

WINAIR 45 POCKET FILTER



THE BUDGET ALTERNATIVE FOR A GOOD PREFILTRATION

FILTER TYPE	FILTER CLASS TO ISO 16890	FILTER CLASS TO EN 779:2012
WinAir45	ISO coarse 65%	G4



The application

The WinAir45 coarse filter provides stable arrestance of coarse dusts. The filter is particularly suitable as prefilter and improves the protection of downstream filter stages.

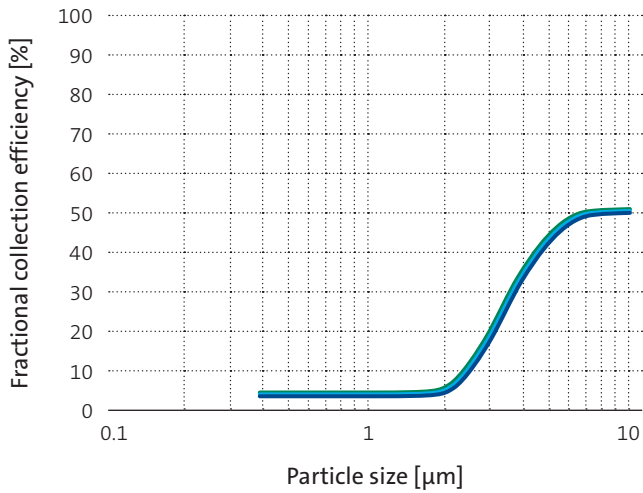
The special features and benefits

- Very good filtration characteristics thanks to progressively structured filter media made of synthetic-organic fibers.
- Filter pockets foamed into the PU front frame, and welded in a leak-proof configuration.
- Pocket forming through integrated welded seams.
- WinAir45 pocket filters are **microbiologically inactive** and meet all hygiene requirements of the German VDI Guideline 6022 "Hygiene requirements for HVAC systems and units".
- Free of glass fibers, non-corroding, moisture-resistant up to 100% relative humidity, self-extinguishing under DIN 53438 (Fire class F1).
- Simple and secure installation, suitable for all commonly used mounting frames.

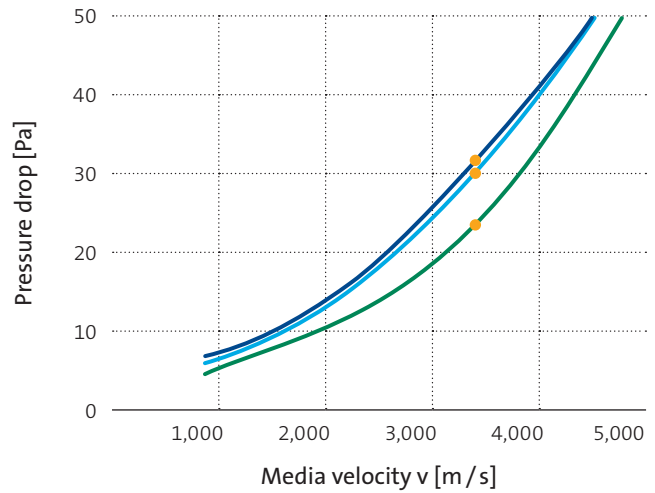
GEOMETRIES AVAILABLE		WinAir45 1/1 5L 5M 5S	WinAir45 5/6 4L 4M 4S	WinAir 45 1/2 3L 3M 3S	WinAir 45 1/4 4L 4M 4S
Nominal volume flow rate	m ³ /h	3,400	2,700	2,000	1,200
Front frame	mm	592×592	492×592	289×592	289×289
Overall depth	mm	625 510 330	625 510 330	625 510 330	650 510 330
Number of pockets		5	4	3	4
Effective filtering area	m ²	3.8 3.2 2.0	3.0 2.5 1.6	2.3 1.9 1.2	1.4 1.1 0.7
Weight, approx.	kg	1.4 1.3 1.2	1.2 1.1 0.9	1.0 0.8 0.7	0.6 0.6 0.5
Thermal stability	°C	70			
Moisture-resistance (rel. hum.)	%	100			
Suitable for standard mounting frame	mm	610×610	508×610	305×610	305×305

TECHNICAL FILTER TEST DATA TO EN 779 AND ISO 16890

Fractional collection efficiency curve



Initial pressure drop curves



— WinAir 45 1/1 5L — WinAir 45 1/1 5M — WinAir 45 1/1 5S ● Nominal volume flow rate

KEY DATA		WinAir 45 1/1 5L	WinAir 45 1/1 5M	WinAir 45 1/1 5S
Nominal volume flow rate	● m ³ /h		3,400	
Face velocity	m/s		2.7	
Initial pressure drop	Pa	25	30	32
Class to ISO 16890		ISO coarse 65%		
Particulate matter efficiency				
ISO ePM1		—	—	—
ISO ePM2,5	%	—	—	—
ISO ePM10		43	44	45
Filter class to EN 779:2012		G4		
Recom. final pressure drop*	Pa	250		

* 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.

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.