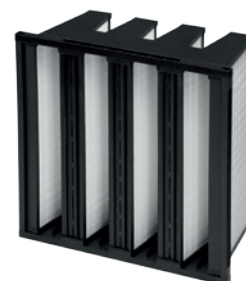


MVP CASSETTE FILTERS – QUALITY WITH AN OPTIMUM PRICE-PERFORMANCE RATIO

viledon®

FILTER CLASSES M6–F9

FILTER TYPE	FILTER CLASS	NOMINAL VOLUME FLOW RATE [m³/h]	TEST STANDARD	ENERGY EFFICIENCY CLASS*
MVP 75	M6	4,250	EN 779	–
MVP 85	F7	4,250	EN 779	B
MVP 95	F8	4,250	EN 779	A
MVP 98	F9	4,250	EN 779	B



The application

Viledon® MVP cassette filters are used in supply, exhaust and recirculated-air filtration for ventilation systems, such as those in

- office buildings
- factory/production halls
- airports, libraries
- museums
- laboratories
- hospitals
- old people's homes and care facilities, etc.

The characteristics

- MVP filters are constructed for **simple handling at installation**.
- Micro-glassfiber papers are used as filter media.
- The entire filter element is **non-corroding, and fully incinerable**, since it contains no metal parts. The frame consists of halogen-free plastic.

- Viledon® MVP filters are **microbiologically inactive and meet all the criteria of VDI Guideline 6022** "Hygiene Requirements for HVAC systems".
- We were one of the first manufacturers to meet the criteria laid down in the **EUROVENT** certification for air filters of Classes M5 to F9. This means that **neutral testing institutes regularly verify** our fine-filters' compliance with crucial performance data.
- Freudenberg Filtration Technologies has been certified under the current version of DIN EN ISO 9001 by the German Society for Management System Certification (DQS). Our **holistically conceived integral management system** is based on the current standards ISO/TS 16949 (requirements of the automotive industry), DIN EN ISO 14001 (eco-management) and OHSAS 18001 (occupa-

tional health and safety). Six Sigma is an integral constituent of our corporate culture.

The special features

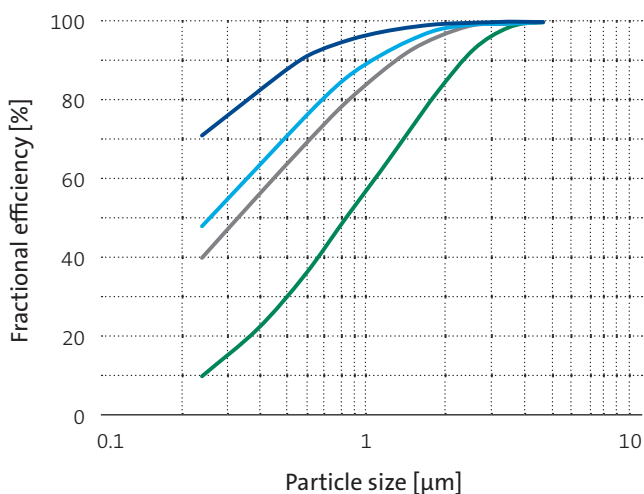
- MVP cassette filters excel in terms of high dust holding capacity and low pressure drop and offer an **optimum price-performance ratio**.
- The leak-proof casting of the dimensionally stable media pleat pack provides **high burst strength**, as well as **excellent security against dust penetration during operation**.
- MVP Cassette filters are available on request in **EPA filter classes E10 to E12**. In filter classes M6 to F9 they can be obtained **with six instead of eight panels** and in all available filter classes with an adhesively affixed gasket on the clean air side.

GEOMETRIES AVAILABLE		1/1	5/6	1/2
Nominal volume flow rate	m³/h	4,250	3,500	2,050
Effective filtering area	m²	18	14.5	8.5
Front frame for mounting frame	mm	592 × 592 × 25 610 × 610	491 × 592 × 25 508 × 610	288 × 592 × 25 305 × 610
Overall depth	mm	292		
Weight, approx.	kg	5.5	4.5	3.2
Temperature-resistance	°C	70		
Moisture-resistance (rel. hum.)	%	100		

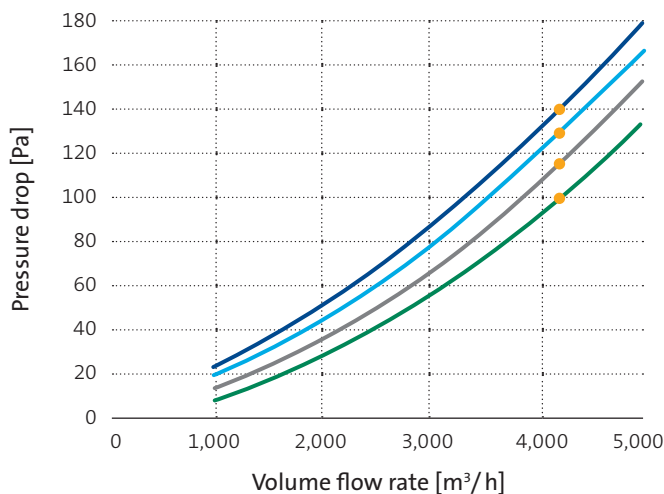
* As part of the EUROVENT Certification, rated at 3,400 m³/h

TECHNICAL FILTER TEST DATA TO EN 779

Initial fractional collection efficiency plotted against particle size at nominal volume flow rate



Initial pressure drop curves



— MVP98 — MVP95 — MVP85 — MVP75 ● Nominal volume flow rate

KEY DATA		MVP75	MVP85	MVP95	MVP98
Filter class		M 6	F 7	F 8	F 9
Nominal volume flow rate ●	m ³ /h	4,250			
Initial pressure drop	Pa	100	115	130	140
Initial efficiency (0.4 μm)	%	22	56	63	82
Minimum efficiency (0.4 μm)	%	—	52	59	78
Average efficiency (0.4 μm) E _a	%	≥ 70	≥ 85	≥ 90	≥ 95
Recommended final pressure drop	Pa	350			

The figures given are mean values subject to tolerances due to the normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case. Subject to technical alterations. You will find instructions on how to handle and dispose of loaded filters in our information on product safety and eco-compatibility.