

FILTER TYPE	FILTER CLASS	NOMINAL VOLUME FLOW RATE [m³/h]	TEST STANDARD
MP45 KTC	G4	3,400	EN 779



The application

The MP45KTC filter cells are used for prefiltration of supply, exhaust and recirculated air in ventilation systems and here extend the useful lifetimes of the downstream high-performance filters.

They can simply be plugged onto the Viledon MaxiPleat filters. This allows a prefilter stage to be inserted without any structural modifications.

The filter media and the design

The filter medium used is a progressively structured, thermally bonded nonwoven made from break-resistant synthetic-organic fibers. The pleated filter medium is stabilized by horizontal hot-melt threads on both sides, and integrated in the sturdy nonwoven frame by hot-melt compound in a dust-proof configuration.

The special features

- Four connection holes are incorporated in the frame corners of the clean-air side. Thus the prefilter can simply be plugged onto the already-installed MaxiPleat main filter equipped with black connecting pins. The connecting pins engaged in the main filter cannot be removed. The plugged-on MP 45 KTC prefilter can, however, be easily removed again and replaced. Even while the intake air system is actually running, the prefilter can be quickly and securely replaced.
- Velcro fastenings to the main filter make for increased stability during operation. On request, additional metal clamps are available, for ensuring secure retention in over-head configurations.

- The entire filter element is metal-free and thus non-corroding and fully incinerable.
- The filter cells are moisture-resistant up to 100% rel. humidity and thermally stable up to 70°C.
- Frame and filter medium are self-extinguishing to DIN 53438 (Fire class F1).



KEY DATA		MP45 KTC
Filter class to EN 779		G4
Nominal volume flow rate	m³/h	3,400
Face velocity	m/s	3.1
Initial pressure drop	Pa	50
Average arrestance	%	91
Recom. final pressure drop	Pa	250
Length /Width	mm	555 × 555*
Overall depth	mm	92
Effective filtering area	m²	2

* Besides the 555 × 555 mm size, the filter is also available in 595 × 595 mm. This size is available only without connection holes and without Velcro fastenings.

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.