

LB - KB

DELTA series absolute filters for duct flows

| Product | LB | KB |
|-------------------------------|---------|---------|
| 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 | 90 °C | 100 °C |
| Maximum relative humidity | 90 % | 100 % |

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

LB-KB Delta absolute filters are deep 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 (LB) and galvanized steel (KB). 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.

For actual sizes please refer to our Pricelist

| Type | Sizes (mm) | | | Nominal air flow rate Q. | | | | Filtering surface m ² | | Initial pressure drop Pa |
|------|------------|-------|-------|--------------------------|--------------------------------------|----------------|----------------|----------------------------------|------|--------------------------|
| | LB | KB | KB | LB | KB | LB | KB | LB | KB | |
| KB | A | B | C | m ³ /h | m ³ /sx10 ⁻³ * | m ² | m ² | | | |
| 31 | 305 | x 305 | x 292 | 500 | 550 | 139 | 153 | 4,7 | 4,9 | 250 |
| 53 | 457 | x 457 | x 292 | 1200 | 1320 | 333 | 366 | 10,4 | 10,9 | 250 |
| 52 | 305 | x 610 | x 292 | 1000 | 1100 | 278 | 306 | 9,3 | 9,7 | 250 |
| 5 | 610 | x 610 | x 292 | 2000 | 2200 | 555 | 612 | 19 | 20 | 250 |
| 6 | 762 | x 610 | x 292 | 2500 | 2750 | 694 | 764 | 23,5 | 25 | 250 |
| 55 | 289 | x 595 | x 292 | 950 | - | 264 | - | 8,8 | - | 250 |
| 54 | 595 | x 595 | x 292 | 1900 | - | 528 | - | 18,2 | - | 250 |
| 3 | 305 | x 305 | x 149 | 270 | - | 75 | - | 2,2 | - | 250 |
| 43 | 457 | x 457 | x 149 | 620 | - | 172 | - | 5 | - | 250 |
| 42 | 305 | x 610 | x 149 | 550 | 600 | 153 | 166 | 4,5 | 4,7 | 250 |
| 4 | 610 | x 610 | x 149 | 1080 | 1190 | 300 | 330 | 9,5 | 9,8 | 250 |

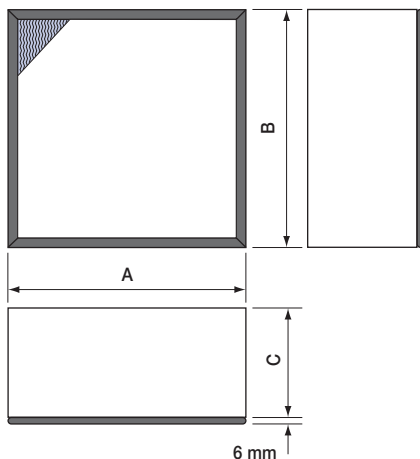
*1 m³/s x 10⁻³ = 1 l/s

Applications LB and KB filters can be used in various applications:

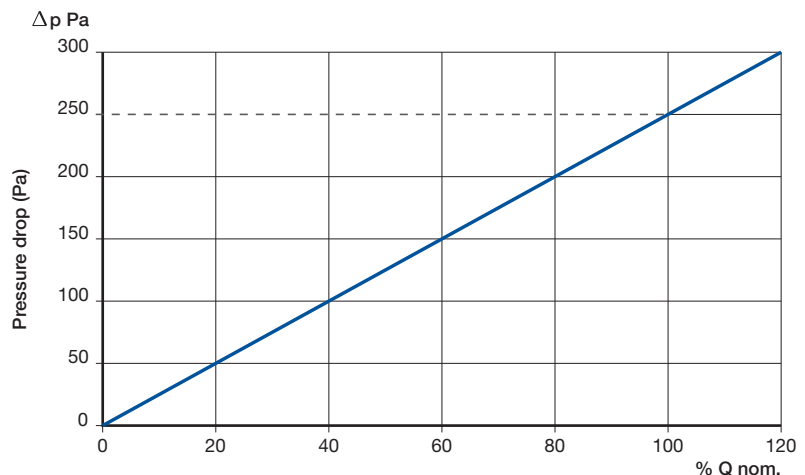
- final stage of air treatment units for rooms with cleanliness class M4 and M5 (FS 290E)
- protection stage for very high efficiency filters (ULPA)
- in Canister systems to assure the required emission levels of exhausted air
- in line in Modulo systems to improve the efficiency of filtration systems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

Installation No matter what is the installation position, LB and KB 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 LB can be burned completely.

Size



Typical curves



Air flow

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