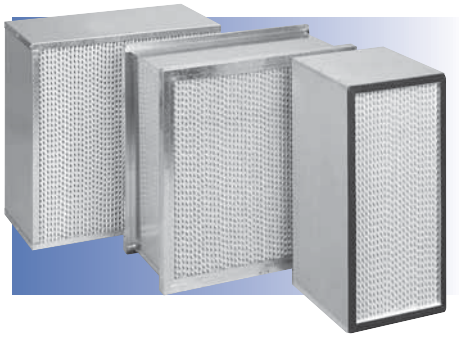


LF - KF

SIGMA high efficiency filters

Product	LF	KF
UNI EN 779 class	F 7	F 7
EUROVENT class	EU 7	EU 7
Em ASHRAE 52.1.1992	80/85 %	80/85 %
Final pressure drop	450 Pa	450 Pa
Maximum operating temperature	90 °C	100 °C
Maximum relative humidity	90 %	100 %

High efficiency SIGMA series LF –KF filters have high filtration efficiency rates. This means these filters are able to meet the strictest air cleanness requirements and can be used in heavy duty conditioning and ventilation systems. The filter media is made of deep pleated glass micro-fiber paper fitted with corrugated aluminium spacers. The frame is constructed of two different materials according to the models: MDF wood for LF filters and galvanized steel sheet for KF filters. The filter medium is fixed to the frame with a polyurethane sealant, the frame is fitted with a single piece gasket. LF –KF high efficiency filters have a low pressure drop level, a high dust holding capacity and offer considerable mechanical resistance. They come in various sizes to suit a wide range of air flow rates.

Applications High efficiency SIGMA series LF –KF are used in conditioning and ventilation units which require high air cleanness levels.
They can be installed in air treatment plants, ventilation units, independent roof top conditioning systems, with proper pre-filters to prevent the rapid clogging of the media. They can also be used in processing plants and industries to assure product quality: food, photography, precision mechanical, mass distribution electronic industries, etc.

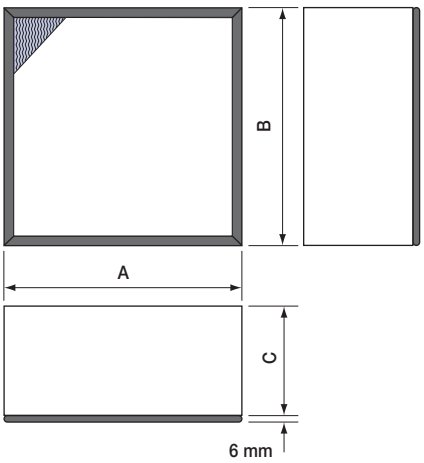
Installation LF –KF filters are installed in duct housings Multimod model, Modulo or in safety housings Canister type; for normal operating conditions use CT 50 counter-frames. The filters can be installed in vertical positions, for horizontal air flows, with vertical pleats, or in horizontal position for vertical air flows from top to bottom. The flanged version (...F) can be installed in CT 20 – CT 10 counter-frames.

Type	Sizes (mm)						Nominal air flow rate Q.		Filtering surface	Initial pressure drop
LF - KF	A		B		C		m³/h	m³/sx10⁻³*	m²	Pa
3	305	x	305	x	149		500	139	2	105
42	305	x	610	x	149		1000	278	3	105
4	610	x	610	x	149		2000	555	6	105
31	305	x	305	x	292		850	236	3	105
52	305	x	610	x	292		1700	472	7	105
5	610	x	610	x	292		3400	944	14	105
6	610	x	762	x	292		4300	1194	17	105
55 F	289	x	595	x	292		1600	444	6	105
54 F	595	x	595	x	292		3200	889	13	105

**1 m³/s x 10⁻³ = 1 l/s*

F: inlet air side flange

Size



Typical curves