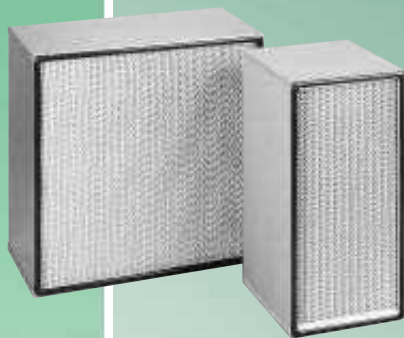


DELTA Series Absolute Filters for Dust Flows

TLLB - TKK



Product	TLLB	TKK
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	90 °C
Maximum relative humidity	90 %	100 %

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

TLLB - TKK Delta absolute filters are deep pleated and they typically treat high air flow rates: 50% more compared to other models of the same size, and they can operate with air face speeds of 2.25 m/s.

This reduces the size and the cost of ducts and the spaces occupied. Furthermore, compared to normal filters, due to the reduced pressure drop, their operating life is longer and the treatment unit fan motor energy saving level is higher. The filters also offer 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 (TLLB) and galvanized steel (TKK).

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

TLLB and TKK 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, TLLB and TKK filters always allow for the use of the entire filtration surface.

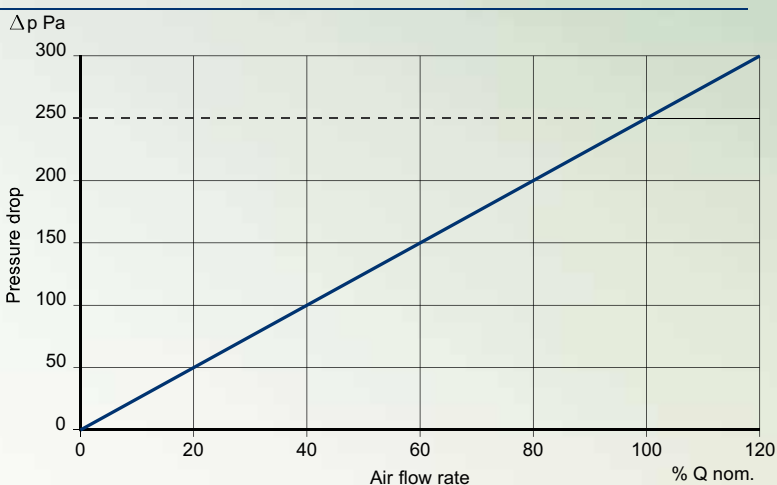
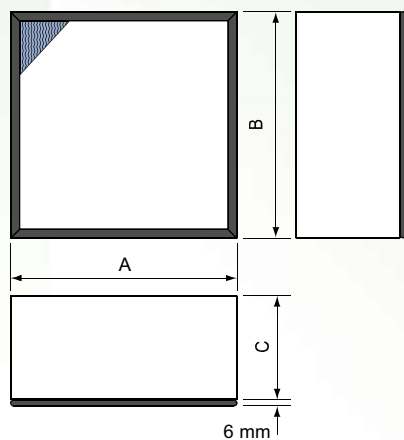
We suggest installing the proper high-efficiency pre-filters to increase their operating life. On request we also supply frames and housings to improve and simplify the installation of the filters. Models TLLB can be burned completely.

Type	Dimensions (mm)			Nominal air rate flow				Filtration media m ²		Initial pressure drop Pa
	A	B	C	TLLB m ³ /h	TKK m ³ /h	TLLB m ³ /s x 10 ⁻³ *	TKK m ³ /s x 10 ⁻³ *	TLLB	TKK	
TLLB - KK 31	305	x 305	x 292	700	750	195	208	6,9	7,2	270
53	457	x 457	x 292	1600	1700	444	472	15,3	16	270
52	305	x 610	x 292	1400	1500	390	416	14	15	270
5	610	x 610	x 292	2800	3000	780	832	27,5	29	270
6	762	x 610	x 292	3500	3750	972	1042	34,5	36	270

