

# CASSETTE FILTERS

## MAXIPEAT | FINE DUST



SPECIFICATIONS	
Filter medium	Micro-glass-fiber paper
Recommended final pressure drop	650 Pa
Bursting pressure	> 6,000 Pa
Thermal stability	up to 70 °C
Moisture resistance	100% rel. hum.
Frame	Without (D), 25 mm front frame, halogen-free plastic (N)
Seal	Without (Z0), on request foamed-on PU seal (N1)
Protection grids	On both sides, halogen-free plastic

### Application

Viledon® MaxiPleat cassette filters offer maximized operational dependability and cost-efficiency for intake, exhaust and recirculating air filtration in air-conditioning systems with stringent requirements for clean air quality, particularly in the case of critical local conditions, high volume flows, restricted space available, and when process dependability does not tolerate compromises, e.g.

- in intake air filtration of turbomachinery,
- in industrial processes (chemicals, pharmaceuticals, food and beverages, optics, electronics, surface treatment technology, etc.),
- in sophisticated air-conditioning technology (laboratories, museums, airports, office buildings, etc.),
- as “police filters” in dust removal systems.

### Delivery notes

MaxiPleat cassette filters are also available in 140 mm construction depth as well as with and without PU seal. N = with 25 mm front frame; U = with 20.5 mm front frame; D = without front frame. An optional water barrier reduces the passage of intake water to the clean air side. Customized dimensions are available on request.

### Features and benefits

- The optimum V-shaped pleat geometry of the filter medium, as created by the thermal embossing process, enables the entire filtering area to be utilized, with uniform dust loading, and a homogeneous media velocity with a low average pressure drop.
- The high dust holding capacity of the MaxiPleat filters, in conjunction with a low pressure drop and superlative constructional stability, ensures cost-efficient and dependable operation over a very long operational lifetime.
- Casting the dimensionally stable pleat package in the torsion-resistant plastic frame assures exceptional sturdiness plus high security against dust breakthrough. Gripping lugs facilitate installation and removal, and the protection grid on both sides minimizes the risk of damage to the filter medium.
- Optionally installed pins can be used for combination with other pre- or final filters for a 2-in-1 system solution by using the patented-Viledon® modular clip-on system.
- MaxiPleat filters meet in full the requirements laid down in VDI 6022.

ARTICLE	ARTICLE NUMBER	DIMENSIONS (H×W×D) [mm]	FILTER AREA [m²]	NOMINAL VOLUME FLOW [m³/h]	DUST HOLDING CAPACITY (AC FINE/800 Pa) [g]	INITIAL PRESSURE DROP [Pa]	FILTER CLASS ACC. TO EN 779:2012	CLASS TO ISO 16890	PARTICULATE MATTER EFFICIENCY [%]			ENERGY EFFICIENCY CLASS*
									ISO ePM1	ISO ePM2,5	ISO ePM10	
MX75-R-0592x0287x292x25-Z08N-A84	53360086	592×287×292	7.5	2,000	960	135	M6	ISO ePM10 85%	55	60	85	
MX75-R-0592x0490x292x25-Z08N-A84	53360087	592×490×292	14.5	3,500	1,850	135	M6	ISO ePM10 85%	55	60	85	
MX75-R-0592x0579x292x25-N18N-A84	53360088	592×579×292	17.5	4,150	2,240	135	M6	ISO ePM10 85%	55	60	85	
MX75-R-0592x0592x292x25-Z08D-A84	53392076	592×592×292	21.0	4,250	2,600	105	M6	ISO ePM10 85%	56	61	85	
MX75-M-0592x0592x292x25-Z08N-A84	53415630	592×592×292	18.0	4,250	2,300	135	M6	ISO ePM10 85%	55	60	85	
MX85-R-0287X0287X292X25-Z08N-B84	53400130	287×287×292	4.3	1,000	550	140	F7	ISO ePM2,5 65%	60	69	88	
MX85-R-0592x0287x292x25-Z08N-B84	53360039	592×287×292	7.5	2,000	790	140	F7	ISO ePM2,5 65%	60	69	88	
MX85-R-0592x0490x292x25-Z08N-B84	53360040	592×490×292	14.5	3,500	1,530	140	F7	ISO ePM2,5 65%	60	69	88	
MX85-R-0592X0579X292X25-N18N-B84	53360043	592×579×292	17.5	4,150	1,850	140	F7	ISO ePM2,5 65%	60	69	88	
MX85-R-0592X0592X292X25-Z08D-B84	53375079	592×592×292	21.0	4,250	2,200	110	F7	ISO ePM2,5 65%	60	70	89	
MX85-M-0592x0592x292x25-Z08N-B84	53415632	592×592×292	18.0	4,250	1,900	140	F7	ISO ePM2,5 65%	60	69	88	
MX95-R-0592x0287x292x25-Z08N-C84	53360024	592×287×292	7.5	2,000	710	150	F8	ISO ePM1 75%	76	82	94	B
MX95-R-0592x0490x292x25-Z08N-C84	53360025	592×490×292	14.5	3,500	1,370	150	F8	ISO ePM1 75%	76	82	94	B
MX95-R-0592x0579x292x25-N18N-C84	53358070	592×579×292	17.5	4,150	1,650	150	F8	ISO ePM1 75%	76	82	94	B
MX95-R-0592x0592x292x25-Z08D-C84	53370948	592×592×292	21.0	4,250	1,900	120	F8	ISO ePM1 75%	77	83	94	B
MX95-M-0592x0592x292x25-Z08N-C84	53415637	592×592×292	18.0	4,250	1,700	150	F8	ISO ePM1 75%	76	82	94	B
MX98-R-0592x0287x292x25-Z08N-D84	53360019	592×287×292	7.5	2,000	630	175	F9	ISO ePM1 85%	88	92	97	B
MX98-R-0592x0490x292x25-Z08N-D84	53360020	592×490×292	14.5	3,500	1,210	175	F9	ISO ePM1 85%	88	92	97	B
MX98-R-0592x0579x292x25-N18N-D84	53360021	592×579×292	17.5	4,150	1,460	175	F9	ISO ePM1 85%	88	92	97	B
MX98-R-0592x0592x292x25-Z08D-D84	53372259	592×592×292	21.0	4,250	1,700	135	F9	ISO ePM1 85%	89	92	97	B
MX98-M-0592x0592x292x25-Z08N-D84	53415639	592×592×292	18.0	4,250	1,500	175	F9	ISO ePM1 85%	88	92	97	B