

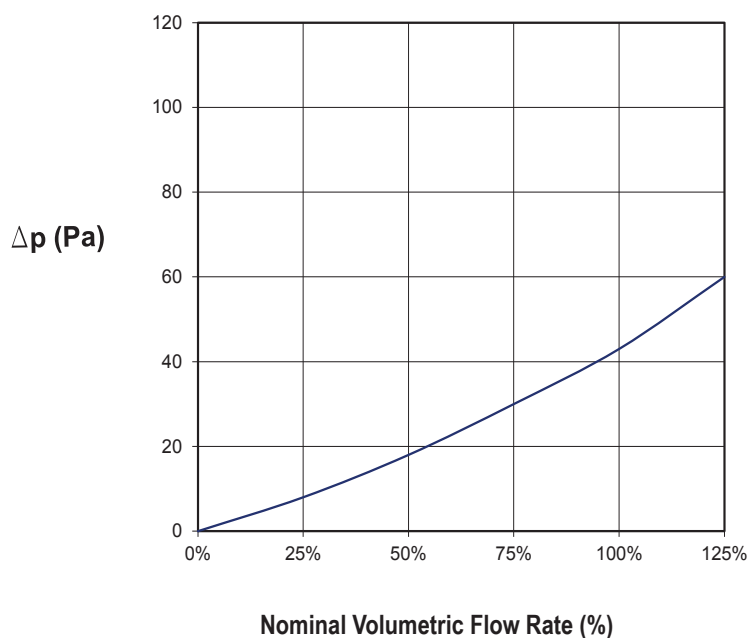
WC3

Disposable flat filter cell composed of a robust punched cardboard box with large openings for air passage that supports the filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m² and a thickness of 20 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53%)
EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	87%
THICKNESS	18-20 mm
FILTER FABRIC basic weight:	200 gr/m ²
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	43 Pa
RECOMMENDED final pressure drop:	250 Pa
MAXIMUM pressure drop:	400 Pa
DUST ACCUMULATION capacity:	460 gr/m ²
RECOMMENDED frontal air speed:	1,5 m/s
FILTERING surface/filter surface ratio:	2:1 for 48 mm thickness 3:1 for 98 mm thickness
FIRE reaction	Class F1 - (DIN53438/3)

Pressure Drops



SELECTION CHART

Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m ²]	Nominal Flow Rate [m ³ /h]
400	400	48 - 98 (on request)	0,34	1.850
400	500		0,42	2.300
400	625		0,53	2.850
500	500		0,53	2.850
500	625		0,66	3.550
592	592		0,74	4.000
287	592		0,36	1.950

PRESSURE DROP DIAGRAM (Air Temperature 20°C)

Diagram

Pressure drop determining curve with a clean filter (Dp) based on percentage change in the flow rate or nominal speed.

FILTERING MEDIA

The calibrated-density synthetic fibre with high operating efficiency is composed of AT200 series thermobonded polyester staple fibre with a basis weight of 200 gr/m2 and a thickness of 20 mm.

APPLICATIONS

Air treatment units, prefiltration in high-efficiency filters.

PRODUCT DISPOSAL

Dispose of the product by separating the metal part from the filtering part. The CER code for disposal of the metal part is 120101. The CER code for disposal of the filtering part is 150202.

GREEN BUILDING

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BREEAM

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APPLICATIONS

OEM	Residential	Easy Pack	REACH Certificate	RoHS Certificate	Industry	Building	Air conditioning	CMV

*On request