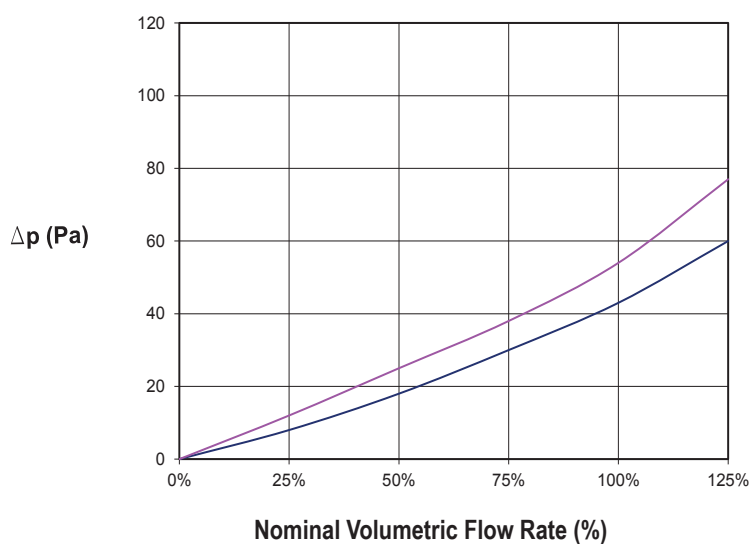
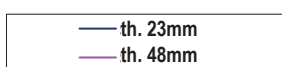


# KAT-VS 50

Synthetic flat filter cell with U-section galvanised steel frame and double electrowelded galvanised wire mesh that supports the filter fabric in glass fibre with progressive density.

## TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (CEN EN779-2012)	G3
AVERAGE gravimetric efficiency:	90-98%
MAXIMUM WORKING temperature:	100°C
RELATIVE humidity:	100%
INITIAL pressure drop:	43 Pa Th. 23mm 54 Pa Th. 48mm
RECOMMENDED final pressure drop:	150 Pa
MAXIMUM pressure drop:	300 Pa
DUST collection capacity:	3-5 kg m <sup>3</sup> Depends on the type of paint, whether dry or liquid
RECOMMENDED frontal air speed:	1,5-2 m/s
FIRE reaction:	class F1 - (DIN53438/3)



## SELECTION CHART

Length [mm]	Width [mm]	Standard Thickness [mm]	Filtering Surface [m <sup>2</sup> ]	Nominal flow rate [m <sup>3</sup> /h]
400	400	48	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

Filter medium in 210 g/m2 glass fibre with progressive density, specially created for filtration of solvent-based paint and lacquer particles.

## APPLICATIONS

Filtration of solvent-based paint and lacquer particles in painting booths for surface treatment.

## 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

Thanks also to the support of GreenMap, products manufactured by Tecnica contribute to obtain the credits of the major international rating systems for sustainable buildings:



### LEED

Contributes to credits:  
IP, EA, MR



### WELL

Contributes to credits:  
MATERIALS, COMMUNITY

### BREEAM<sup>®</sup>

### 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