

# LNB - NB - KVB

DELTA series absolute filters for duct flows

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

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

LNB – NB – KVB multi-diehedral absolute filters are mini-pleated in V-arranged packs to create a series of adjacent bags that form elements with a very large filtration surface. These filters have an air flow rate 100% times higher than models of the same size with a normal surface because they allow a face air speed of 2.5 – 3 m/s. hence, these filters halve the sizes, costs, weighs and spaces occupied by the ducts. Furthermore, compared to filters with normal air flow rates, they assure a longer operating life and a higher fan motor energy saving levels.

LNB – NB – KVB filters are made of two materials different from the one used for the frame: MDF wood (LNB) and galvanized steel (NB-

KVB). 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** LNB – NB – KVB 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, LNB – NB – KVB 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 LNB can be burned completely.

Available in H 14 version model LNA - NA - KVA with change in pressure drop + 20%

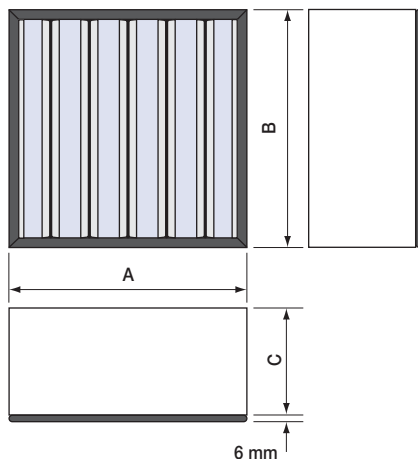
For actual sizes please refer to our Pricelist

Type	Sizes (mm)			Nominal air flow rate Q.				Filtering surface m <sup>2</sup>		Initial pressure drop Pa		
	LNB	NB		LNB	NB	LNB	NB	LNB	NB			
31	305	x	305	x	292	750	850	208	236	7	8,3	280
52	305	x	610	x	292	1500	1800	416	500	16,5	16,5	280
5	610	x	610	x	292	3400	4000	945	1111	32,5	37	280
6	762	x	610	x	292	4250	5000	1180	1389	44	47	280

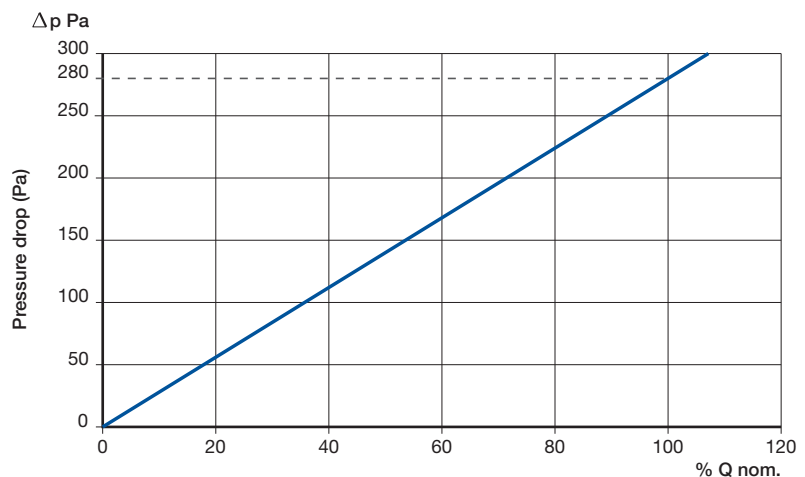
Type	Sizes (mm)			Nominal air flow rate Q.		Filtering surface m <sup>2</sup>	Initial pressure drop Pa		
	KVB	A	B	C	m <sup>3</sup> /h			m <sup>3</sup> /sx10 <sup>-3</sup>	
52	305	x	610	x	292	1500	417	13	280
5	610	x	610	x	292	3000	833	26	280

\*1 m<sup>3</sup>/s x 10<sup>-3</sup> = 1 l/s

## Size



## Typical curves



Air flow

