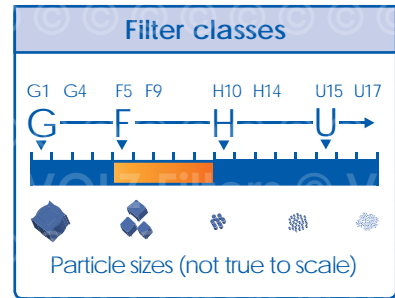




Pocket filter fine filtration



Applications

- For fine filtration in heat ventilation and air conditioning devices and plants of all kinds
- Offices, hospitals, computing centres
- Pharmaceutics, fine-mechanical and food industry
- Prefiltration e.g. for HEPA filters

Classification acc. to EN 779

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

*Without Pocket-Fitting, no 3-layer medium

Versions

- Standard sizes welded and with "Pocket-Fitting"
- 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

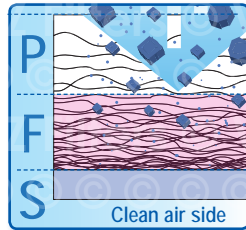
- Tested according to EN 779
- Shatter-proof synthetic fibres, environmentally safe
- Fire prevention requirements according to DIN 53438 (F1)
- Humidity resistant up to 100% r. h.
- Temperature resistant up to max. 80°C depending on type of frame
- Lacquer compatibility according to IPA-control
- Higher density and pressure load due to endless pockets and their edge welding

Benefits of VOLZ Filters



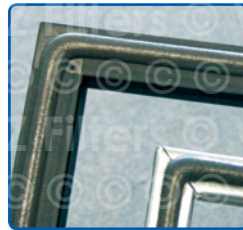
Pocket-Fitting

- Form stability of the single pockets
- Optimal distribution of incoming flow
- Effective use of the filter area
- Optimal pocket opening



3-layer medium

- P: Pre filter grade
- F: Fine filter grade
- S: Synthetic layer on clean air side for stabilization
- Best arrestance
- Low pressure loss
- High dust retention capacity



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

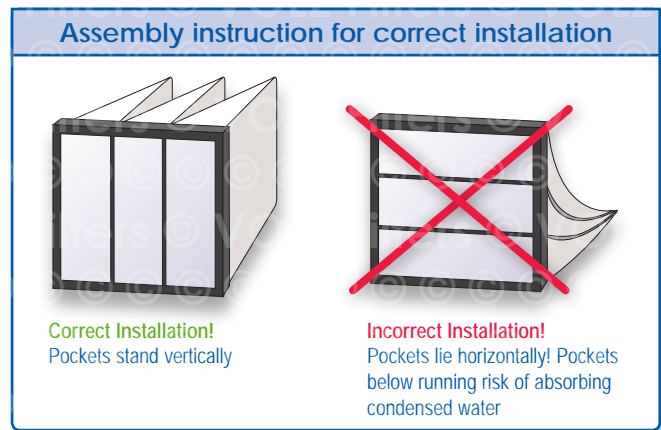
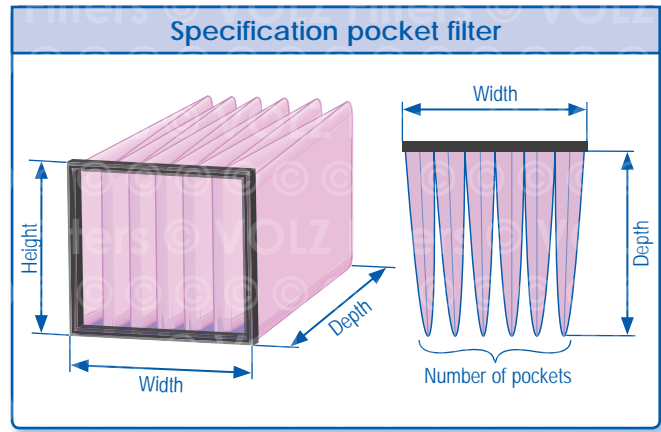


- Filter media and all components are produced in Germany
- Quality control of the complete production with internal filter test equipment and modern quality-management-tools
- Öko-Tex Standard 100 - tested for harmful substances
- Environment-friendly and easily disposable

