

Two-phase combination of M6-F9 filters

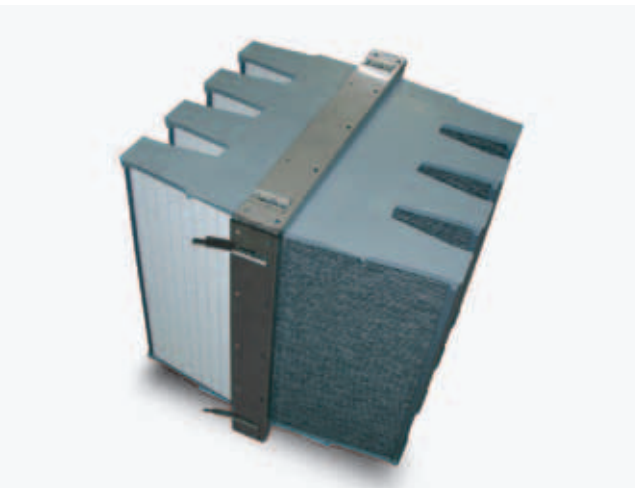
Filter units for pipelines – integrated structures

Filtration class according to EN 779:2012

M6, F9

Delivery options

according to the KS RS 120 frame dimensions and parameters of airhandling and used filters



Features

A two-phase combination of filters consists of a KS FP filter for dust particles and a KS AFP adsorption filter for suppression of gases. They are mounted together into KS RS type mounting frames designed for this purpose. Both filter elements are placed one to another by flange sides and they are attached together into the KS RS mounting frame.

Field of application

Separation of very fine dust and airborne dust particles, harmful substances in air (so-called anthropogenic substances), smog, ozone, exhaust gases from internal combustion and diesel engines, kerosene, benzene and alcohol vapours, vapours from thinners. Elimination of putrid, body, civilisational and hospital odours and odours from food.

Waste disposal

Landfilling or incineration in authorised incineration plants.

First filtration stage	KS FP-M6	KS FP-F7	KS AFP-AZ
Filtration purpose	particles	částice	gases (VOC)
Filtration class according to EN 779:2012	M6	F7	–
Efficiency according to EN 779:2012	60–80 %	80–90 %	–
Separation capacity for toluene	–	–	≥ 95%
Second filtration stage	KS FP-F9	KS AFP-AZ	KS AFP-AS
Filtration purpose	particles	plyny (VOC's)	acidic gases
Filtration class according to EN 779:2012	F9	–	–
Efficiency according to EN 779:2012	98 %	–	–
Separation capacity for toluene	–	≥ 95%	–
Separation efficiency for SO ₂ and HCl	–	–	≥ 95%
Total data for the two-phase combination of filters (dimension 610)			
Volume flow rate (m ³ /hod) (normal service life)	4,250	3,400	3,400
Initial pressure loss (Pa)	250	120	120
Nominal volume flow rate (m ³ /hod) – long service life	3,400	1,700	1,700
Initial pressure loss (Pa)	180	40	45
Weight (kg) – including the KS RS type frame	13.1	15.6	18.1