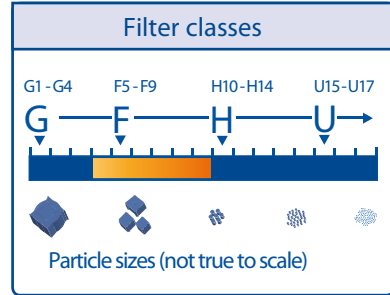




## Pocket filter Ex-Protect



### Applications

For the air filtration in aerial engineering plants with dangerous, combustible atmospheres (mixtures from air and burnable gases or steams)

- Application for Gas-Ex-Protection (EX) II 2 G / II A - II C (X)
- Application for zones 1 and 2 (DIN EN 1127 1127-1)
- Application for solvent of explosion group II A - II C (X)

### Classification acc. to EN 779

- Filter class **G4 (EU4)** - white version
- Filter class **F5 (EU5)** - brown / white version
- Filter class **F6 (EU6)** - green version
- Filter class **F7 (EU7)** - pink version
- Filter class **F8 (EU8)** - yellow version
- Filter class **F9 (EU9)** - white version



### Versions

- Synthetic fibres with metal-clutch
- Standard sizes stitched
- With galvanized metalframe (inner and outer frame)
- Available in three earthing versions:
  - with grounding flag
  - with grounding pin
  - without earthing
- Optional with foamed hygiene-gasket

### Material characteristics

- Tested according to EN 779
- Shatter-proof synthetic fibres
- Humidity resistant up to 100% r. h.
- Temperature resistant up to max. 80°C depending on type of frame
- Technical filter check conducted by TÜV Industrie Service GmbH acc. to Guideline 94/9/EG



### Benefits of VOLZ Filters



**Compliance**  
ATEX-guideline

- No filter charging
- Declaration of manufacturer is delivered with each filter



**Multi-layer**  
medium

- With integrated metal-clutch
- Electroconductive medium



**Hygiene-gasket**  
(optional)

- Hygiene-gasket on pocket filter frame available on the clean air side or on the dust air side
- Abrasion-resistant, silicone-free, closed porous



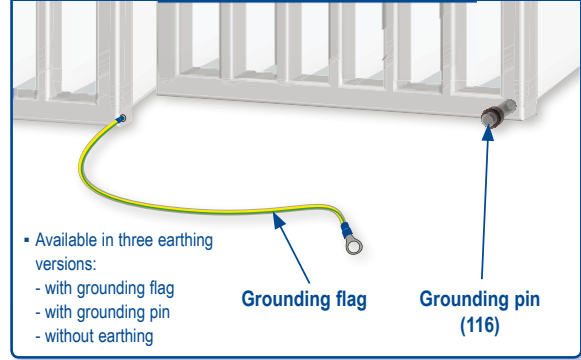
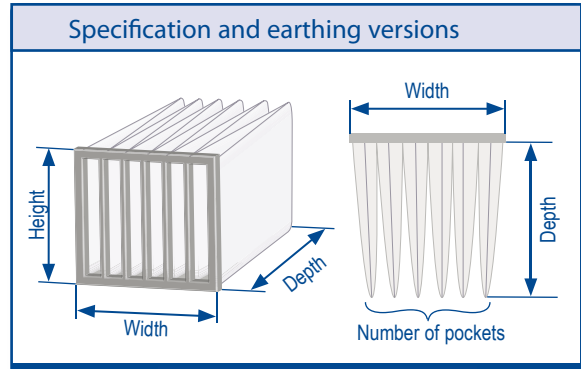
- Utility pattern protection
- Quality control of the complete production with internal filter test equipment and modern quality-management-tools

