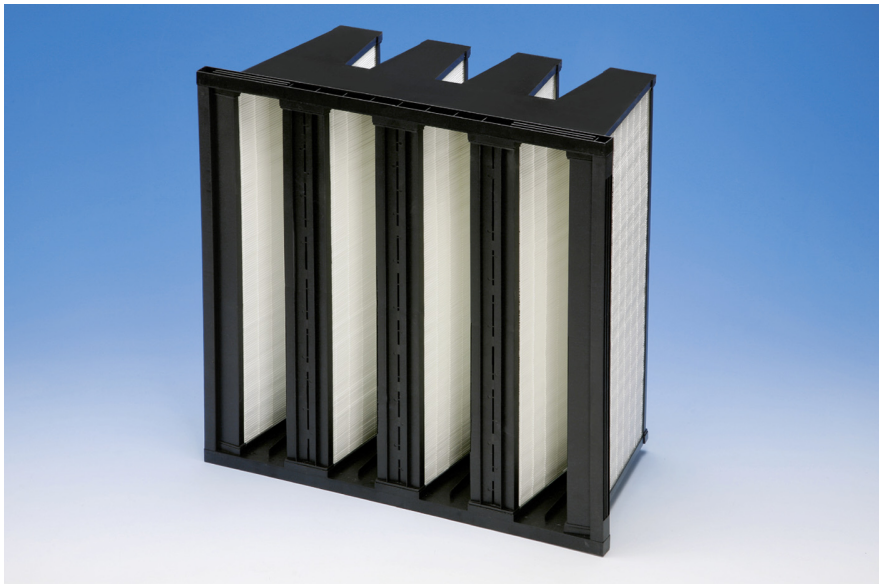
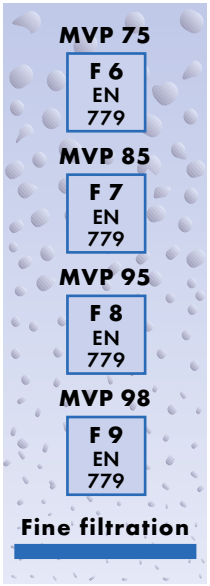
MVP Cassette Filters – Viledon® quality with an optimum price-performance ratio Filter Classes F 6 – F 9





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.
The frame materials and filter media are **self-extinguishing** in conformity with DIN 53438 (Fire Class F1).
Viledon® MVP filters are **moisture-resistant** up to 100% relative humidity, **thermally stable** up to 70° C (briefly up to 80° C), **microbiologically inactive and meet all the criteria of VDI Guideline 6022 "Hygiene Requirements for HVAC systems"**.

The special features

MVP cassette filters are also available in **Filter Classes H 11 and H 12**, and with an adhesively affixed gasket on the clean-air side.

The quality of our products

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 OSHAS 18001 (occupational health and safety). Six Sigma is an integral constituent of our corporate culture.

We were one of the first manufacturers to meet the criteria laid down in the EUROVENT certification for air filters of Classes F 5 to F 9. This means that neutral testing institutes regularly verify our fine-filters' compliance with crucial performance data.

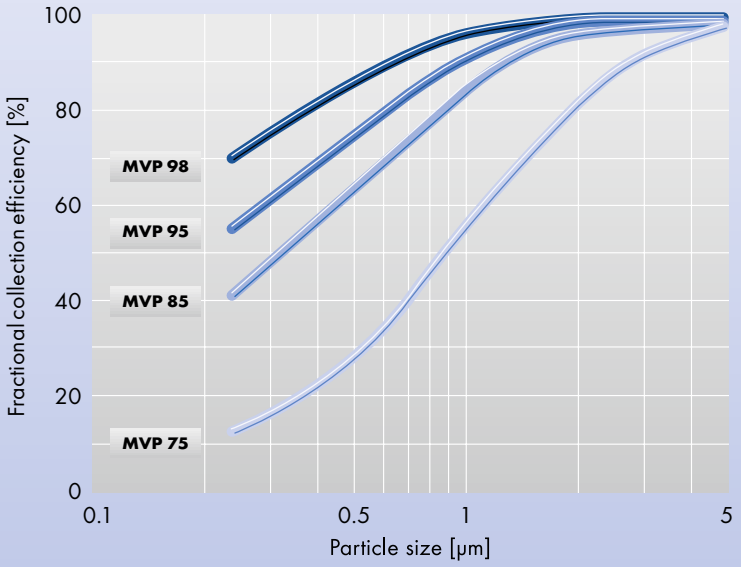
EUROVENT CERTIFIED PERFORMANCE
AIR FILTERS CLASS F5-F9

Freudenberg
Filtration Technologies

Technical filter data

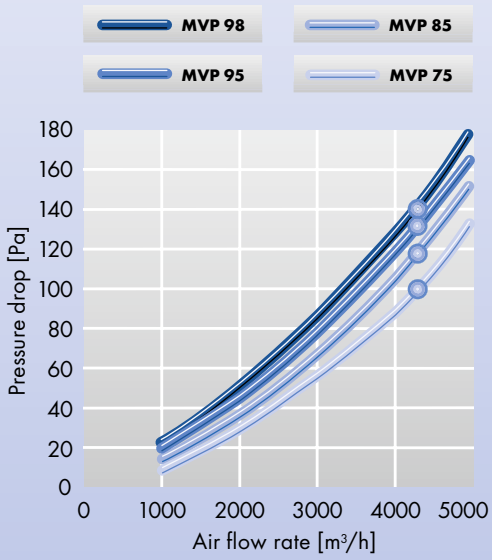
Initial fractional collection efficiency

plotted against particle size at nominal air flow rate



Initial pressure drop curves

Nominal air flow rate



Key data		MVP 75	MVP 85	MVP 95	MVP 98
Filter class according to EN 779		F 6	F 7	F 8	F 9
Nominal air flow rate	m³/h	4250	4250	4250	4250
Initial pressure drop	Pa	100	115	130	140
Mean collection efficiency (0.4 µm)	%	≥ 70	≥ 85	≥ 90	≥ 95
Recommended final pressure drop	Pa	350	350	350	350

Available geometries		1/1	5/6	1/2
Nominal air flow rate	m³/h	4250	3500	2000
Filtering area	m²	18	14.5	7.5
Front frame for mounting frames	mm	593 x 593 x 25 610 x 610	491 x 593 x 25 508 x 610	288 x 593 x 25 305 x 610
Overall depth	mm	292	292	292
Weight approx.	kg	5.5	4.5	3.2
Thermal stability/ temporary peaks	°C	70 80	70 80	70 80

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.

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