

LLMB - KKMB

DELTA series absolute filters for duct flows

| Product | LLMB | KKMB |
|-------------------------------|---------|---------|
| 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.

DELTA LLMB-KKMB absolute filters have mini pleats and treat high air flows: 35% more than other models of equal sizes. They operate with a front air speed of 2.00 m/s.

Thanks to this feature, sizes are smaller and the costs of the ducts and spaces occupied are lower. Furthermore, compared to normal filters, due to the limited pressure drop, operating life is longer and there is a higher energy saving level for the fan motor.

Furthermore, the filters have a high construction quality, high dust holding capacity and great mechanical resistance.

These frames of these filters are made in two different materials: MDF (LLMB) and galvanized steel (KKMB). Both have a special one-

piece gasket. All filters are tested individually and labeled as a guarantee of the measured features.

Applications LLMB and KKMB filters allow for various applications:

- Final stage in air treatment units for environments with cleanliness class M4 and M5 (FS 290E)
- Protection for very high efficiency filters (ULPA)
- In Canister systems to ensure the emission levels in the exhausted air
- In line in Modulo systems to improve the efficiency of the filtering systems
- In DIF.K/DIF.S terminal hoods in clean rooms

Installation LLMB and KKMB filters enable the use of the entire filtering surface. The use of proper pre-filters and high efficiency levels help increase its operating life. Frames and containers to facilitate and improve installation of the filters are available on request. LLMB models can be completely burned to ashes.

On request we can supply the version with H14 efficiency. For more information, please contact our Technical Office-Filtration Division.

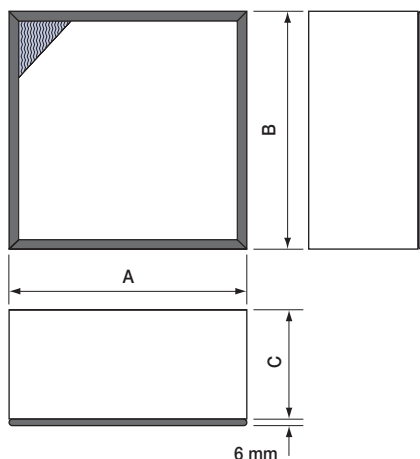
| Type LLMB KKMB | Sizes (mm) | | | Nominal air flow rate Q. | | | | Filtering surface m ² | | Initial pressure drop Pa |
|----------------------|------------|-------|-------|--------------------------|------------------------|---|---|----------------------------------|------|--------------------------|
| | A | B | C | LLMB m ³ /h | KKMB m ³ /h | LLMB m ³ /sx10 ⁻³ * | KKMB m ³ /sx10 ⁻³ * | LLMB | KKMB | |
| 3 x | 305 | x 305 | x 149 | 550 | 580 | 153 | 161 | 4,9 | 5,4 | 250 |
| 42 x | 305 | x 610 | x 149 | 1200 | 1250 | 333 | 347 | 10,3 | 11,4 | 250 |
| 4 x | 610 | x 610 | x 149 | 2500 | 2650 | 694 | 736 | 21,6 | 23,4 | 250 |
| 7 x | 762 | x 610 | x 149 | 3100 | 3260 | 961 | 905 | 27,2 | 29,5 | 250 |
| 31 | 305 | x 305 | x 292 | 550 | 580 | 153 | 161 | 4,9 | 5,4 | 250 |
| 52 | 305 | x 610 | x 292 | 1200 | 1250 | 333 | 347 | 10,3 | 11,4 | 250 |
| 5 | 610 | x 610 | x 292 | 2500 | 2650 | 694 | 736 | 21,6 | 23,4 | 250 |
| 6 | 762 | x 610 | x 292 | 3100 | 3260 | 961 | 905 | 27,2 | 29,5 | 250 |



*1 m³/s x 10⁻³ = 1 l/s

- Product ready in STOCK

Size



Typical curves

