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)
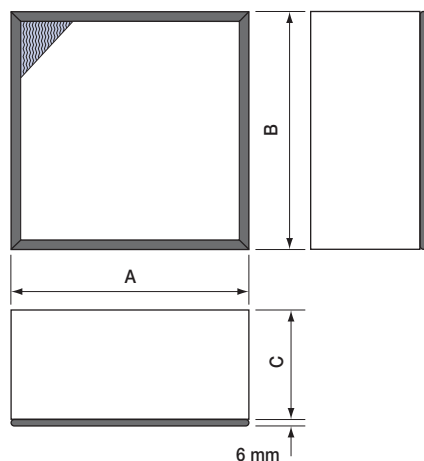• in fire risk applications (TC)

• 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) A	B	C	Nominal air flow rate Q. TB m³/h	TC	TB m³/sx10⁻³*	TC	Filtering surface m² TB	TC	Initial pressure drop Pa
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 m³/s x 10⁻³ = 1 l/s

Size

6 mm

Typical curves

Δp Pa

Pressure drop (Pa)

Air flow

% Q nom.

filtration