*1 m³/s x 10⁻³ = 1 l/s

Size

Typical curves



Technomart

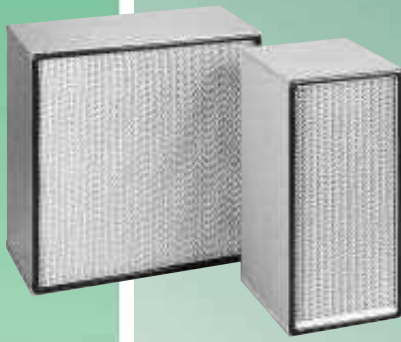
Kamrabad, Fullorhat (Near Fullorhat Yuba Sangha), Sonarpur, Kolkata - 700 150, W.B., India

Tel : +91 9830156166 / 9230556166 / 9230518809 Fax : +91 33 2434 6692

e-mail : technomart@vsnl.net, Web : www.techno-filter.com

DELTA Series Absolute Filters for Dust Flows

TLB - TKB



TLB -TKB 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 (TLB) and galvanized steel (TKB). 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.

Product	TLB	TKB
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.

Applications

- TLB and TKB 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.

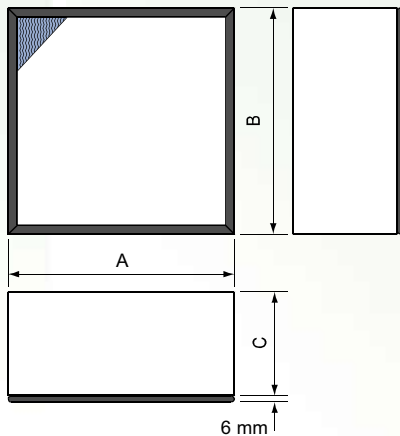
Installation

No matter what is the installation position, TLB and TKB 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 TLB can be burned completely.

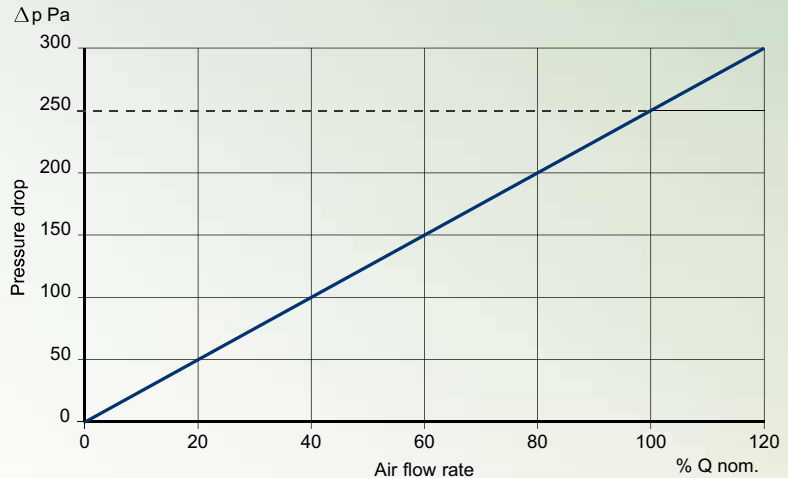
Type	Dimensions (mm)			Nominal air rate flow				Filtration media m ²		Initial pressure drop Pa
	A	B	C	TLB m ³ /h	TKB m ³ /h	TLB m ³ /s x 10 ^{-3*}	TKB m ³ /s x 10 ^{-3*}	TLB	TKB	
TLB - TKB										
31	305	x 305	x 292	500	550	139	153	4,7	4,9	250
53	457	x 457	x 292	1200	1320	333	366	10,4	10,9	250
52	305	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

Size



Typical curves



Technomart

Kamrabad, Fullorhat (Near Fullorhat Yuba Sangha), Sonarpur, Kolkata - 700 150, W.B., India
 Tel : +91 9830156166 / 9230556166 / 9230518809 Fax : +91 33 2434 6692
 e-mail : technomart@vsnl.net, Web : www.techno-filter.com