

WZ3

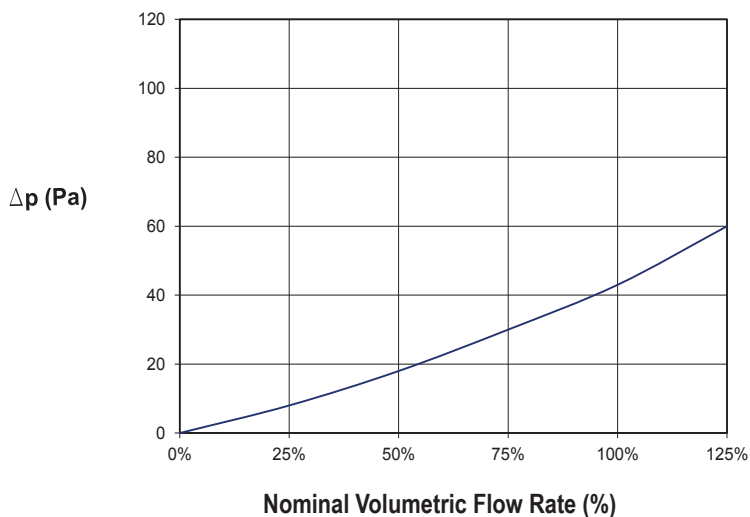
Pleated synthetic filter cell with U-section galvanised steel frame and double pleated electrowelded galvanised wire mesh that supports the filter fabric in AT200 series thermobonded synthetic polyester staple fibre with a basis weight of 200g/m² and a thickness of 20mm.

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):	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 48mm thickness
	3:1 for 98mm thickness
FIRE reaction	class F1 - (DIN53438/3)
	class M1 - NF-F-16-101

* Different thicknesses on request.

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 ²]	Nominal Flow Rate [m ³ /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	

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

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



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

