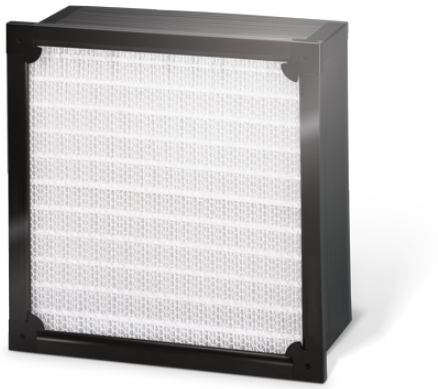
CASSETTE FILTER MAXIPLEAT MX 95

viledon®

ROBUST AND RESILIENT FOR MAXIMUM OPERATIONAL RELIABILITY



APPLICATION

Supply, exhaust and recirculated air filtration in ventilation systems posing stringent requirements for clean air quality, particularly under critical on-site conditions, high air flow rates or where space is limited, as for example in:

- intake air filtration of gas turbines and compressors in power generation and in the oil and gas industry, on- and offshore
- industrial processes (chemicals, pharmaceuticals, foods and beverages, optics, electronics, surface treatment, etc.)
- sophisticated air-conditioning applications (laboratories, libraries, museums, airports, office buildings, etc.)
- downstream safety filters for emission control

EUROVENT CERTIFIED PERFORMANCE AIR FILTERS www.eurovent-certification.com

energy efficiency performance

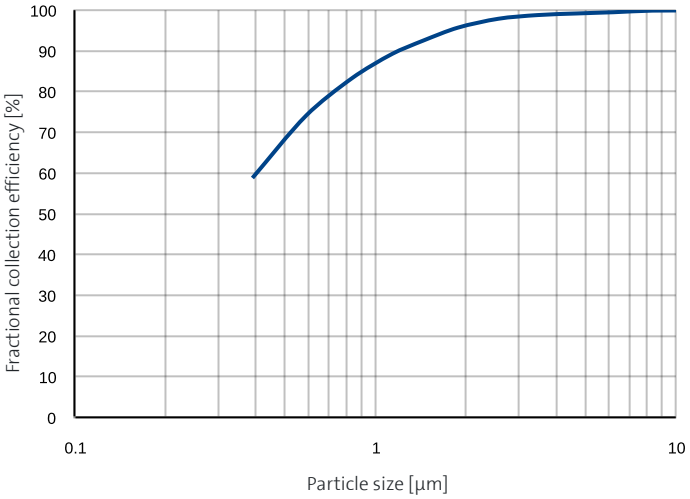
KEY DATA	MX95-M-0592x0592x292x25-Z08N-O84	MX95-MB-0592X0592X292X25-Z08N-O84	MX95-R-0592x0592x292x25-Z08D-O84
Article number	73076795	73077038	73076507
Filter class acc. to EN 779:2012	F8	F8	F8
Filter class acc. to ISO 29461-1	ISO T7	ISO T7	ISO T7
Class to ISO 16890	ISO ePM1 65%	ISO ePM1 65%	ISO ePM1 65%
Particulate matter efficiency ISO ePM1 [%]	68	68	68
Particulate matter efficiency ISO ePM2,5 [%]	76	76	76
Particulate matter efficiency ISO ePM10 [%]	92	92	92
Nominal volume flow [m³/h]	4,250	4,250	4,250
Initial pressure drop [Pa]	150	150	130
Recommended final pressure drop [Pa]	650	650	650
Cut off particle size [µm]	4	4	4
Dust holding capacity (AC Fine / 625 Pa) [g]	750	750	790
Filter area [m²]	18.0	18.0	21.0

KEY DATA	MX95-M-0592x0592x292x25-Z08N-O84	MX95-MB-0592X0592X292X25-Z08N-O84	MX95-R-0592x0592x292x25-Z08D-O84
Packaging unit [units/carton]	1	1	1
Frame	Molded frame	Molded frame with bolts	Box type, Extrusion
Weight [kg]	7.0	7.0	7.0
Thermal stability [°C]	80	80	80

