

SIGMA series high efficiency filters

TM-LF-KF

Product	TLF	TKF
UNI EN 779 class	F 7	F 7
EUROVENT class	EU 7	EU 7
Em ASHRAE52.1.1992	80/85 %	80/85 %
Suggested final pressure drop	450 Pa	450 Pa
Maximum operating temperature	90 Deg.C	100 Deg.C
Maximum relative humidity	90 %	100 %

High efficiency SIGMA series TLF - TKF filters have high filtration efficiency rates. This means these filters are able to meet the strictest air cleanliness 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 aluminum spacers. The frame is constructed of two different materials according to the models: MDF wood for TLF filters and galvanized steel sheet for TKF filters. The filter medium is fixed to the frame with a polyurethane sealant, the frame is fitted with a single piece gasket. TLF - TKF 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

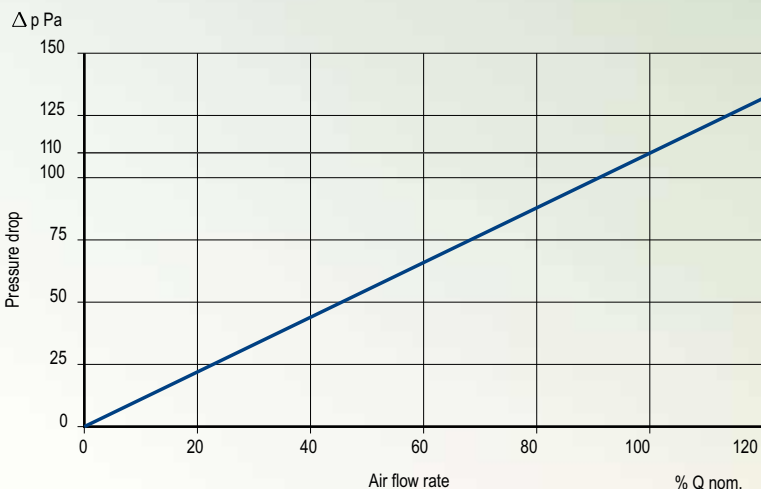
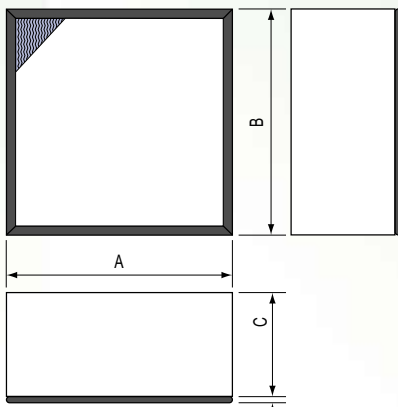
High efficiency SIGMA series TLF - TKF are used in conditioning and ventilation units which require high air cleanliness levels. They can be installed in air treatment plants, ventilation units, independent roof top conditioning systems, with proper pre-filters to prevent the rapid clogging of the media.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

Installation

TLF - TKF 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 (ÉF) can be installed in CT 20 Æ CT 10 counter-frames.

Type	Dimensions (mm)			Nominal air rate flow		Filtration media m ²	Initial pressure drop Pa
	A	B	C	m ³ /h	m ³ /sx10 ^{-3*}		
TLF - TKF							
3	305	x 305	x 149	500	139	2	110
42	305	x 610	x 149	1000	278	3	110
4	610	x 610	x 149	2000	555	6	110
31	305	x 305	x 292	850	236	3	110
52	305	x 610	x 292	1700	472	7	110
5	610	x 610	x 292	3400	944	14	110
6	610	x 762	x 292	4300	1194	17	110
55 F	289	x 595	x 292	1600	444	6	110
54 F	595	x 595	x 292	3200	889	13	110

*1 m³/s x 10⁻³ = 1 l/s



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SIGMA series high efficiency filters

