

cassette filters

UltraKas



50

1. Synthetic nonwovens
- 100% polyester
2. Low pressure drop
3. Long filter lifespan
4. Resistance to humidity
5. Flame retardant (F1 acc. DIN 53438)
6. Standard & special dimensions

ISO 16890 Class: ISO Coarse 50%,
ISO Coarse 80%, ePM10 50%

*Final pressure drop derived from
the filter test standard: 200 Pa

EN 779:2012 Class: G3, G4, M5

*Final pressure drop derived from
the filter test standard: 250 Pa

Average filtration rate [A_m]: >90%

Efficiency: >25%<35%

Max. operating temperature: 80°C

Permissible humidity: <100%

Filtration material: innovative pleated synthetic material. UltraKas filters have a low initial drop, and because of the stiffened material, they can be used without the reinforcing nets. The bonding between the filter medium and the casing ensures stabilization of the nonwoven fabric and 100% tightness.

Construction: UltraKas filter technology is designed to increase the filtration area and dust absorption, which translates to longer filter service life. The pleated synthetic nonwoven is glued into a galvanized steel or stainless steel frame. Thanks to the use of high-quality glue, we can be sure that the insert is safely kept in the frame even at a very high air flow. Standard-depth filters can be made in a plastic frame.

Application: pre-filtration air filters for air conditioning, ventilation and heating systems. Due to high dust absorption at low pressure drops, the filters can be used in public buildings as well as in food, pharmaceutical and machine industries.

* The final operating pressure drop of the filters should be checked in the technical documentation or consulted with the manufacturer of the equipment being operated.

Technical data

Product	Dimensions [mm]			Filtration Area[m ²]	Air Flow Rate [m ³ /h]	Initial pressure drop [Pa]		
	W	H	D			G3/ISO Coarse 50%	G4/ISO Coarse 80%	M5/ePM10 50%
UltraKas	287	287	48	0,20	850	55	65	75
	287	287	96	0,23	1000	65	75	85
	287	592	48	0,42	1700	55	65	75
	287	592	96	0,48	2100	65	75	85
	490	592	48	0,73	2800	55	65	75
	490	592	96	0,83	3400	65	75	85
	592	592	48	0,88	3400	55	65	75
	592	592	96	1,00	3400	50	60	70

We reserve the right to make changes to the technical specifications at any time without prior notice, resulting from the continuous improvement of our products.