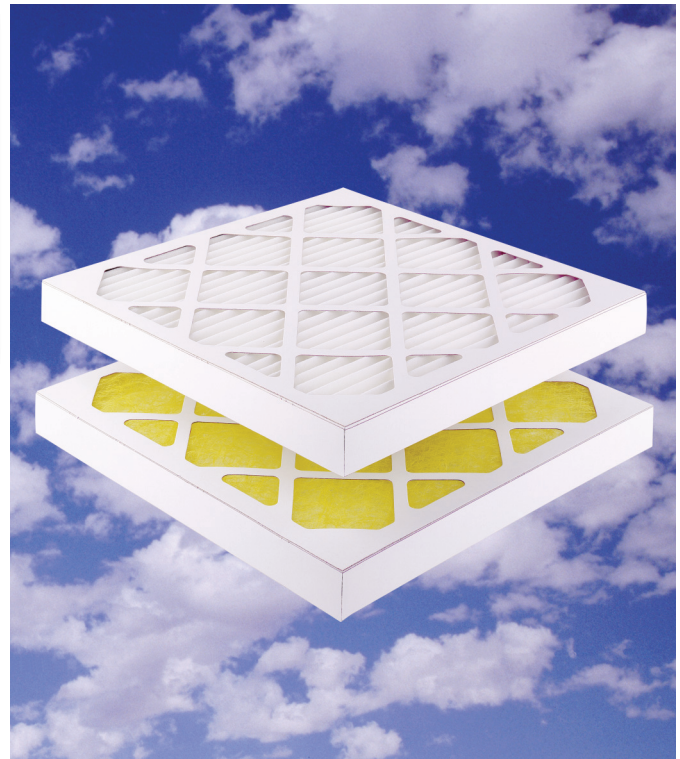


Frame filters G2 – F9 (panel filters, pleated Z-Line)

| | |
|---|--|
| Applications ▼ | Filter class EN779 ▼ |
| For the pre- and fine dust filtration in <input type="checkbox"/> aerial engineering plants and devices of all kinds <input type="checkbox"/> air conditioning and paint-booth-systems | filter class G2 (EU2) filter class G3 (EU3) filter class G4 (EU4) filter class F5 (EU5) filter class F6 (EU6) filter class F7 (EU7) filter class F8 (EU8) filter class F9 (EU9) |
| Material characteristics ▼ | Versions ▼ |
| <input type="checkbox"/> tested according to EN779 <input type="checkbox"/> flame resistance according to DIN 53438, F1 <input type="checkbox"/> humidity resistance up to 100% r. F. <input type="checkbox"/> temperature resistance G2 – G9 up to 80°C | <input type="checkbox"/> all commercial standard sizes <input type="checkbox"/> each special size <input type="checkbox"/> frameworks: cardboard, galvanized steel sheet, aluminium, high-grade steel <input type="checkbox"/> with foamed hygiene seal on demand |



Panel filters

Standard sizes with punched full cardboard framework and glass fibre medium. The fibres are moistened with a bonding agent, in order to obtain a higher service life and a better separation.

As alternative panel filter can be also delivered with a synthetic filter media.

Z-Line

Standard and special sizes with punched full cardboard box, high-quality zigzag folded filter media and additional clean-air-lateral reinforcement by a wide metal supporting lattice.

- Filter class G4 (EU4) / standard, self-rigidly, without clean air-lateral metal supporting lattice, therefore fully burnable.

Volz-panel filters

Are characterised particularly by large dust holding capacity and thus long service life with low pressure loss. The simple handling with maintenance of the plants / devices makes these filters particularly user-friendly.

Volz-Z-Line-filter

Offer by their deep folding a larger effective filter surface than panel filters.

Depending upon desired depth and filter achievement they are single-step (continuous folding) or in two stages (combination 2/3 folding, 1/3 detention-active glass fibre mat) implemented.

Volz-Z-Line-Plus / G4

Because of the double filter surface and higher service lives in relation to the standard version, this filter, which is likewise fully burnable and self-rigid, within ranges is applicable, within which with higher flow rates one works.

