KS FP V3

Compact filter

Filtration class according to EN 779:2012

M6, F7, F9

Delivery options

592 (w) × 287 (h) × 292 (d) mm
592 (w) × 490 (h) × 292 (d) mm
592 (w) × 592 (h) × 292 (d) mm
287 (w) × 287 (h) × 292 (d) mm

Possibility of regeneration

no

Plus service · HVAC · High efficiency · Low energy demand · Hygienically harmless · Industry

Filter properties

The design of the compact filter with 3 cassettes V3 achieves lower initial pressure losses compared with the 4 cassette compact filters type. The filtering area remains the same thanks to a higher minipleat. When these filters are used as replacement for pocket filters, the longer time of use with lower pressure losses guarantee substantial savings of energy costs. Handles situated in the upper part of the compact filter enable easier handling and elimination of damage to the filter medium.

Field of application

Pre-filtering and main filtering of fine dust particles and aerosols in filtration classes F6 - F9 in all air-handling devices in office buildings, hospitals, computer centres, pharmaceuticals production plants, precision mechanics and food-processing plants.

Materiál

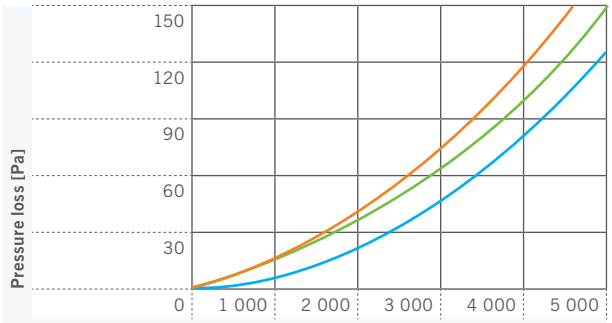
Glass submicr. filter paper, robust plastic frame, copolymer, thermoplastic separators

Waste disposal

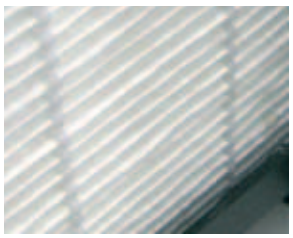
Incineration without emissions of harmful substances.

Pressure loss diagram

M6 F7 F9



for dimensions 592 × 592 × 292 mm



Technical data	Unit of measure	KS FP V3		
Filtration class according to EN 779:2012	–	M6	F7	F9
Mean efficiency level (gravimetric)	%	98	99	~100
Mean efficiency level (atmospheric)	%	70	82	96
Nominal air flow rate for a filter element of dimensions 592 × 592 × 292 mm	m³/h	4,250	4,250	4,250
Initial pressure loss at nominal load	Pa	93	113	132
Recommended final pressure loss	Pa	450	450	450
Operating conditions	max. relativ. air humidity 100 %, thermally resistant to 65 °C, for a short period max. up to. 80 °C			