

LMH - KMH

SIGMA high efficiency filters

Product	LMH	KMH
UNI EN 779 class	F 8	F 8
EUROVENT class	EU 8	EU 8
Em ASHRAE 52.1.1992	90 / 95 %	90 / 95 %
Final pressure drop	450 Pa	450 Pa
Maximum operating temperature	70 °C	70 °C
Maximum relative humidity	90 %	100 %

The new series of LMH-KMH SIGMA high efficiency filters are an evolution compared to the previous deep pleated series. Thanks to their high filtration efficiency level, these filters meet the strict requirements of air cleanness and are suitable for use in conditioning and ventilation systems.

The filtering medium is made of a micro-fiber glass sheet, with mini pleats with continuous thermo-plastic separators. The case construction is made of two different materials according to the model: MDF panels for the LMH filters and galvanized sheet steel for the KMH filters.

The filtering medium is bonded to the frame with a polyurethane glue. The frame has a single-piece gasket. The LMH-KMH high efficiency filters have a moderate pressure drop, a high dust holding capacity and ensure a fairly good mechanical resistance. They come in various sizes in order to meet all installation requirements.

Applications LMH-KMH SIGMA high efficiency filters are installed in the conditioning and ventilation systems which require high air cleanness levels. They can be used in air treatment plants and ventilation units,

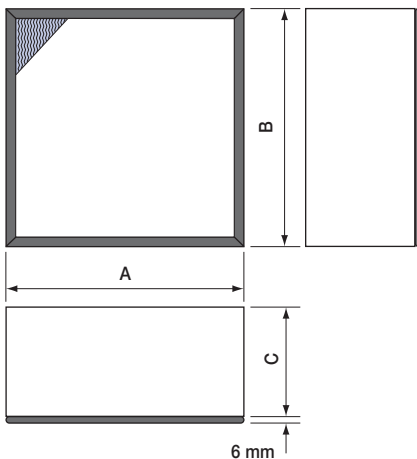
with the appropriate pre-filters to prevent the quick clogging of the medium. They can also be used in processing plants and industries, to ensure the quality of the product, food, photography, mechanics, consumer electronics industries, etc.

Installation The LMH-KMH filters are installed in Multimod, Modulo duct containers or Canister safety containers. CT 50 counter-frames are used for standard installations. The filters can be installed vertically, for horizontal air flows, with vertical pleats, or horizontally for vertical air flows from top to bottom.

Type	Sizes (mm)			Nominal air flow rate Q.		Filtering surface m ²	Initial pressure drop Pa
	A	B	C	m ³ /h	m ³ /sx10 ^{-3*}		
LMH - KMH							
3	305	x 305	x 149	500	139	2	150
42	305	x 610	x 149	1000	278	3	150
4	610	x 610	x 149	2000	555	6	150
31	305	x 305	x 292	850	236	3	150
52	305	x 610	x 292	1700	472	7	150
5	610	x 610	x 292	3400	944	14	150
6	610	x 762	x 292	4300	1194	17	150

*1 m³/s x 10⁻³ = 1 l/s

Size



Typical curves