PRE FZ 120303 VE

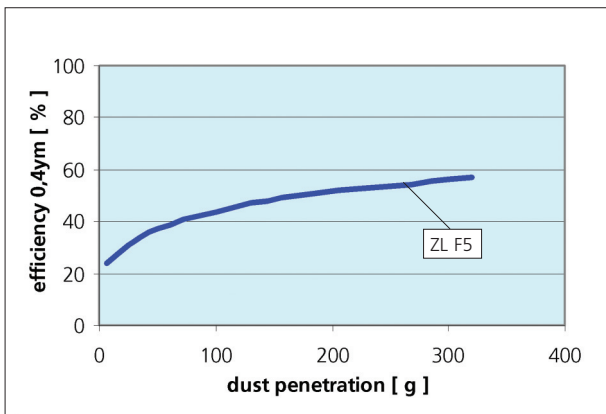
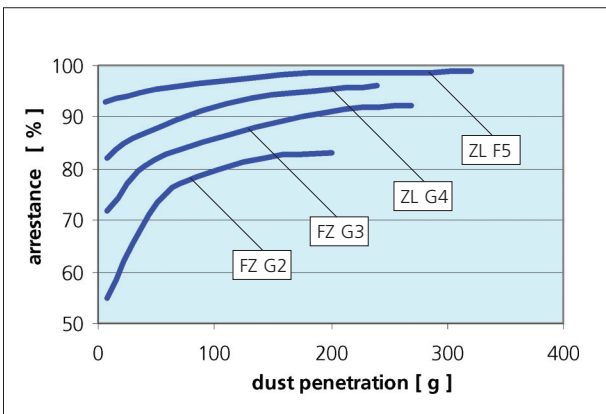
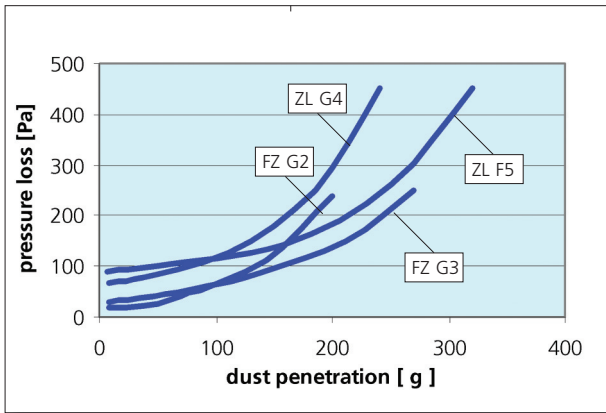
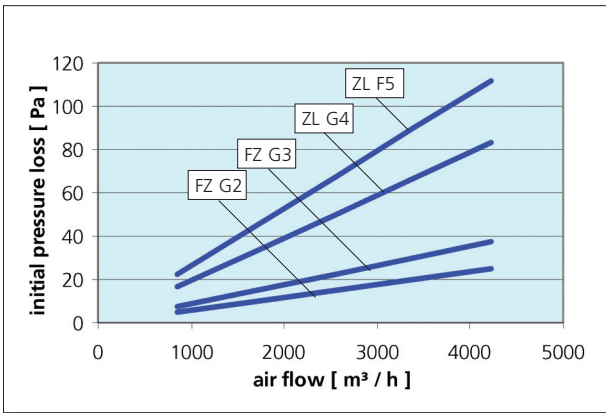
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VOLZ
LUFTFILTER

Frame filters G2 – F9 (panel filters, pleated Z-Line)

Filter technical test datas



| panel filters | | | | | | | |
|---------------|-------------|----------------|-----------------------|-------------------|-----------------------|--------------|--|
| deepness | filter area | rated air flow | initial pressure loss | middle arrestance | dust holding capacity | filter class | |
| mm | m² | m³/h | Pa | % | g | | |
| 25 | 0,36 | 2000 | 20 | 76 | 200 | G2 | |
| 48 | 0,36 | 2000 | 30 | 85 | 270 | G3 | |

| pleated filters (Z-Line) | | | | | | | |
|--------------------------|-------------|----------------|-----------------------|-------------------|-------------------------|-----------------------|--------------|
| deepness | filter area | rated air flow | initial pressure loss | middle arrestance | middle efficiency 0.4µm | dust holding capacity | filter class |
| mm | m² | m³/h | Pa | % | % | g | |
| 48 | 1,2 | 3400 | 67 | 92 | - | 240 | G4 |
| 96 | 2,0 | 1800 | 90 | 98 | 53 | 320 | F5 |

| Z-Line PLUS | | | | | | | |
|-------------|-------------|----------------|-----------------------|-------------------|-------------------------|-----------------------|--------------|
| deepness | filter area | rated air flow | initial pressure loss | middle arrestance | middle efficiency 0.4µm | dust holding capacity | filter class |
| mm | m² | m³/h | Pa | % | % | g | |
| 48 | 4,6 | 3400 | 52 | 91 | - | 710 | G4 |
| 48 | 4,6 | 3400 | 83 | 95 | 48 | 930 | F5 |

Indication:
tested according to EN779

* With indicated test datas it gives average values with tolerances due to variations of the production. For the correct of the datas it will require the express, written confirmation in individual cases by Volz Luftfilter.

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