HIGH QUALITY

Frame filter

Filter classes

G1 - G4   F5 - F9   E10 - E12 H13 - H14 U15 - U17

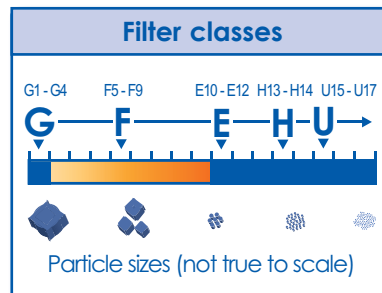**G** — **F** — **H** - **U** →

Particle sizes (not true to scale)

Applications

For pre- and fine dust filtration in

- Aerial engineering plants and devices of all kinds

- Air conditioning and paint shops

Classification acc. to EN 779

- Panel filter **G2**
- Panel filter **G3**
- Panel filter **G4**
- Panel filter **F5**

- Z-Line **G4**
- Z-Line **F5**
- Z-Line **F6**
- Z-Line **F7**
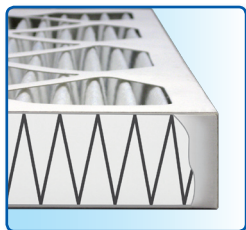- Z-Line **F8**
- Z-Line **F9**

Versions

- Standard sizes with stamped cardboard frame (G4 only)
- Special sizes on request
- Frame types: cardboard frame, galvanized metal frame, aluminium frame, plastic frame
- Panel filters also available as "Dust-Stop" version
- Optional with gasket
- Z-Line special sizes or with fine filtration media are additionally equipped with metal expanded mesh on clean air side
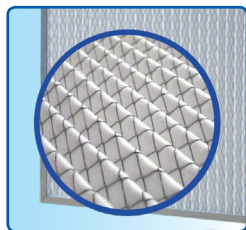
Material characteristics

- Tested according to EN 779
- Fire prevention requirements according to DIN 53438-3 (F1)
- Humidity resistant up to 100% r. h.
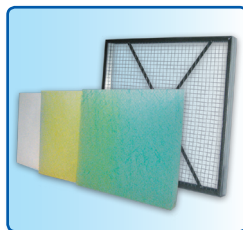- Temperature resistant up to max. 80°C depending on type of frame

Benefits of VOLZ Filters

Z-line characteristics

- Big filter area in small required space

Z-line Ex-Protect

- Z-line is also available as Ex-Protect version for aerial engineering plants of Ex-Schutz zones 1 and 2 (only metal frame)
- With metal expanded mesh on both sides
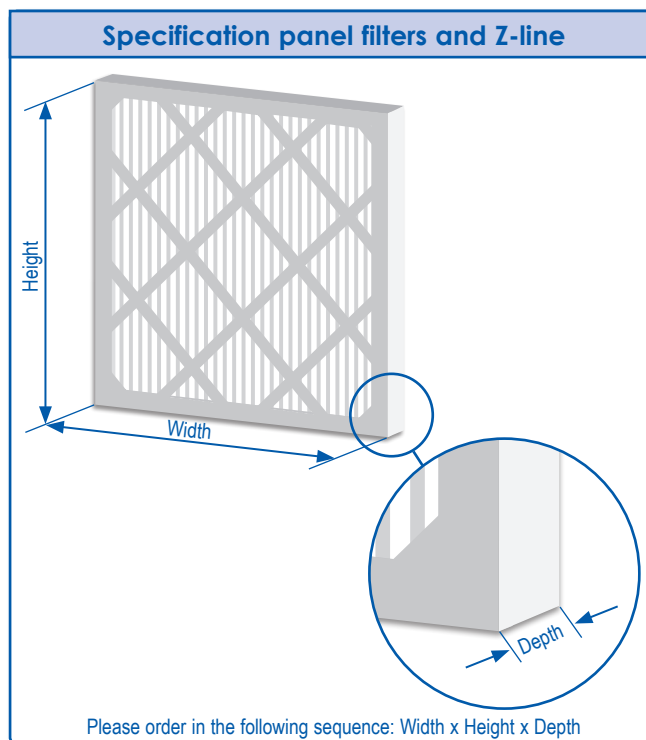- Electroconductive medium

Combination possible

- Changing frame (only metal frame) can be used with several filter mats
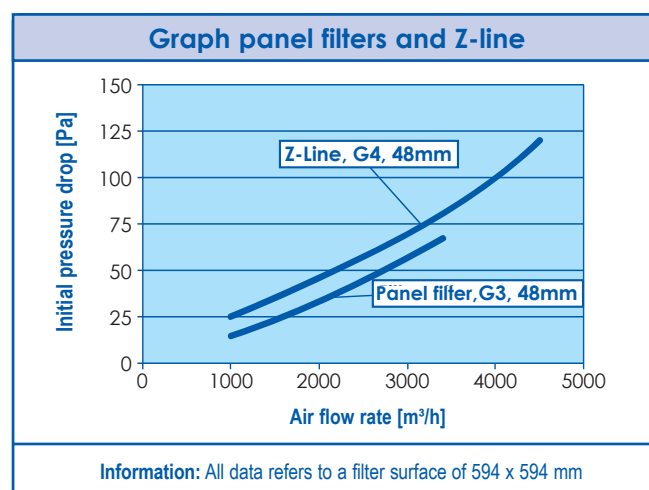
VOLZ plus

- Filter media is produced in-house
- Quality control of the complete production with internal filter test equipment and modern quality-management-tools

VOLZ FILTERS — PROTECT YOUR AIR

Pocket filters

Filtration mats

Pleat filters (cassettes)

HEPA filters

Extra-/special filters

Accessories

Standard versions frame filter G2 - F9

Width x Height	Depth	Filter area panel filter	Filter area Z-line
	mm	m²	m²
290 x 594 mm	24**	0.17	*
	48	0.17	0.6
	96	0.17	1.0
393 x 495 mm	24**	0.19	*
	48	0.19	0.7
	96	0.19	1.3
393 x 622 mm	24**	0.24	*
	48	0.24	0.9
	96	0.24	1.3
495 x 495 mm	24**	0.25	*
	48	0.25	0.9
	96	0.25	1.7
495 x 622 mm	24**	0.31	*
	48	0.31	1.1
	96	0.31	1.7
594 x 594 mm	24**	0.36	*
	48	0.36	1.3
	96	0.36	2.0

- Panel filter: G2 - F5
- Z-Line: G4 - F9

* Special sizes on request

** Cardboard frames with 24 mm
Other frame types with 25 mm

Specification panel filters and Z-line

Please order in the following sequence: Width x Height x Depth

Panel filter Dust-Stop 594 x 594 x 48mm; G3		Z-line - filter 594 x 594 x 48mm; G4	
Initial pressure drop (Pa)	35	Initial pressure drop (Pa)	85
Recommended final pressure drop (Pa)	250	Recommended final pressure drop (Pa	250
Nominal air flow rate (m³/h)	2000	Nominal air flow rate (m³/h)	3400
Average arrestance (%)	80 - 90	Average arrestance (%)	≥ 90

Graph panel filters and Z-line

Information: All data refers to a filter surface of 594 x 594 mm