

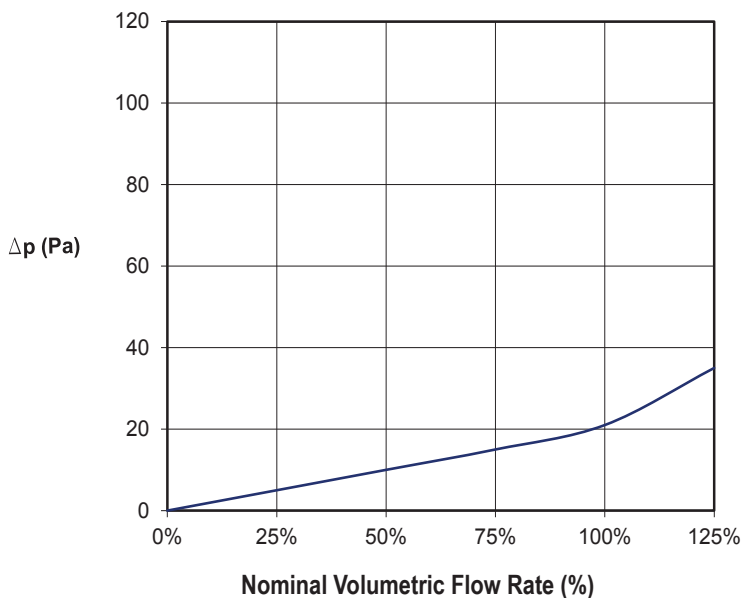
KAT 100

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in AT100 series thermobonded synthetic polyester staple fibre with a basis weight of 100 g/m² and a thickness of 8-10 mm.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890)	Group ISO COARSE (ePM1 = 4% - ePM2,5 = 13% - ePM10 = 49%)
EFFICIENCY class (CEN EN779-2012)	G2
AVERAGE gravimetric efficiency:	70%
FILTER FABRIC basic weight:	100gr/mq
THICKNESS	10 mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	21 Pa
RECOMMENDED final pressure drop	250 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	180 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101

Pressure Drops



SELECTION CHART

Length [mm]	Width [mm]	Standard Thickness [mm]	Filtering Surface [m ²]	Nominal flow rate [m ³ /h]
400	400	10	0,16	850
400	500		0,20	1100
500	500		0,25	1350
400	625		0,25	1350
500	625		0,31	1700
287	592		0,17	900
592	592		0,35	1900

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 AT100 series thermobonded polyester staple fibre with a basis weight of 100 gr/m2 and a thickness of 8-10 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

Contributes to credits:
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APPLICATIONS

Residential	Easy Pack	REACH Certificate	RoHS Certificate	Building	Air conditioning	CMV

*On request