KEY DATA	MX95-R-0592x0490x292x25-Z08N-O84	MX95-R-0592x0287x292x25-Z08N-O84
Article number	73076487	73076486
Filter class acc. to EN 779:2012	F8	F8
Filter class acc. to ISO 29461-1	ISO T7	ISO T7
Class to ISO 16890	ISO ePM1 65%	ISO ePM1 65%
Particulate matter efficiency ISO ePM1 [%]	68	68
Particulate matter efficiency ISO ePM2,5 [%]	76	76
Particulate matter efficiency ISO ePM10 [%]	92	92
Nominal volume flow [m³/h]	3,500	2,000
Initial pressure drop [Pa]	150	150
Recommended final pressure drop [Pa]	650	650
Cut off particle size [µm]	4	4
Dust holding capacity (AC Fine / 625 Pa) [g]	730	325
Filter area [m²]	14.5	7.5
Packaging unit [units/carton]	1	2
Frame	Extrusion	Extrusion
Weight [kg]	6.0	4.0
Thermal stability [°C]	80	80

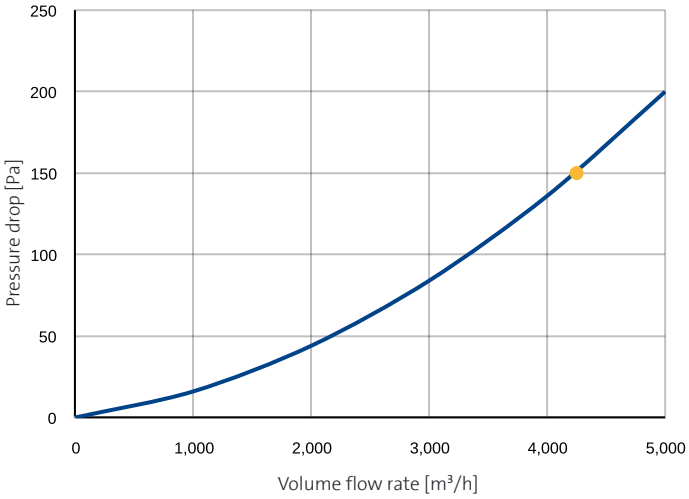
Fractional collection efficiency curve

- MX95-M-0592x0592x292x25-Z08N-O84



Initial pressure drop curve

- MX95-M-0592x0592x292x25-Z08N-O84
- Nominal design point



MEDIA AND CONSTRUCTION CHARACTERISTICS

- High-strength micro-glassfiber media with a special thermoplastic bonding system and hydrophobic coating.
- Optimum V-shaped pleat geometry ensures full utilization of the filtering area and uniform dust deposition plus homogeneous air flow.
- Leak-proof casting of the dimensionally stable pleat pack in the distortion-resistant plastic frame.
- Protection grids on both sides minimize the risk of damage; gripping lugs facilitate mounting and removal.
- Frame and protection grids are made of halogen-free plastic to IEC 61249-2-21:2003.
- Standard version with 25 mm front frame thickness.
- Available upon request: with a 20.5 mm thick / or without a front frame, with foamed-on PU gasket.
- An optional water barrier reduces intaken water from reaching the clean-air side.
- Corrosion-free and fully incinerable as it contains no metal parts.
- Microbiologically inactive, VDI 6022 guideline compliant.

Food safe

FEATURES

- Proven in critical site conditions, high volume flows and when process safety does not permit any compromises.
- Long useful lifetime due to low average pressure drop and very slow pressure drop increase.
- Extremely resilient and very safe against against dust penetration due to dimensionally stable construction.
- Part of the Viledon modular clip-on system: can be combined in a positive fit by simple plug-on into a 2-in-1 filter solution.
- Also available in:
  - filter classes ISO ePM1 ≥ 95% and E 12
  - 140 mm depths
  - with and without a front frame / gasket.
- MaxiPleat filters MX 75/85/95/98 are also available in boxtype version. They offer an extended front opening and filter area for increased dust holding capacity.

MaxiPleat boxtype version

8565-24102024-1059-EN

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The information or figures given are subject to tolerances due to normal production fluctuations. Our explicit written confirmation is required in each case for the correctness of the information. 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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