Standard versions Ex-Protect											
Width x Height			Depth			Number of pockets			Filter area		
mm	mm	m <sup>2</sup>	mm	mm	m <sup>2</sup>	mm	mm	m <sup>2</sup>	mm	mm	m <sup>2</sup>
G4 - F5 (Polyester)											
287 x 592 mm	360	2	1.0	490 x 592 mm	360	4	2.0	592 x 592 mm	360	4	2.1
		4	1.9			5	2.3			6	2.7
	380	2	1.1		380	4	2.1		380	4	2.2
		4	2.0			5	2.6			6	3.1
	500	2	1.4		500	4	2.7		500	4	2.8
		4	2.6			5	3.2			6	3.9
	535	2	1.5		535	4	2.9		535	4	3.0
		4	2.8			5	3.6			6	4.3
	600	2	1.7		600	4	3.2		600	4	3.3
		4	3.1			5	3.8			6	4.5
	635	2	1.7		635	4	3.4		635	4	3.5
		4	3.3			5	4.2			6	5.1

F5 - F9 (Meltblown)											
287 x 592 mm	360	3	1.5	490 x 592 mm	360	5	2.5	592 x 592 mm	360	6	2.9
		4	2.0			6	2.9			8	3.9
	380	5	2.4		380	8	3.8		380	10	4.8
		6	2.9			10	4.8			12	5.7
	500	3	2.0		500	5	3.4		500	6	4.1
		4	2.7			6	4.1			8	5.4
	535	5	3.2		535	8	5.2		535	10	6.5
		6	3.9			10	6.5			12	7.8
	600	3	2.4		600	5	4.0		600	6	4.8
		4	3.2			6	4.8			8	6.5
	635	5	3.8		635	8	6.1		635	10	7.6
		6	4.6			10	7.6			12	9.1

- Special sizes on request
- Optional with foamed hygiene-gasket
- Detailed technical report of a conformity procedure according to guideline 94/9/EG on request

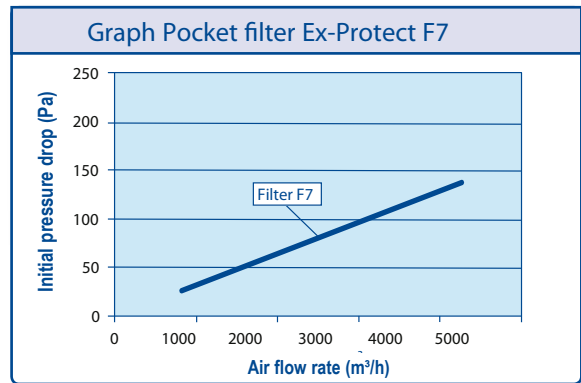
Pocket filter Ex-Protect; F7 (EU7) 592 x 592 x 600; 8 pockets			
Initial pressure drop (Pa)	110	Average arrestance (%)	-
Recommended final pressure drop (Pa)	450	Average efficiency (0,4µm) (%)	80 - 90
Nominal air flow rate (m <sup>3</sup> /h)	3400	Filter area (m <sup>2</sup> )	6.5



### Assembly instruction for correct installation

**Correct Installation!**  
Pockets stand vertically

**Incorrect Installation!**  
Pockets lie horizontally! Pockets below running risk of absorbing condensed water



**VOLZ Luftfilter GmbH & Co. KG**  
 Robert-Bosch-Straße 25 Phone: +49-(0)7451-5516-0 info@volzfilters.com  
 D-72160 Horb am Neckar Fax: +49-(0)7451-5516-120 www.danfilter.dk

All information, images and pictures are property of VOLZ Luftfilter GmbH & Co. KG and are provided to the best knowledge. However VOLZ Luftfilter GmbH & Co. KG does not guarantee the completeness or correctness and cannot be held responsible for damages caused by the recipient's usage or his confidence in the completeness or correctness of the information. The stated data contains average values with tolerances as a result of production irregularities; therefore it does not relieve the recipient of own examination and tests. For the correctness of the information in particular cases, an explicit and written affirmation through VOLZ Luftfilter GmbH & Co. KG is required. Furthermore, the data serves as a service description and cannot be interpreted as warranted properties or durabilities.