

# MVP V06 CASSETTE FILTERS FOR OPERATION OF VENTILATION SYSTEMS

viledon®

QUALITY WITH AN OPTIMUM PRICE-PERFORMANCE RATIO

FILTER TYPE	FILTER CLASS TO ISO 16890	FILTER CLASS TO EN 779:2012
MVP 75 V06	ISO ePM10 75%	M 6
MVP 85 V06	ISO ePM2,5 70%	F 7
MVP 95 V06	ISO ePM1 70%	F 8
MVP 98 V06	ISO ePM1 80%	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.

- MVP filters are constructed for simple and safe handling at installation.
- Viledon® MVP filters are microbologically inactive and meet all the criteria of VDI Guideline 6022 "Hygiene Requirements for HVAC systems and units".
- The entire filter element is free of metals, corrosion-free, fully incinerable and thereby disposal-friendly.

- Patented Viledon® modular clip-on system with optionally installed pins for combination with other pre- or final filters for a 2-in-1 system solution.
- MVP cassette filters are also available with eight (V08) instead of six (V06) pleat panels and with polyurethane-foamed gasket on the up- or downstream side.

## The characteristics

- Micro-glassfiber papers are used as filter media.
- The dimensionally stable media pleat packs are casted into the plastic frame providing excellent functional safety against dust penetration during operation.

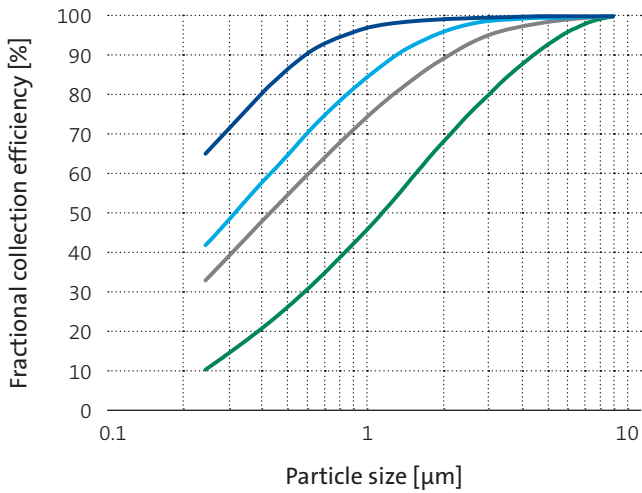
## The special features

- MVP cassette filters excel in terms of low pressure drop and offer an optimum price-performance ratio.
- The frame offers various possibilities for the installation of clips to hold prefilters.

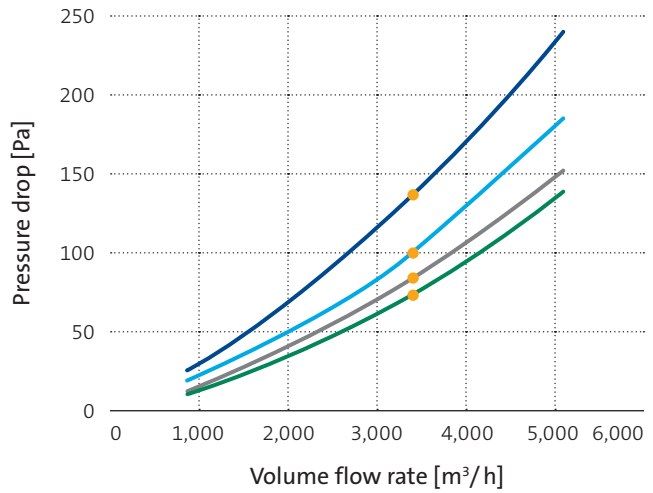
GEOMETRIES AVAILABLE		1/1	5/6	1/2
Nominal volume flow rate	m <sup>3</sup> /h	3,400	2,700	1,500
Filtering area	m <sup>2</sup>	14	11.5	6.5
Front frame for mounting frame	mm	592 × 592 × 25 610 × 610	490 × 592 × 25 508 × 610	287 × 592 × 25 305 × 610
Overall depth	mm	292		
Weight, approx.	kg	5.0	4.0	2.7
Temperature-resistance	°C	70		
Moisture-resistance (rel. hum.)	%	100		

# TECHNICAL FILTER TEST DATA TO EN 779 AND ISO 16890

Fractional collection efficiency curves



Initial pressure drop curves



— MVP 98 V06    — MVP 95 V06    — MVP 85 V06    — MVP 75 V06    ● Nominal volume flow rate

KEY DATA		MVP 75 V06	MVP 85 V06	MVP 95 V06	MVP 98 V06
Nominal volume flow rate	● m³/h	3,400			
Initial pressure drop	Pa	70	80	100	135
Class to ISO 16890		ISO ePM10 75%	ISO ePM2,5 70%	ISO ePM1 70%	ISO ePM1 80%
Particulate matter efficiency					
ISO ePM1		32	61	72	81
ISO ePM2,5	%	45	71	79	85
ISO ePM10		76	88	92	92
Cut-off particle size	µm	7	5	4	2.5
Filter class to EN 779:2012		M6	F7	F8	F9
Recom. final pressure drop*	Pa	450			

\* For cost-efficiency or system-specific reasons it may be appropriate to change the filters before reaching the final pressure drop stated. It can also be exceeded in certain applications.

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.