

KG / KF / KL / KH

	KG	KF	KL	KH
Class EN ISO 16890:2016	ePM _{2,5} 55%	ePM ₁ 55%	ePM ₁ 60%	ePM ₁ 85%
Class EN 779:2012	M6	F7	F8	F9
Energy Class EUROVENT 4/21-2019	E	E	E	E
Suggested final resistance to air flow	200 Pa	200 Pa	300 Pa	300 Pa
Maximum resistance to air flow	450 Pa	450 Pa	450 Pa	450 Pa
Maximum operating temperature	100 °C	100 °C	100 °C	100 °C
Maximum relative humidity	100%	100%	100%	100%

Deep pleated filters available in a wide range of efficiency classes, used in filtration stages for ventilation systems of critical or contamination controlled environments. They are available with two different thicknesses to offer ultimate flexibility and installation capacity.

The galvanized steel frame provides the structure with high mechanical resistance.

Constant pleated aluminium separators allow these filters to operate in air temperature conditions up to 100° C.

MATERIAL AND FINISH

- Frame in galvanized steel.
- Filter packs in fire-proof micro-fibre glass.
- Micro-fibre glass sealant.
- Aluminium separators.
- Flat gasket in EPDM that can be applied during installation on either the air inlet or outlet side.
- Protection grid in aluminium air inlet side.

APPLICATION

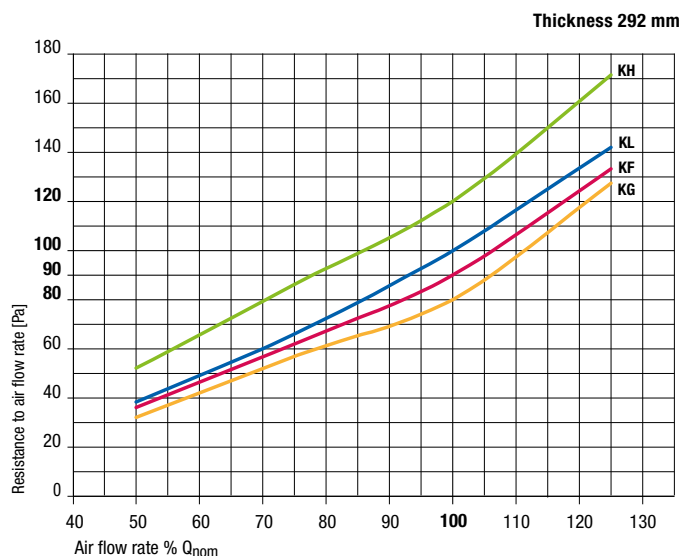
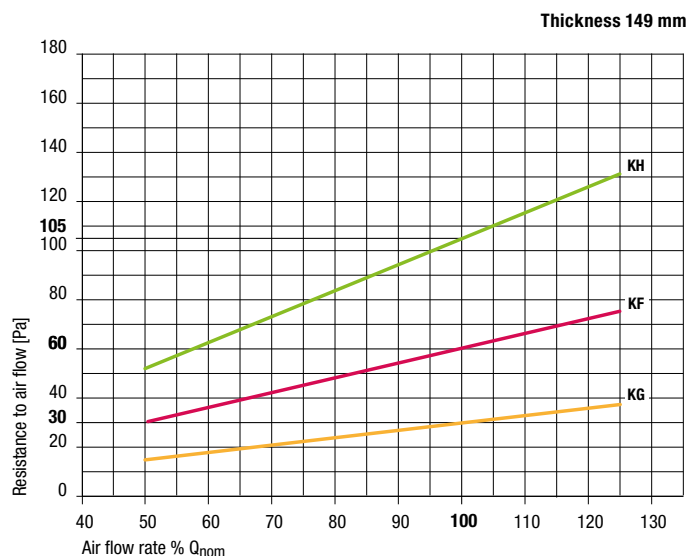
- Inside filtration sections of the air handling units.
- CT counter-frame (see page 113).
- In housing systems for extracting air from contaminated environments - Canister systems (see page 109).
- In MULTIMOD housings (see page 106).
- In MODULO housings (see page 108).

VERSIONS

- Model L.. MDF multilayer wood frame.
- AISI 304 stainless steel frame
- HT High temperature up to 120° C.
- HT High temperature up to 250° C.

ACCESSORIES

- EPDM double flat gasket.
- Double protection grid, air inlet and outlet.

CHARACTERISTIC CURVES

Filters having 149mm depth are not included in the EUROVENT certification programme.

Sizing to 80% of the nominal flow is recommended in the design stage.

KG / KF / KL / KH**DIMENSIONS AND TECHNICAL DATA**

Code	Dimensions [mm]			Nominal air flow rate Q			Filtering surface [m ²]	Initial resistance to air flow [Pa]				KG €	KF €	KL €	KH €
	L	H	W	[m ³ /h]	[m ³ /s]	[ft ³ /min]		KG	KF	KL	KH				
31	305	305	292	750	0,208	440	3,5	80	90	100	120				
52	305	610	292	1500	0,417	885	7	80	90	100	120				
5	610	610	292	3000	0,833	1765	14	80	90	100	120				
6	610	762	292	3875	1,076	2280	18	80	90	100	120				
55 F	287	592	292	1275	0,354	750	6	80	90	100	120				
54 F	592	592	292	2800	0,778	1650	13	80	90	100	120				

F: Air inlet flange.

Code	Dimensions [mm]			Nominal air flow rate Q			Filtering surface [m ²]	Initial resistance to air flow [Pa]				KG €	KF €	KL €	KH €
	L	H	W	[m ³ /h]	[m ³ /s]	[ft ³ /min]		KG	KF	KL	KH				
3	305	305	149	500	0,139	294	2	30	60	-	105			-	
42	305	610	149	1000	0,278	589	3	30	60	-	105			-	
4	610	610	149	2000	0,555	1177	6	30	60	-	105			-	

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