TM-LG-KG

Product	TLG	TKG
UNI EN 779 class	F 6	F 6
EUROVENT class	EU 6	EU 6
Em ASHRAE52.1.1992	60/65 %	60/65 %
Suggested final pressure drop	450 Pa	450 Pa
Maximum operating temperature	90 Deg. C	100 Deg. C
Maximum relative humidity	90 %	100 %

High efficiency SIGMA series TLG - TKG filters have high filtration efficiency rates. This means these filters are able to meet the strictest air cleanliness 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 aluminum spacers. The frame is constructed of two different materials according to the models: MDF wood for TLG filters and galvanized steel sheet for TKG filters. The filter medium is fixed to the frame with a polyurethane sealant (TLG) and with glass fiber interposition (TKG), the frame is fitted with a single piece gasket. TLG - TKG 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.

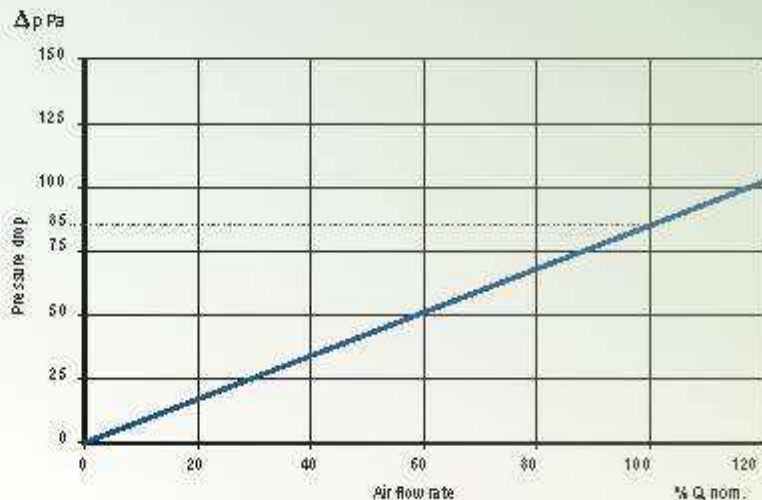
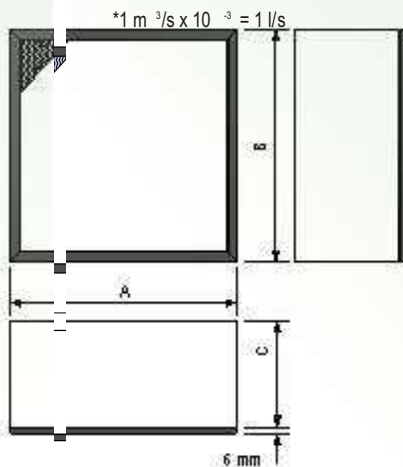
Applications

High efficiency SIGMA series TLG - TKG are used in conditioning and ventilation units which require high air cleanliness 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

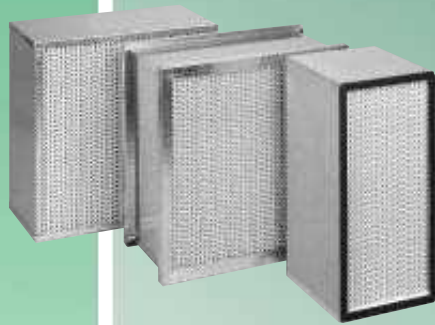
TLG - TKG filters are installed in duct housings Multimod model, Modulo or in safety housings Canister type; for normal operating conditions use CT 50 counter-frames. The filters can be installed in vertical positions, for horizontal air flows, with vertical pleats, or in horizontal position for vertical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

Type	Dimensions (mm)			Nominal air rate flow		Filtration media m ²	Initial pressure drop Pa
	A	B	C	m ³ /h	m ³ /sx10 ⁻³ *		
TLG - TKG							
3	305	x 305	x 149	500	139	2	85
42	305	x 610	x 149	1000	278	3	85
4	610	x 610	x 149	2000	555	6	85
31	305	x 305	x 292	850	236	3	85
52	305	x 610	x 292	1700	472	7	85
5	610	x 610	x 292	3400	944	14	85
6	610	x 762	x 292	4300	1194	17	85
55 F	289	x 595	x 292	1600	444	6	85
54 F	595	x 595	x 292	3200	889	13	85



