LBM - KBM

DELTA series absolute filters for duct flows

Product	LBM	KBM
*MPPS efficiency *	99,95 %	99,95 %
CEN EN 1822 classification	H 13	H 13
Suggested final pressure drop	600 Pa	600 Pa
Maximum pressure drop	1000 Pa	1000 Pa
Maximum operating temperature	70 °C	70 °C
Maximum relative humidity	90 %	100 %

* Average efficiency. Punctual efficiency has an admitted penetration rate 5 times higher.

LBM -KBM Delta absolute filters are mini-pleated, with top quality construction, limited pressure drop, high dust holding capacities, strong mechanical resistance and are long-lasting. These filters are made of two materials different from the one used for the frame: MDF wood (LBM) and galvanized steel (KBM). Both have a special single piece gasket. They come in two different depths: 149 and 292 mm which allow face air speeds of 0.75 and 1.5 m/s respectively. All the filters are tested individually and labeled to assure the compliance with the measured features.

Applications   LBM and KBM filters can be used in various applications:
- final stage of air treatment units for rooms with cleanness class M4 and M5 (FS 290E)
- protection stage for very high efficiency filters (ULPA)
- in Canister systems to assure the required emission levels of exhausted air
- in line in Modulo systems to improve the efficiency of filtration systems
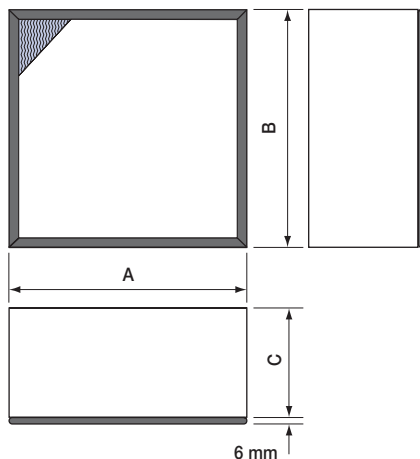- in DIF.K/DIF.S terminal hoods in controlled contamination rooms.

Installation   No matter what is the installation position, LBM and KBM filters always allow for the use of the entire filtration surface. We suggest installing the proper high-efficiency pre-filters to increase their operating life. On request we also supply frames and housings to improve and simplify the installation of the filters. Models LBM can be burned completely.

Type LBM KBM	Sizes (mm) A	B	C	Nominal air flow rate Q. LBM m³/h	KBM m³/h	LBM m³/sx10⁻³*	KBM m³/sx10⁻³*	Filtering surface m² LBM	KBM	Initial pressure drop Pa
3	305 x	305 x	149	260	285	72	79	2,2	2,3	250
42	305 x	610 x	149	450	500	132	139	4,5	4,8	250
43	457 x	457 x	149	620	-	172	-	5	-	250
4	610 x	610 x	149	950	1000	264	278	9	9,6	250
7	762 x	610 x	149	1200	1250	333	347	11,2	12	250
3 x	305 x	305 x	149	500	550	139	153	4,7	5,2	250
42 x	305 x	610 x	149	950	1000	264	276	9,3	10,2	250
4 x	610 x	610 x	149	1900	2000	528	555	19	21	250
7 x	762 x	610 x	149	2375	2500	660	694	23,7	26	250
31	305 x	305 x	292	500	550	139	153	4,7	5,2	250
52	305 x	610 x	292	950	1000	264	278	9,3	10,2	250
53	457 x	457 x	292	1200	1320	333	366	10,4	11	250
5	610 x	610 x	292	1900	2000	528	555	19	21	250
6	762 x	610 x	292	2375	2500	660	694	23,7	26	250

*1 m³/s x 10⁻³ = 1 l/s

Size

6 mm

Typical curves

Δp Pa

Pressure drop (Pa)

% Q nom.

Air flow