| Standard versions pocket filter F5 - F9 | | | | | | | | | | |
|---|-----|-------|-------------------|----------------|-------------------|----------------|----|-------|-------------------|-------------------|
| Width x Height | | Depth | Number of pockets | Filter area | Pocket-Fitting *3 | Width x Height | | Depth | Number of pockets | Pocket-Fitting *3 |
| | | mm | | m ² | | | | mm | | m ² |
| 592 x 592 mm *1 | 360 | 6 | 2.9 | X | 592 x 490 mm *2 | 360 | 6 | 2.5 | - | |
| | | 8 | 3.9 | X | | | 8 | 3.2 | - | |
| | 380 | 10 | 4.8 | X | | 380 | 10 | 4.2 | - | |
| | | 12 | 5.7 | X | | | 12 | 5.0 | - | |
| | 500 | 6 | 4.1 | X | | 500 | 6 | 3.4 | - | |
| | | 8 | 5.4 | X | | | 8 | 4.4 | - | |
| | 535 | 10 | 6.5 | X | | 535 | 10 | 5.8 | - | |
| | | 12 | 7.8 | X | | | 12 | 6.9 | - | |
| | 600 | 6 | 4.8 | X | | 600 | 6 | 4.0 | - | |
| | | 8 | 6.5 | X | | | 8 | 5.2 | - | |
| | 635 | 10 | 7.6 | X | | 635 | 10 | 6.8 | - | |
| | | 12 | 9.1 | X | | | 12 | 8.1 | - | |
| 490 x 592 mm *1 | 360 | 5 | 2.5 | X | 592 x 287 mm *2 | 360 | 6 | 1.5 | - | |
| | | 6 | 2.9 | X | | | 8 | 2.0 | - | |
| | 380 | 8 | 3.8 | X | | 380 | 8 | 2.1 | - | |
| | | 10 | 4.8 | X | | | 10 | 2.5 | - | |
| | 500 | 5 | 3.4 | X | | 500 | 6 | 2.1 | - | |
| | | 6 | 4.1 | X | | | 8 | 2.7 | - | |
| | 535 | 8 | 5.2 | X | | 535 | 8 | 2.9 | - | |
| | | 10 | 6.5 | X | | | 10 | 3.5 | - | |
| | 600 | 5 | 4.0 | X | | 600 | 6 | 2.5 | - | |
| | | 6 | 4.8 | X | | | 8 | 3.2 | - | |
| | 635 | 8 | 6.1 | X | | 635 | 8 | 3.4 | - | |
| | | 10 | 7.6 | X | | | 10 | 4.1 | - | |
| 287 x 592 mm *1 | 360 | 3 | 1.5 | X | 287 x 287 mm *2 | 360 | 3 | 0.8 | - | |
| | | 4 | 2.0 | X | | | 4 | 1.0 | - | |
| | 380 | 5 | 2.4 | X | | 380 | 5 | 1.3 | - | |
| | | 6 | 2.9 | X | | | 6 | 1.5 | - | |
| | 500 | 3 | 2.0 | X | | 500 | 3 | 1.0 | - | |
| | | 4 | 2.7 | X | | | 4 | 1.3 | - | |
| | 535 | 5 | 3.2 | X | | 535 | 5 | 1.7 | - | |
| | | 6 | 3.9 | X | | | 6 | 2.1 | - | |
| | 600 | 3 | 2.4 | X | | 600 | 3 | 1.2 | - | |
| | | 4 | 3.2 | X | | | 4 | 1.6 | - | |
| | 635 | 5 | 3.8 | X | | 635 | 5 | 2.0 | - | |
| | | 6 | 4.6 | X | | | 6 | 2.4 | - | |

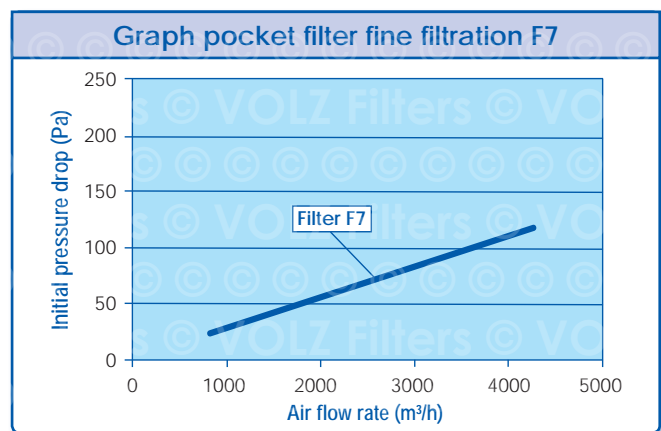
- Plastic frame (25mm), metal frame (20 or 25mm)
- Optional with foamed hygiene-gasket
- Pocket filters with plastic frame must be used holohedral incumbent
- Special sizes and special depths available on request

*1 Standard sizes welded
 *2 Special sizes stitched
 *3 Optional with cover sticks against surcharge



Pocket filter fine filtration; F7 (EU7) 592 x 592 x 600; 8 pockets

| | | | |
|---|------|-------------------------------|---------|
| Initial pressure drop (Pa) | 95 | Average arresstance (%) | - |
| Recommended final pressure drop (Pa) | 450 | Average efficiency (0.4µm) | 80 - 90 |
| Nominal air flow rate (m ³ /h) | 3400 | Filter area (m ²) | 6.5 |



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