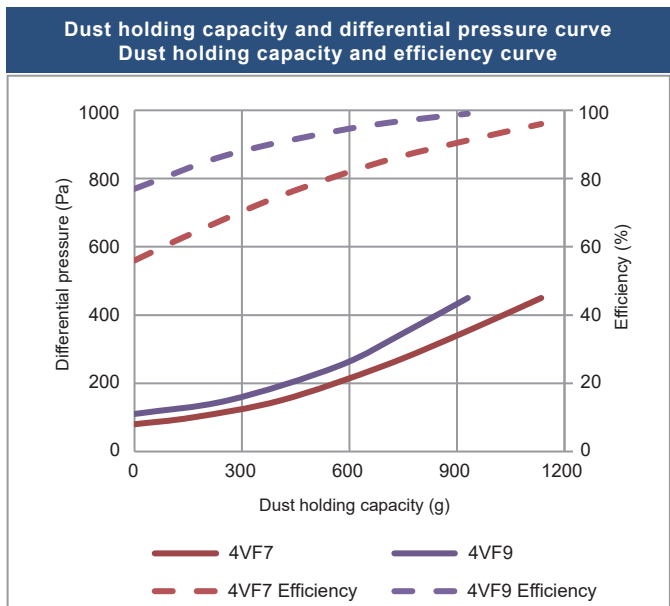
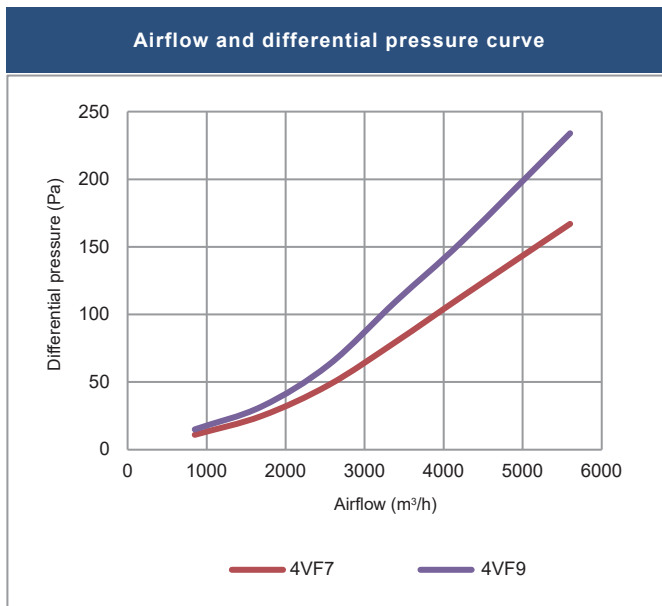
Protection net accessory

V Bank Filter

Technical Data

Parameter	Unit	4VM6	4VF7	4VF8	4VF9	4VE10	4VE11
EN779 2012	-	M6	F7	F8	F9	E10	E11
ASHRAE52.2 2017	-	MERV 11	MERV 13	MERV 14	MERV 15	MERV 16	MERV 16
ISO 16890	-	ePM10 68%	ePM10 87%	ePM2.5 70%	ePM1.0 70%	-	-
Dimension	mm	592 x 592 x 292 *					
Airflow	m ³ /h	3400	3400	3400	3400	3400	3400
Initial pressure	Pa	68	80	95	110	175	210
Recommended final pressure	Pa	450	450	450	450	600	600
Average efficiency M6 - F9@0.4µm E10 - E11@0.3µm	%	78	89	94	97	93	98
Dust holding capacity	g	1360	1135	1050	930	725	560
Surface area	m ²	20.2	20.2	20.2	20.2	20.2	20.2

* 592x592x400mm is available.



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