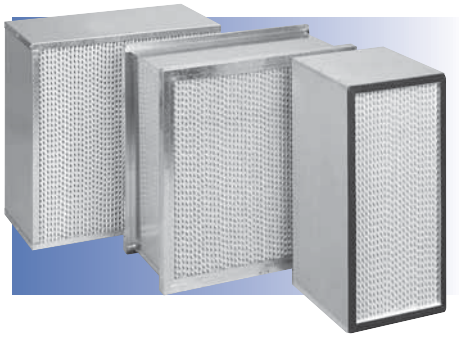


LG - KG

SIGMA high efficiency filters

Product	LG	KG
UNI EN 779 class	F 6	F 6
EUROVENT class	EU 6	EU 6
Em ASHRAE 52.1.1992	60/65 %	60/65 %
Final pressure drop	450 Pa	450 Pa
Maximum operating temperature	90 °C	100 °C
Maximum relative humidity	90 %	100 %

High efficiency SIGMA series LG –KG 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 LG filters and galvanized steel sheet for KG filters. The filter medium is fixed to the frame with a polyurethane sealant (LG) and with glass fiber interposition (KG), the frame is fitted with a single piece gasket. LG –KG 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 LG –KG 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 LG –KG 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.

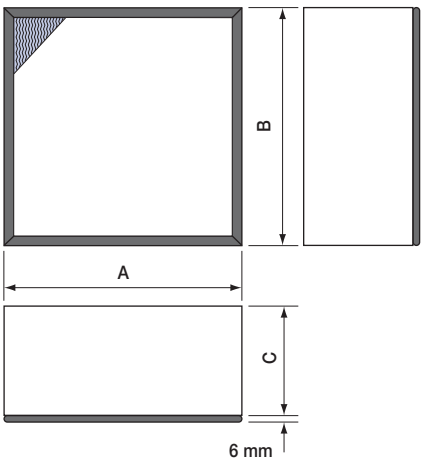
For actual sizes please refer to our Pricelist

Type	Sizes (mm)			Nominal air flow rate Q.		Filtering surface	Initial pressure drop
LG - KG	A	B	C	m³/h	m³/sx10⁻³*	m²	Pa
3	305 x	305 x	149	500	139	2	90
42	305 x	610 x	149	1000	278	3	90
4	610 x	610 x	149	2000	555	6	90
31	305 x	305 x	292	850	236	3	90
52	305 x	610 x	292	1700	472	7	90
5	610 x	610 x	292	3400	944	14	90
6	610 x	762 x	292	4300	1194	17	90
55 F	289 x	595 x	292	1600	444	6	90
54 F	595 x	595 x	292	3200	889	13	90

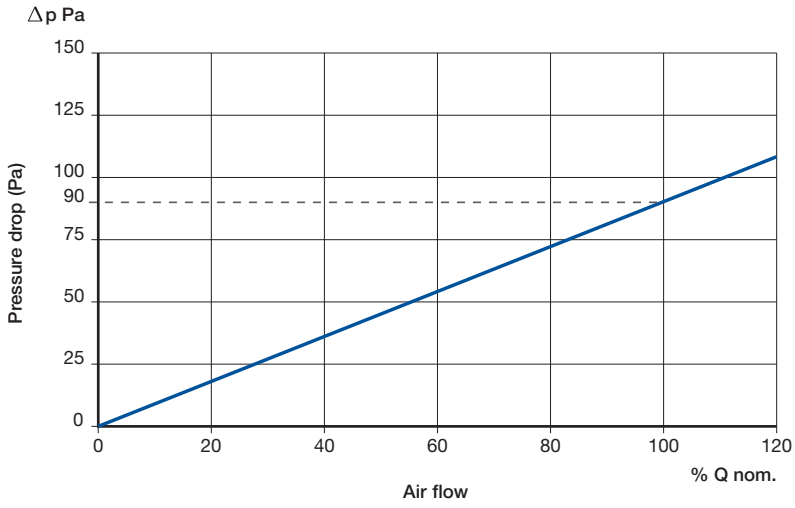
**1 m³/s x 10⁻³ = 1 l/s*

F: inlet air side flange

Size



Typical curves



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