

Filter cells

MP 45 | Coarse dust



Specifications	
Thermal stability	up to 70 °C
Moisture resistance	100% rel. hum.

Principal application category

Filter cells are used for prefiltration in ventilation and air-conditioning units, and in intake air systems and lines, so as to extend the operational lifetimes of the downstream fine filters.

Almost all commercially available filter cells and filter mats can be replaced in the removable frame by the filter cells MP 45 (frame material cardboard) and MP 45 K (frame material plastic).

The MP 45 KTC filter cells can be used as prefilters for the Viledon® MaxiPleat filters, simply by clipping them on thus enabling another filter stage to be inserted without any structural modifications.

Characteristics and pluses of the MP 45 KTC

- Four coupling holes (L) are provided in the frame corners of the clean air side. This means the prefilter can be simply clipped onto an already-installed MaxiPleat basic filter fitted with black connecting pins. The connecting pins anchored in the basic filter can no longer be detached. The MP 45 KTC prefilter, however, can easily be removed again and replaced. Even while the intake air system is still operating, the prefilter can be quickly and safely replaced.
- Velcro fastenings (KB) to the main filter increase the retention forces during operation. Additional metal brackets are available on request, which secure the filter in place when it is installed overhead.
- The entire filter element contains no metal, and is therefore non-corroding and fully incinerable.

Delivery notes

Customized dimensions and regionally divergent versions are available on request.

Article	Article number	Dimensions (W × H × D) [mm]	Filter class	Nominal volume flow [m³/h]	Initial pressure drop [Pa]	Average arrestance [%]	Face velocity [m/s]	Recommended final pressure drop [Pa]	Filter area [m²]	Frame
MP 45 0595x0595x96	53307806	595 × 595 × 96	G 3	4,250	60	88	3.3	200	2.0	Cardboard
MP 45 K 0595x0595x96	53408851	595 × 595 × 96	G 3	4,250	60	88	3.3	200	2.0	Plastic
MP 45 0595x0595x48	53349216	595 × 595 × 48	G 3	4,250	95	88	3.3	200	1.1	Cardboard
MP 45 K 0595x0595x48	53401206	595 × 595 × 48	G 3	4,250	95	88	3.3	200	1.1	Plastic
MP 45 0595x0595x96	53307806	595 × 595 × 96	G 4	3,400	50	90	2.7	200	2.0	Cardboard
MP 45 K 0595x0595x96	53408851	595 × 595 × 96	G 4	3,400	50	90	2.7	200	2.0	Plastic
MP 45 0595x0595x48	53349216	595 × 595 × 48	G 4	3,400	75	90	2.7	200	1.1	Cardboard
MP 45 K 0595x0595x48	53401206	595 × 595 × 48	G 4	3,400	75	90	2.7	200	1.1	Plastic
MP 45 KTC 0555x0555x092 IK3	53374950	555 × 555 × 92	G 4	3,400	50	91	3.1	250	2.0	Nonwoven
MP 45 KTC 0555x0555x092 ID	53386678	555 × 555 × 92	G 4	3,400	50	91	3.1	250	2.0	Nonwoven

Subject to technical changes.