IMPRESSIVE SPACESAVERS OF HIGH QUALITY: MAXIPLEAT CASSETTE FILTERS

viledon®

FILTER TYPES MX 95 – MX 98

FILTER TYPE	MERV CLASS	NOMINAL VOLUME FLOW RATE	TEST STANDARD
MX 95	14	1,968	ASHRAE 52.2
MX 98	15	1,968	ASHRAE 52.2

The application

Viledon® MaxiPleat cassette filters offer maximized operational reliability and cost-efficiency for supply, exhaust and recirculated air filtration in ventilation systems which have demanding requirements for clean air quality, particularly under critical on-site conditions, high air flow rates, where space is limited and when process safety does not allow for any compromises, e.g.

- intake air filtration for turbomachinery
- industrial processes (chemicals, pharmaceuticals, foods and beverages, optics, electronics, surface treatment, etc.)
- sophisticated air-conditioning applications (laboratories, libraries, museums, airports, office buildings, etc.
- additional downstream protection

The special features and benefits

- High-strength micro-glassfiber papers with a special thermoplastic bonding system and **hydrophobic coating** are used as filter media.
- Our patented thermal embossing process, ensures full utilization of the filtering area, uniform dust removal, consistent air flow and a low pressure drop.
- The leak-proof casting of the pleat pack in the distortion-resistant plastic frame results in **outstanding bursting strength** as well as **high security against dust penetration**.
- Besides the standard version with 0.98 inch front frame thickness, the filters are also available with a 0.81 inch thick front frame or without a front frame. **An optional water barrier** reduces intaken water from reaching the clean-air side. Foamed-on PU gasket upon request.
- The entire filter element is **non-corroding and fully incinerable**, as it contains no metal parts. Frame and protection grids are made of halogen-free plastic.
- Viledon® MaxiPleat filters are **microbiologically inactive.**

energy efficiency
performance

GEOMETRIES AVAILABLE		1/1	5/6	1/2
Filtering area	ft^2	194	194	194
Front frame for mounting frame	in	23 3/8 x 23 3/8	19 3/8 x 23 3/8	11 3/8 x 23 3/8
Overall depth	in		11.5	
Weight, approx.	lb	15	12.5	7.5
Thermal stability	°F		160	
Moisture-resistance (rel. hum.)	%		100	
Suitable for standard mounting frame	in	24 × 24	20 × 24	12 × 24

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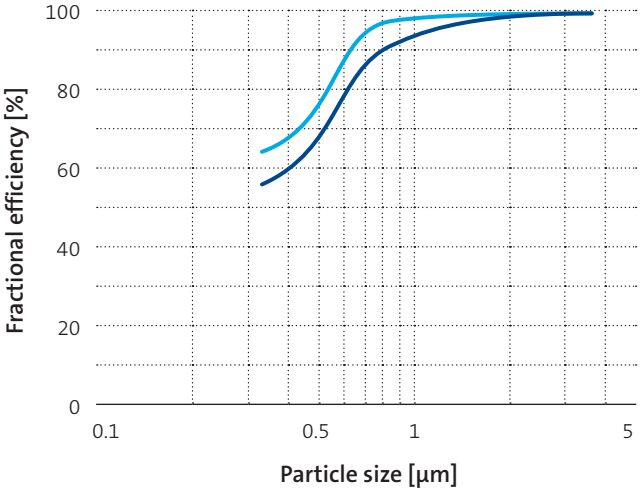
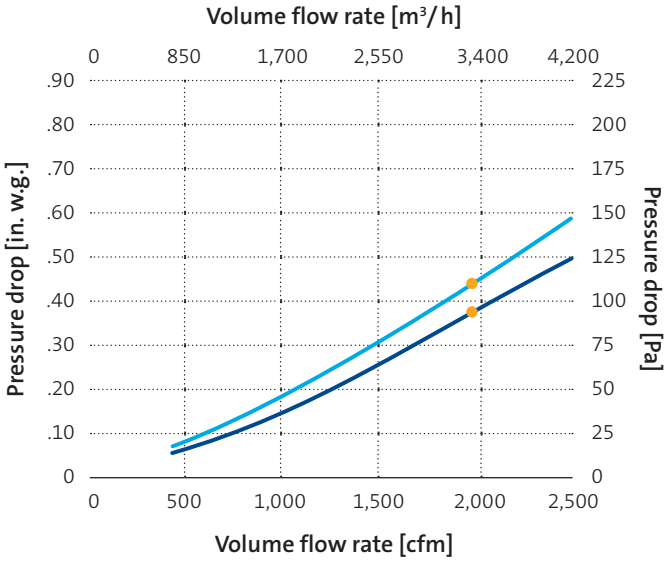
TECHNICAL FILTER TEST DATA TO ASHRAE 52.2

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



Initial pressure drop curves



MX 95 — MX 98 — ● Nominal volume flow rate

KEY DATA		MX 95	MX 98
Nominal volume flow rate ●	cfm	1968	
Initial pressure drop	in. w.g.	.37	.44
Recommended final pressure drop*	in. w.g.	1.50	
Bursting strength**	in w.g.	>20	

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

** Tested by Blue Heaven Technologies, Kentucky, USA

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

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