

## BETA Series Semi-Absolute filters

### TLR - TKR - TNR

Product	TLR	TKR	TNR
MPPS efficiency*	≥ 85	≥ 85	≥ 85
CEN EN1822 classification	H 10	H 10	H 10
Eff. DOP test UNI 7833	> 95 %	> 95 %	> 95 %
Suggested final pressure drop	600 Pa	600 Pa	600 Pa
Maximum pressure drop	1000 Pa	1000 Pa	1000 Pa
Maximum operating temperature	90°C	100°C	60°C
Maximum relative humidity	90 %	100 %	100 %

\* Average efficiency.

TLR - TKR - TNR Delta semi-absolute filters offer very high filtration efficiency and low pressure drops, hence they allow for limited energy consumption levels in the systems. The LR and KR filter medium is made of deep pleated glass micro-fiber paper fitted with corrugated aluminum spacers; it is fixed to the frame through an elastomeric sealant. **TLR** filters have an **MDF wood** frame, whereas **TKR** filters have a **galvanized steel** frame. NR filters differ from the previous because they are multi-diehdral; the glass fiber medium is mini-pleated with continuous thermal plastic spacers and the frame is made of galvanized steel. All the models have high dust holding capacity and offer considerable mechanical resistance.

#### Applications :

TLR - TKR - TNR filters are used in all civil, industrial and processing facilities which require high air cleanness levels, but not so high as to need absolute filters. Luxury residential rooms, food, chemical, pharmaceutical, photographic, mass consumption electronic, precise mechanical applications, etc., are just a few examples of the typical use of these filters. Furthermore, they are also used in libraries, museums, art galleries, gold-working laboratories and in several other prestigious and precise industrial and craftsmanship industries.

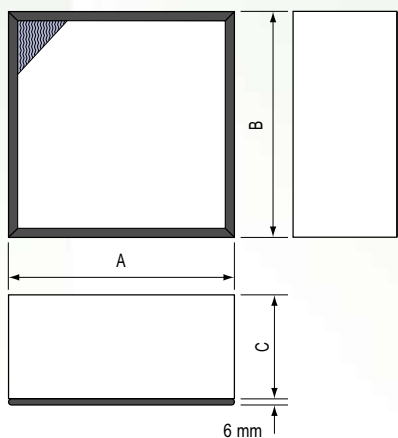
#### Installation :

TLR - TKR - TNR filters need to fitted with pre-filters to maintain high operating life levels. They can be installed for both downward horizontal and vertical air flows. These filters are installed in CT 50 counter-frames, Modulo or in safety housings Canister type, the latter for air that transports toxic substances or pathogens.

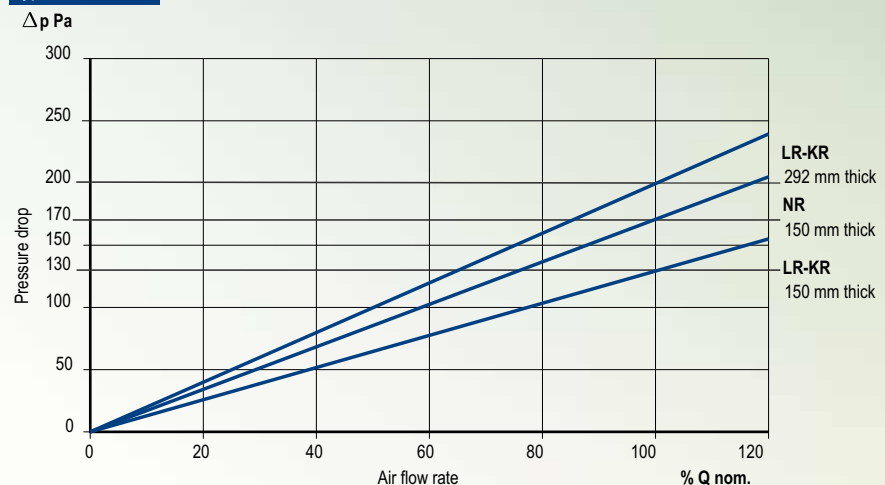
Type	Dimensions (mm)			Nominal air rate flow m <sup>3</sup> /h	Filtration media m <sup>2</sup>	Initial pressure drop Pa
	A	B	C			
TLR - KR						
3	305	x 305	x 149	400	111	130
42	305	x 610	x 149	800	222	130
4	610	x 610	x 149	1700	472	130
31	305	x 305	x 292	800	222	200
52	305	x 610	x 292	1700	472	200
54	595	x 595	x 292	3200	889	200
5	610	x 610	x 292	3400	944	200
6	610	x 762	x 292	4000	1111	200
NR						
52	305	x 610	x 292	4000	556	170
5	610	x 610	x 292	2000	1111	170
6	610	x 762	x 292	5000	1389	170

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

#### Size



#### Typical curves



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