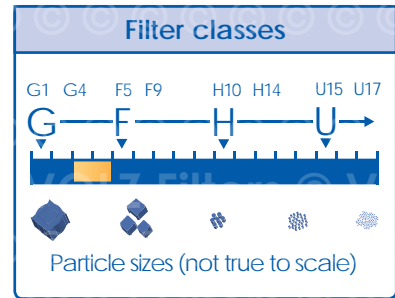




## Pocket filter pre filtration



### Applications

- For pre filtration in aerial engineering devices of all kinds
- Air conditioning in offices, schools, laboratories
- Prefiltration for fine filters
- Prefiltration for paint shops

### Classification acc. to EN 779

- Filter class G3 (EU3)
- Filter class G4 (EU4)

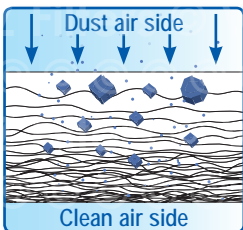
### Versions

- Standard sizes welded
- Special sizes on request
- Frame types:  
Plastic frame (25mm),  
Metal frame (20 or 25mm)
- Filters with plastic frame are fully incinerable
- Optional with foamed hygiene-gasket

### Material characteristics

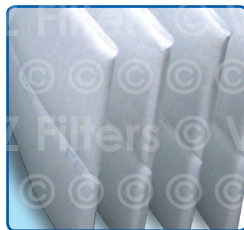
- Tested according to EN 779
- Shatter-proof synthetic fibres, environmentally safe
- Fire prevention requirements according to DIN 53438 (F1)
- Humidity resistant up to 100% r. h.
- Temperature resistant up to 80°C depending on type of frame
- Lacquer compatibility according to IPA-control
- High self-rigidity of the pockets

### Benefits of VOLZ Filters



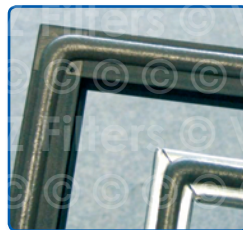
#### Progressive structure

- The filter medium is compressed towards clean air side and takes full depth of fibrous web for dust absorption



#### Higher density

- Higher density and pressure load due to endless pockets and their edge welding



#### 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

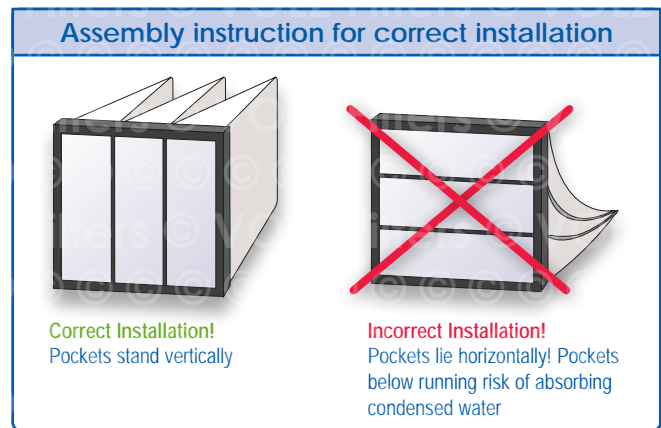
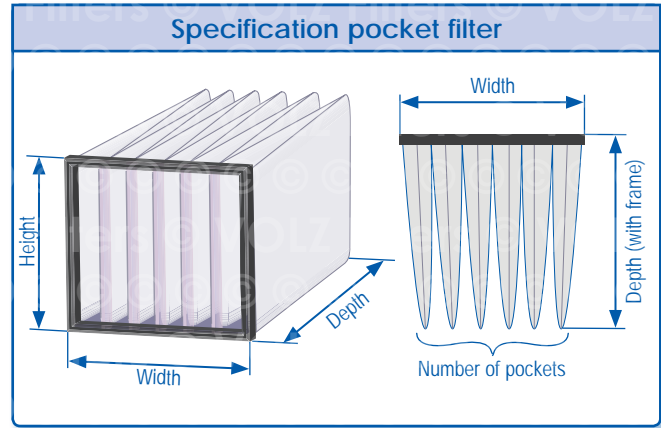


- Filter media and all components are produced in Germany
- Quality control of the complete production with internal filter test equipment and modern quality-management-tools
- Öko-Tex Standard 100 - tested for harmful substances
- Environment-friendly and easily disposable

Standard versions for pocket filter G3 - G4							
Width x Height	Depth	Number of pockets	Filter area	Width x Height	Depth	Number of pockets	Filter surface
	mm		m <sup>2</sup>		mm		m <sup>2</sup>
592 x 592 mm *1	200	6	1.6	592 x 490 mm *2	200	6	1.5
	300	6	2.4		300	6	2.1
	360	6	2.7		360	6	2.5
	500	6	3.9		500	6	3.4
	600	6	4.5		600	6	4.0
490 x 592 mm *1	200	5	1.3	592 x 287 mm *1	200	6	0.9
	300	5	1.9		300	6	1.2
	360	5	2.3		360	6	1.4
	500	5	3.2		500	6	2.0
	600	5	3.8		600	6	2.2
287 x 592 mm *1	200	3	0.8	287 x 287 mm *1	200	3	0.4
	300	3	1.2		300	3	0.5
	360	3	1.4		360	3	0.7
	500	3	1.9		500	3	1.0
	600	3	2.3		600	3	1.1

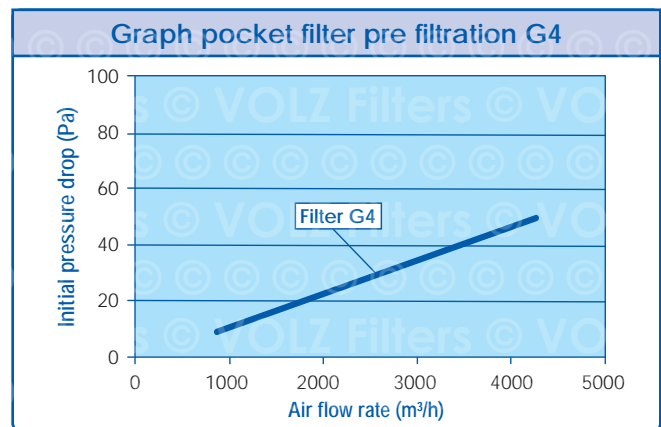
- Plastic frame (25mm), metal frame (20 or 25mm)
- Optional with foamed hygiene-gasket
- Pocket filters with plastic frame must be used holohedral incumbent
- Special sizes and special depths available on request

\*1 Standard sizes welded  
\*2 Special sizes stitched



### Pocket filter pre filtration; G4 (EU4) 592 x 592 x 600; 6 pockets

Initial pressure drop (Pa)	40	Average arresance (%)	≥ 90
Recommended final pressure drop (Pa)	250		
Nominal air flow rate (m <sup>3</sup> /h)	3400	Filter area (m <sup>2</sup> )	4.5



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