

FILTER MATS OF THE P 15 SERIES

THE ULTRA-DURABLE FILTER MATS

FILTER TYPE	FILTER CLASS TO ISO 16890	FILTER CLASS TO EN 779:2012
P 15 / 150 S	ISO coarse 30%	G2
P 15 / 350 S	ISO coarse 55%	G3
P 15 / 500 S	ISO coarse 75%	G4



The application

The P 15 series comprises the following familiar and yet continually enhanced Viledon® filter mats

- P 15 / 150 S
- P 15 / 350 S
- P 15 / 500 S

All the types in this series are tough, high performance products, suitable for filtration in all kinds of ventilation systems.

The media and their characteristic features

- The mats are made of high performance nonwovens produced inhouse from elastic, break-resistant polyolefine fibers with thermal bonding.
- P 15 / 350 S and P 15 / 500 S are progressive in structure, with layers being arranged behind each other so as to ensure that the density of the fiber layers increases towards the clean air

side. This optimizes the defined filter performance and the dust holding capacity, resulting in longer useful lifetime for the filter concerned.

- Fire behaviour: Viledon® filter media satisfy the stringent requirements of Fire Class F 1 according to DIN 53438 and are thus self-extinguishing.
- Certified quality: P 15 filter mats have been tested according to EN 779 and ISO 16890 and are manufactured under our certified quality management system to ISO 9001. This offers all users the reassuring certainty that all filters will be supplied in consistently high standardized quality, documented by marking the filter mat with brand name, type designation and filter class.

The special features of the P 15 series

- High arrestance throughout their entire useful lifetime, thus providing maximized operational reliability.

- The high mechanical strength of the material used offers good dimensional stability throughout the operational lifetime, even when handling large air volumes, thus ensuring dependable operation of the filter system concerned.
- Thanks to the polyolefine fibers used in the medium, P 15 filter mats are widely resistant to chemicals like solvents, acids and alkalis. They must be protected against continuous UV radiation.
- The filter mats are cleanable by careful washing, beating or spraying. Even after washing, the filter mats remain dimensionally stable, thus retaining their technical filtering properties.
- Our environment-friendly filter series for users interested in avoiding waste and cutting their filter costs.

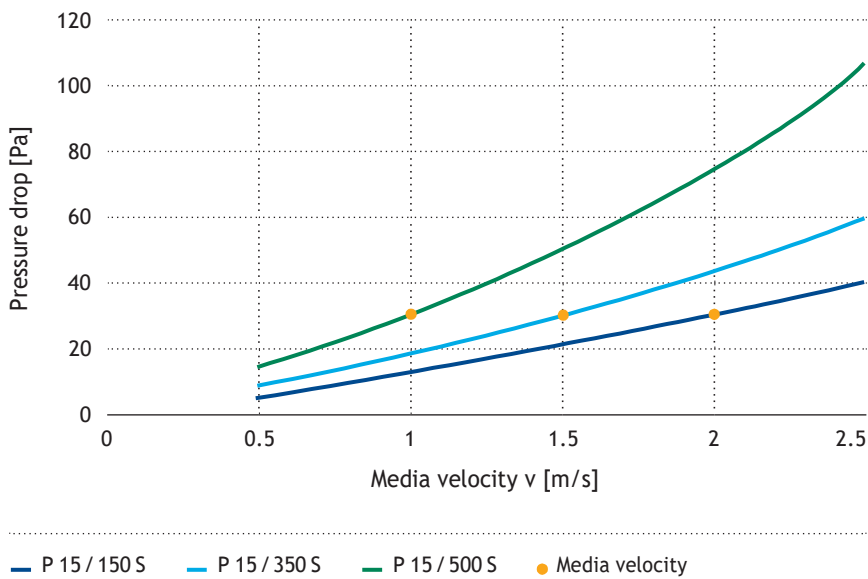
GEOMETRIES AVAILABLE		P 15 / 150 S	P 15 / 350 S	P 15 / 500 S
Nominal media velocity	m / s	2	1.5	1
Weight, approx.	g / m ²	100	200	350
Thickness, approx.	mm	8	14	20
Thermal stability	°C	up to 100		
Moisture-resistance (rel. hum.)	%	up to 100		
Supplied as rolls, useful width / length	mm / m	2,000 / 40	2,000 / 30	2,000 / 20
Supplied as cut pieces / rolls	mm	to customer's specification		

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TECHNICAL FILTER TEST DATA TO EN 779 AND ISO 16890

Initial pressure drop curves



KEY DATA		P 15 / 150 S	P 15 / 350 S	P 15 / 500 S
Examination surface	m ²		0.37	
Nominal media velocity ●	m / s	2	1.5	1
Initial pressure drop	Pa		30	
Class to ISO 16890		ISO coarse 30%	ISO coarse 55%	ISO coarse 75%
Initial arrestance	%	33	57	75
Filter class to EN 779:2012		G2	G3	G4
Recom. final pressure drop *	Pa		250	
Dust holding capacity approx. AC fine up to 200 Pa	g / m ²		700	

* For cost-efficiency or system-specific reasons it may be appropriate to change the filters before reaching the final pressure drop stated.

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.

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