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SIGMA series high efficiency filters

TM-LH-KH

Product	TLH	TKH
UNI EN 779 class	F 8	F 8
EUROVENT class	EU 8	EU 8
E_m ASHRAE52.1.1992	90/95 %	90/95 %
Suggested final pressure drop	450 Pa	450 Pa
Maximum operating temperature	90 Deg. C	100 Deg. C
Maximum relative humidity	90 %	100 %

High efficiency SIGMA series TLH - TKH filters have high filtration efficiency rates.

This means these filters are able to meet the strictest air cleanliness 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 aluminum spacers. The frame is constructed of two different materials according to the models: MDF wood for TLH filters and galvanized steel sheet for TKH filters.

The filter medium is fixed to the frame with a polyurethane sealant, the frame is fitted with a single piece gasket. TLF - TKF high efficiency filters have a moderate 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.

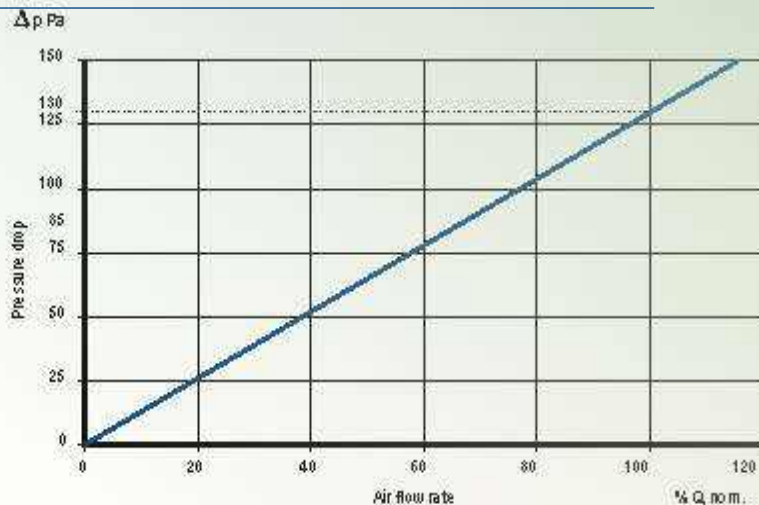
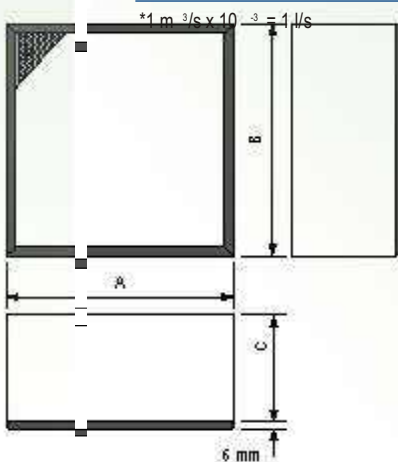
Applications

High efficiency SIGMA series TLH - TKH are used in conditioning and ventilation units which require high air cleanliness levels. They can be installed in air treatment plants, ventilation units, 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

TLF - TKF 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 \varnothing CT 10 counter-frames.

Type	Dimensions (mm)			Nominal air rate flow		Filtration media m^2	Initial pressure drop Pa
	A	B	C	m^3/h	$m^3/s \times 10^{-3} *$		
TLH - TKH							
3	305	x 305	x 149	500	139	2	130
42	305	x 610	x 149	1000	278	3	130
4	610	x 610	x 149	2000	555	6	130
31	305	x 305	x 292	850	236	3	130
52	305	x 610	x 292	1700	472	7	130
5	610	x 610	x 292	3400	944	14	130
6	610	x 762	x 292	4300	1194	17	130
55 F	289	x 595	x 292	1600	444	6	130
54 F	595	x 595	x 292	3200	889	13	130



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