

# TB - TC

## DELTA series high temperature absolute filters

Product	TB	TC
MPPS efficiency*	99,5 %	95 %
CEN EN 1822 classification	H 12	H 11
Suggested final pressure drop	600 Pa	600 Pa
Maximum pressure drop	1000 Pa	1000 Pa
Operating temperature/ Maximum resistance	245 °C	25 / 500 °C
Maximum relative humidity	100 %	100 %
Pleats filtration pack	Deep	Deep

\* Average efficiency

Absolute TB Delta filters and TC semi-absolute filters are deep-pleated and are mainly used for high temperature operating and even in fire risk applications (TC). The frame is in stainless steel and the spacers are made of aluminium; the TB models for high temperature operation use silicon sealants, whereas the TC models use fiber glass sealants. These filters operate in high and very high temperature conditions; they have high mechanical resistance, robust construction, high dust holding capacity and a long operating life. The frame is made of AISI

304 stainless steel for high temperature TB models and in AISI 430 for TC models for fire risk applications. Both have a special single piece gasket. All the filters are tested individually and labeled to assure the compliance with the measured features.

**Applications** TB and TC filters allow for various special applications:

- in systems and sterilization furnaces for pharmaceutical companies (TB)
- in fire risk applications (TC)

- in Canister systems to assure the required emission levels of exhausted air
- in rooms with fire emergency requirements

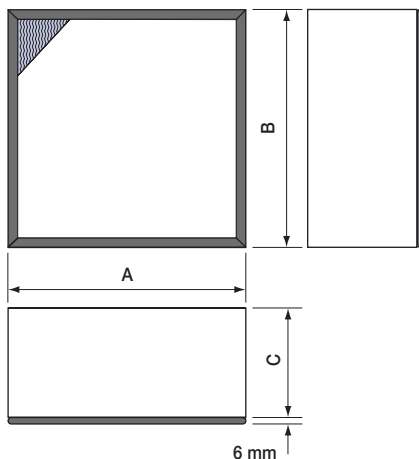
**Installation** No matter what is the installation position, TB – TC filters always allow for the use of the entire filtration surface. We suggest installing the proper high-efficiency pre-filters to increase their operating life. On request we also supply frames and housings to improve and simplify the installation of the filters.

Type TB TC	Sizes (mm)			Nominal air flow rate Q.				Filtering surface m <sup>2</sup>		Initial pressure drop Pa
	A	B	C	TB m <sup>3</sup> /h	TC m <sup>3</sup> /h	TB m <sup>3</sup> /sx10 <sup>-3</sup> *	TC m <sup>3</sup> /sx10 <sup>-3</sup> *	TB	TC	
3	305	x 305	x 149	250	-	69	-	3	-	250
42	305	x 610	x 149	500	-	139	-	5	-	250
4	610	x 610	x 149	1000	-	278	-	11	-	250
7	610	x 762	x 149	1250	-	347	-	13	-	250
31	305	x 305	x 292	500	-	139	-	6	-	250
52	305	x 610	x 292	1000	1000	278	278	11	10	250
5	610	x 610	x 292	2000	2000	555	555	23	19	250
6	610	x 762	x 292	2500	-	694	-	28	-	250

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



### Size



### Typical curves

