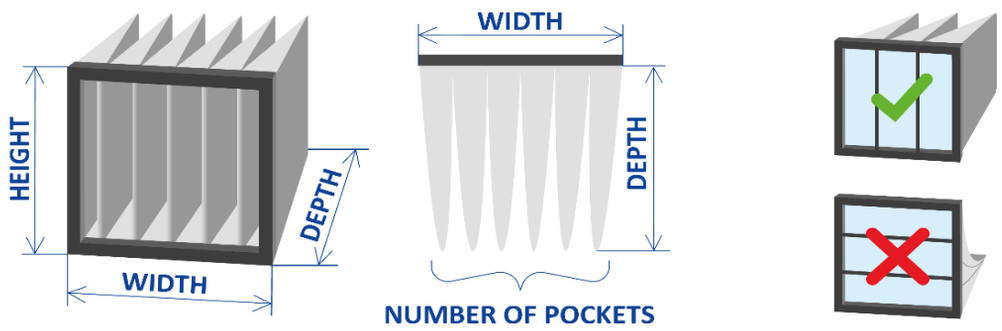
Pocket filter
Ex-Protect PM1 65%
592 x 592 x 635 10 poc.

ISO 16890

Filter class acc. to ISO 16890 EN 779:2012	Particle efficiency		Energy consumption	Energy class Treshold reference scale year 2019: (RS 4/C/001-2019)
ISO ePM1 65% F8	ePM_1 $ePM_{2,5}$ ePM_{10}	65 % 75 % 90 %	2.000 kWh/year	D

Operating conditions:	
Max. humidity resistance	100%
Max. temperature	70°C
Recommended final pressure drop	300 Pa
Potential nominal air flow (short term usage possible)	1,25 x nominal air flow
Fire behaviour	DIN 53438-3 (F3)

Medium	Synthetic-progressive microfiber
Media color	White



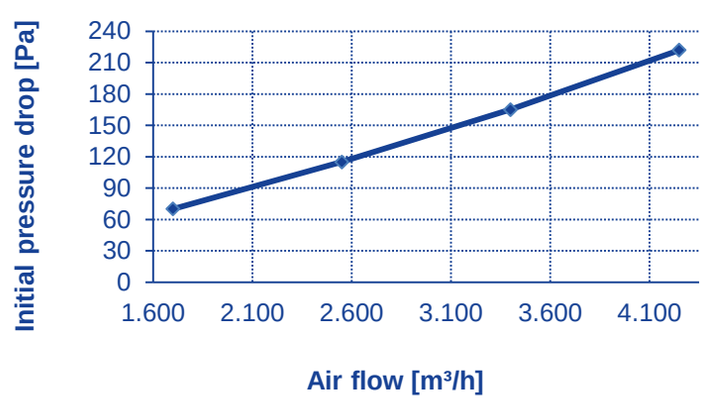
Please note: in EUROVENT database, the depth of the model is extended by 25 mm

WIDTH	HEIGHT	DEPTH	Number of pockets	Filter area	Recommended nominal air flow	Initial pressure drop
[mm]	*[mm]*	*[mm]*		*[m²]*	*[m³/h]*	*[Pa]*
592	**592**	**635**	**10**	**7,5**	**3.400**	**165**
490	592	635	8	6,0	2.700	165
287	592	635	5	3,8	1.700	165
592	287	635	10	3,6	1.600	165
592	490	635	10	6,2	2.800	165
287	287	635	5	1,8	800	165

Product benefits:

- Shatter-proof synthetic fibres with integrated metal mesh
- Individual stitched pockets
- Electroconductive media with integrated metal mesh
- Ex-Protect filters will not gain electrostatic charge
- For air filtration in aerial engineering plants with dangerous, combustible atmospheres (mixtures of air and burnable gases or steams)
- Device category 2, group II according to EU directive 2014/34 / EU and EN 1127-1: 2011, EN ISO 80079-36: 2016, EN ISO 80079-37: 2016, type of protection Ex "c" suitable for atmospheres with gas, steam, fog or dust.
- Suitable for use in potentially explosive areas of zones 1, 2 and 21, 22 in accordance with EU Directive 1999/92 / EC. (Conductive dusts are to be excluded from the application)

Initial pressure drop 592x592x635x10poc.



Versions:

- Sewn construction
- Special sizes on request
- With galvanized metal frame (inner and outer frames)
- Available with grounding flag or grounding pin
- Manufacturers declaration is included with each filter

EUROVENT CERTIFIED PERFORMANCE
Certificate No.:15.06.011
Volz Luftfilter GmbH & Co. KG
www.eurovent-certification.com

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