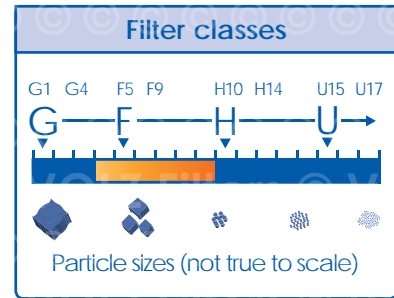




## Pocket filter Ex-Protect



### 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  $\text{Ex}$  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



#### Conform to 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 G4 - F9																				
Width x Height			Number of pockets			Filter area			Width x Height			Number of pockets			Filter area					
Width	Height	mm	Depth	mm	Number of pockets	m <sup>2</sup>	Width	Height	mm	Depth	mm	Number of pockets	m <sup>2</sup>	Width	Height	mm	Depth	mm	Number of pockets	m <sup>2</sup>
<b>G4 - F5 (Polyester)</b>																				
<b>287 x 592 mm</b>						<b>490 x 592 mm</b>						<b>592 x 592 mm</b>						360	4	2.1
																		360	4	2.0
																		380	4	2.1
																		380	5	2.3
																		500	4	2.7
																		500	5	2.6
																		535	4	2.9
																		535	5	2.7
																		600	4	3.2
																		600	5	3.2
																		635	4	3.5
																		635	5	4.2
<b>F5 - F9 (Meltblown)</b>																				
<b>287 x 592 mm</b>						<b>490 x 592 mm</b>						<b>592 x 592 mm</b>						360	3	1.5
																		360	4	2.0
																		380	5	2.4
																		380	6	2.9
																		500	3	2.0
																		500	4	2.7
																		535	5	3.2
																		535	6	3.9
																		600	3	2.4
																		600	4	3.2
																		635	5	3.8
																		635	6	4.6

- 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

### Specification and earthing versions

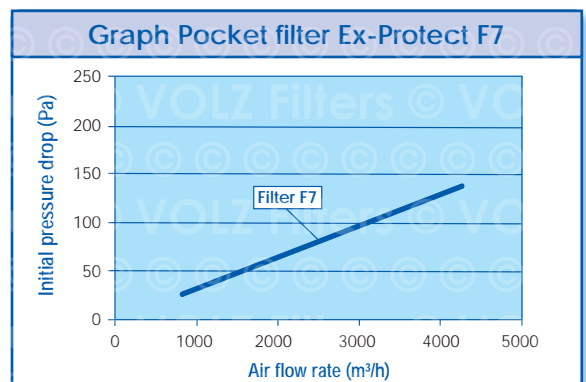
Available in three earthing versions:

- with grounding flag
- with grounding pin
- without earthing

### Assembly instruction for correct installation

**Correct Installation!**  
Pockets stand vertically

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



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