



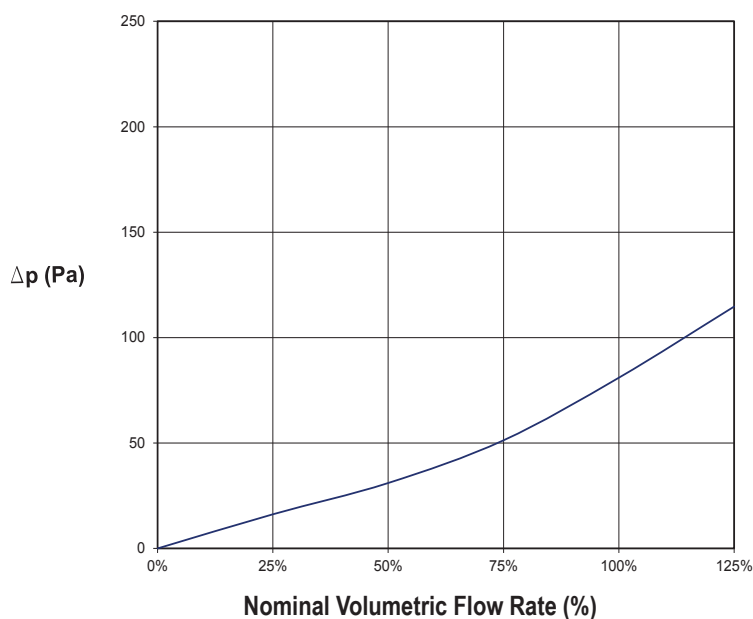
KAT 500

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in AT500 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m² and a thickness of 10 mm and a layer of AT100 to reach the filter thickness.

TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890:2016)	Group ISO ePM10 50%
EFFICIENCY class (CEN EN779-2012)	M5
AVERAGE gravimetric efficiency:	96%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	10-11mm
MAXIMUM WORKING temperature	100°C
RELATIVE humidity	100%
INITIAL pressure drop	81 Pa
RECOMMENDED final pressure drop	450 Pa
MAXIMUM pressure drop	400 Pa
DUST collection capacity	730 gr/mq
RECOMMENDED frontal air speed	1,5 m/s
FIRE reaction	class B2 - (DIN4102/1)
	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	23	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 made up of a layer of AT500 series thermobonded polyester staple fibre with a basis weight of 200 gr/m² and a thickness of 10 mm and a layer of AT100 to reach the filter thickness.

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:
MAN, WST

For further details regarding the specific contributions to the credits indicated, contact Tecnica Srl

APPLICATIONS

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

*On request