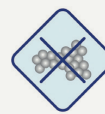


# WF3 FiltraSan™

Pleated synthetic filter cell with U-section galvanised steel frame and double pleated electrowelded galvanised wire mesh that supports the FiltraSan™ sanitizing filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200 g/m<sup>2</sup> and a thickness of 20 mm.

FiltraSan™ in collaboration with:



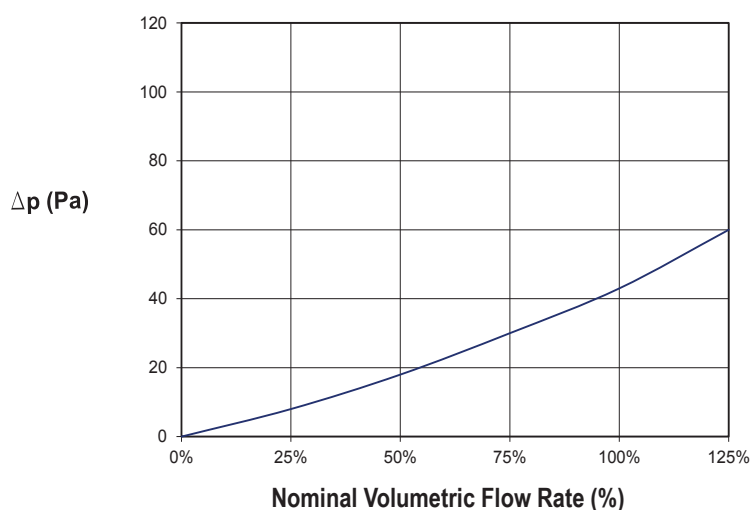
NO BACTERIA

NO MILDEW

## TECHNICAL SPECIFICATIONS AND USAGE LIMIT

EFFICIENCY class (EN ISO 16890)	Group ISO ePM10 50% (ePM1 = 8% - ePM2,5 = 17% - ePM10 = 53% )
EFFICIENCY class (CEN EN779-2012)	G4
AVERAGE gravimetric efficiency:	90%
FILTER FABRIC basic weight:	200gr/mq
THICKNESS	20-22 mm
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 collection capacity	351 gr/mq
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)
	class M1 - NF-F-16-101

Pressure Drops



### PRESSURE DROP DIAGRAM

(Air Temperature 20°C)

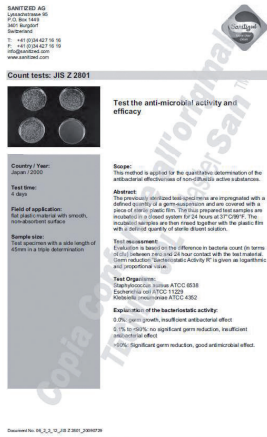
#### Diagram

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

## SELECTION CHART

Length [mm]	Width [mm]	Thickness [mm]	Filtering Surface [m <sup>2</sup> ]	Nominal flow rate [m <sup>3</sup> /h]	
400	400	48	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	
490	500		0,51	2.800	
490	592		0,61	3.300	
500	600		0,63	3.450	
287	592		0,36	1.950	
300	600		0,38	2.050	
600	600		0,76	4.100	
305	610		0,39	2.150	
610	610		0,78	4.250	
400	400		98	0,5	2.700
400	500			0,62	3.350
400	625	0,78		4.200	
500	500	0,78		4.200	
500	625	0,97		5.250	
592	592	1,09		5.900	
490	500	0,76		4.150	
490	592	0,93		5.050	
500	600	0,93		5.050	
287	592	0,53		2.850	
300	600	0,56		3.050	
600	600	1,12		6.050	
305	610	0,58		3.150	
610	610	1,15		6.250	

## CERTIFICATIONS



### FILTERING MEDIA

FiltraSan™ sanitizing antibacterial and anti-mould filtering media, Sanitized® tested and certified



NO BACTERIA



NO MILDEW

### APPLICATIONS

Fan coils, air treatment units.

### 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:  
AIR, MATERIALS, COMMUNITY, INNOVATION

BREEAM®

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	Mold resistant	Microorganism Resistance	REACH Certificate	RoHS Certificate	Industrial	Building
Air Conditioning	CMV							

\*On request

