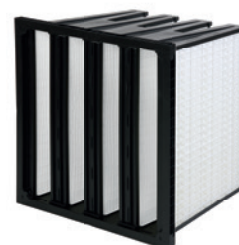


MVPGT-L CASSETTE FILTERS – EXTENDED FILTER SURFACE FOR LONG USEFUL LIFETIMES

FINE FILTERS FOR GAS TURBINES AND COMPRESSORS

FILTER TYPE	FILTER CLASS TO ISO 16890	FILTER CLASS TO EN 779:2012	FILTER CLASS TO EN 1822:2009
MVPGT95-L	ISO ePM1 70 %	F 8	–
MVPGT98-L	ISO ePM1 85 %	F 9	–
MVPGTE10-L	ISO ePM1 > 95 %	–	E 10
MVPGTE11-L	ISO ePM1 > 95 %	–	E 11



The application

Viledon® MVPGT-L cassette filters offer operational reliability and cost efficiency for intake air filtration of

- gas turbines in power generation and in the oil and gas industry
- compressors and diesel and gas engines

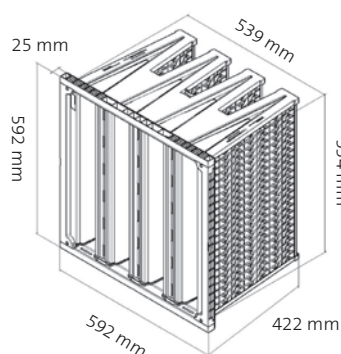
The characteristics

- MVPGT-L filters are constructed for simple handling at installation.
- Micro-glassfiber papers with hydrophobic fibers 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.
- For high performance requirements MVPGT-L cassette filters are optimized in terms of an extended filter surface of 30 m².
- The 4-sided leak-proof casting of the dimensionally stable media pleat pack and frame components provides

high burst strength, as well as excellent security against dust penetration during operation.

The special features

- MVPGT-L cassette filters are supplied with burst protection grids fitted to minimize risk of damage to the filter during operation and optionally with a foamed-in place gasket.



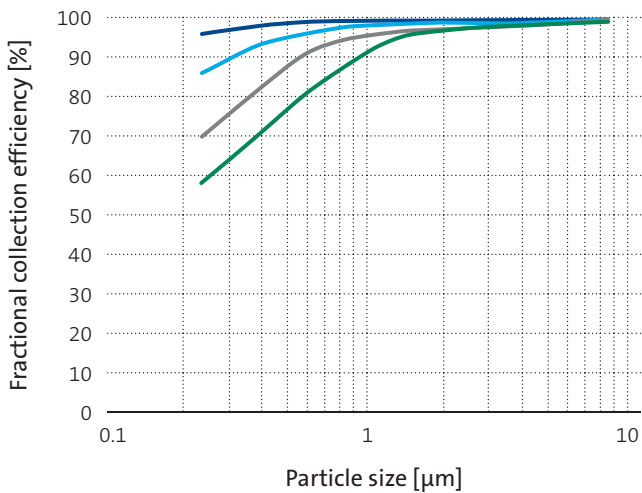
- The recessed vertical rails allow full usage of a directly attached prefilter panel resulting in longer lifetimes and lower pressure drops.
- A lug between the two inner V's allows easy handling.
- The frame offers various possibilities for the installation of clips to hold prefilters.
- Optionally installed pins can be used for combination with other pre- or final filters by using the patented Viledon® modular clip-on system.
- For demanding coastal, industrial or offshore conditions we recommend our field-proven eMaxx and MaxiPleat cassette filter range.

GEOMETRIES AVAILABLE		1/1
Nominal volume flow rate	m ³ /h	4,250 / 3,400
Filtering area	m ²	30
Front frame for mounting frame	mm	592 × 592 × 25 610 × 610
Overall depth	mm	422
Weight, approx.	kg	10.5
Temperature-resistance	°C	70
Moisture-resistance (rel. hum.)	%	100

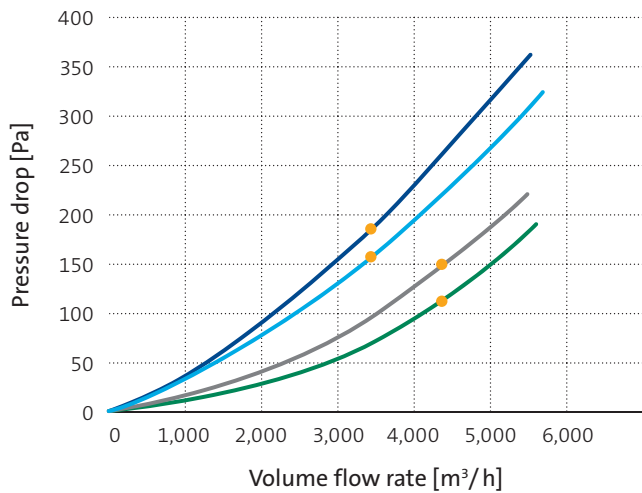


TECHNICAL FILTER TEST DATA TO EN 779 AND ISO 16890

Fractional collection efficiency curves



Initial pressure drop curves



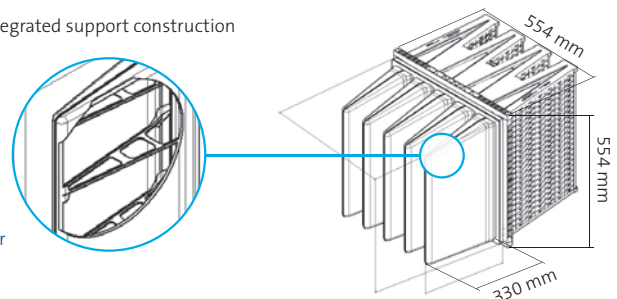
— MVPGTE11-L — MVPGTE10-L — MVPGT98-L — MVPGT95-L ● Nominal volume flow rate

KEY DATA		MVPGT95-L	MVPGT98-L	MVPGTE10-L	MVPGTE11-L
Nominal volume flow rate ●	m ³ /h	4,250	4,250	3,400	3,400
Initial pressure drop	Pa	120	150	155	180
Class to ISO 16890		ISO ePM1 70%	ISO ePM1 85%	ISO ePM1 > 95%	ISO ePM1 > 95%
Particulate matter efficiency					
ISO ePM1		70	86	95	98
ISO ePM2,5	%	78	91	97	99
ISO ePM10		93	97	99	> 99
Cut-off particle size	µm	4	2.5	1	0.5
Filter class to EN 779:2012		F8	F9	E10	E11
EN 1822:2009					
Minimum efficiency for MPPS	%	—	—	≥ 85	≥ 95
Recom. final pressure drop*	Pa	600			
Maximum final pressure drop	Pa	1,000			

* 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.

Integrated support construction

MVPGT-L filter with clipped-on hydroMaxx reverse pocket filter for optimum moisture removal



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.