

# MVP Cassette Filters – Viledon® quality with an optimum price-performance ratio

## Filter Classes F 6 – F 9



Filter Type	Filter Class	Nominal Volume Flow Rate [m³ / h]	Test Standard
MVP 75	F6	4,250	EN 779
MVP 85	F7	4,250	EN 779
MVP 95	F8	4,250	EN 779
MVP 98	F9	4,250	EN 779



### 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 F5 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 (occupational 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 E 10 to E 12**. In filter classes F6 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.

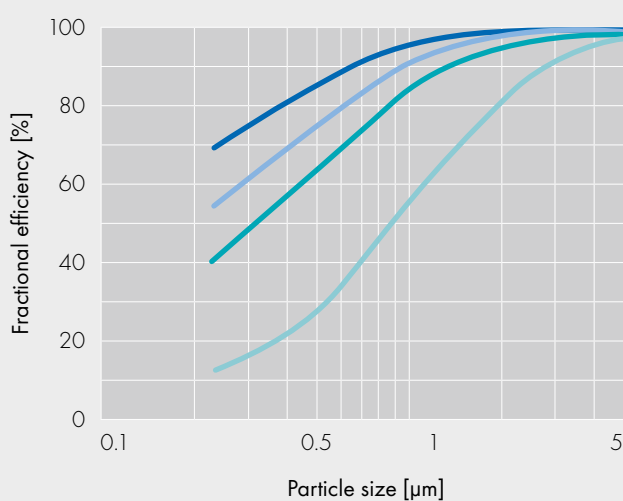
Available geometries		1/1	5/6	1/2
Nominal air flow rate	m³/h	4,250	3,500	2,000
Effective filtering area	m²	18	14.5	8.5
Front frame for mounting frame	mm	593 × 593 × 25 610 × 610	491 × 593 × 25 508 × 610	288 × 593 × 25 305 × 610
Overall depth	mm	292	292	292
Weight, approx.	kg	5.5	4.5	3.2
Temperature-resistance	°C	70	70	70
Moisture-resistance / rel. humidity	%	100	100	100

# Technical filter test data to EN 779

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

MVP98 — MVP85 —  
MVP95 — MVP75 —

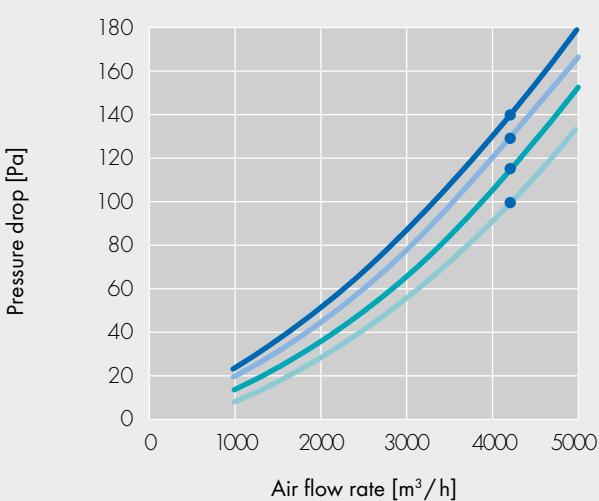
### MVP75, MVP85, MVP95, MVP98



## Initial pressure drop curves

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

### MVP75, MVP85, MVP95, MVP98



Key data			MVP75	MVP85	MVP95	MVP98
Filter Class			F6	F7	F8	F9
Average efficiency	(0,4 µm)	%	≥70	≥85	≥90	≥95
Nominal air flow rate	●	m³/h	4,250	4,250	4,250	4,250
Initial pressure drop		Pa	100	115	130	140
Recommended final pressure drop		Pa	350	350	350	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.

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