

FILTER TYPE	FILTER CLASS	NOMINAL VOLUME FLOW RATE [m³/h]	TEST STANDARD
MP45K	G3	4,250	EN 779
MP45K	G4	3,400	EN 779



The application

The MP45K filter cells are used for prefiltration in ventilation and air-conditioning equipment as well as in air intake systems and here extend the useful lifetimes of the downstream high-performance filters.

The frame is made of sturdy polypropylene plastic, and glued to the pleated filter medium at the four interior sides of the frame in a dust-proof configuration. A protection grid on the downstream side enhances the filter's stability.

They can be substituted for almost all commercially available filter cells and filter mats in replaceable frames.

The special features

The complete filter element is moisture-resistant up to 100% relative humidity, so that the dimensional stability is assured. The maximum temperature for thermal stability is 70°C. Frame and filter medium are self-extinguishing to DIN 53438 (Fire class F1).

The filter media and the design

The filter medium used is a progressively structured nonwoven made from break-resistant synthetic-organic fibers.

KEY DATA		MP45K	
Filter class to EN 779		G3	G4
Nominal volume flow rate	m³/h	4,250	3,400
Face velocity	m/s	3.3	2.7
Initial pressure drop	Pa	95 60	75 50
Average arrestance	%	88	90
Recom. final pressure drop	Pa	200	
Length / Width	mm	595 × 595*	
Overall depth	mm	48 96	
Effective filtering area	m²	1.1 2.0	

* Besides the 595 × 595 mm size, a large number of other frame sizes are available in overall depths of 48 and 96 mm.

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.