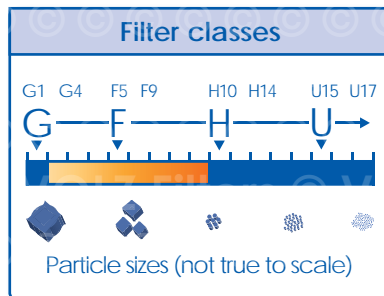


Frame filter



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 (EU2)
- Panel filter G3 (EU3)
- Panel filter G4 (EU4)
- Panel filter F5 (EU5)
- Z-Line G4 (EU4)
- Z-Line F5 (EU5)
- Z-Line F6 (EU6)
- Z-Line F7 (EU7)
- Z-Line F8 (EU8)
- Z-Line F9 (EU9)

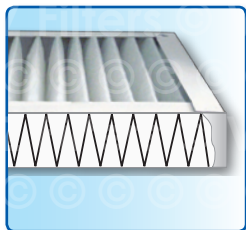
Versions

- Standard sizes with stamped cardboard frame
- 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 versions with fine filtration media are additionally equipped with metal expanded mesh on clean air side

Material characteristics

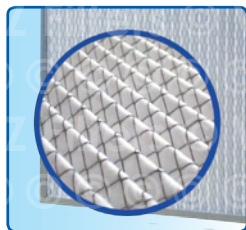
- Tested according to EN 779
- Fire prevention requirements according to DIN 53438 (F1)
- Humidity resistant up to 100% r. h.
- Temperature resistant up to max. 80°C depending on type of frame

Benefits of VOLZ Filters



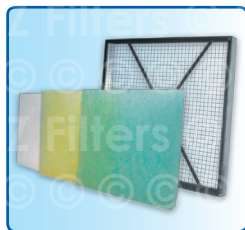
Z-line characteristics

- 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



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

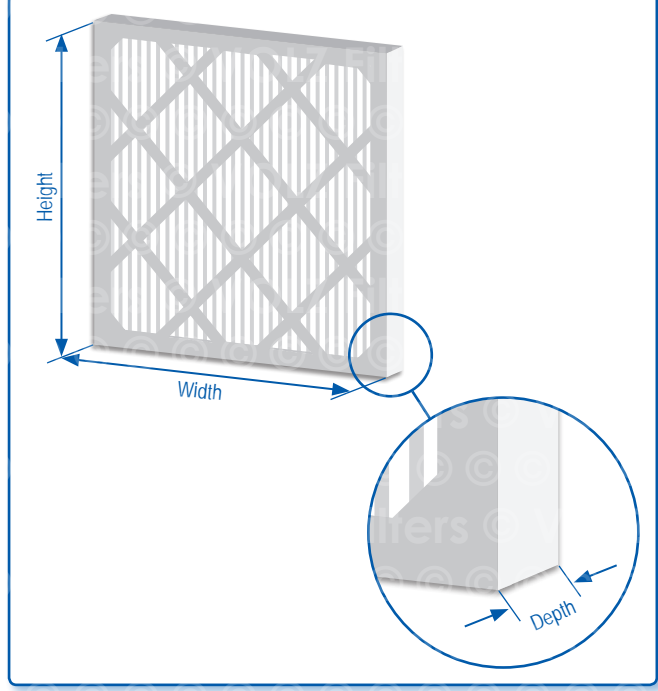
Standard versions frame filter G2 - F9

Width x Height	Depth	Filter area panel filter	Filter area Z-line
	mm	m ²	m ²
292 x 596 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
596 x 596 mm	24**	0.36	*
	48	0.36	1.3
	96	0.36	2.0

- Panel filter: G2 (EU2) - F5 (EU5)
- Z-Line: G4 (EU4) - F9 (EU9)

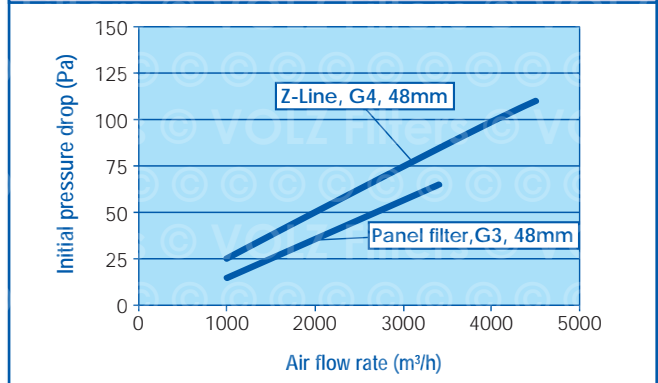
* Special sizes on request
 ** Cardboard frames with 24 mm
 Other frame types with 25 mm

Specification panel filters and Z-line



Panel filter Dust-Stop 596 x 596 x 48mm; G3 (EU3)		Z-line - filter 596 x 596 x 48mm; G4 (EU4)	
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 (m ³ /h)	2000	Nominal air flow rate (m ³ /h)	3400
Average arresstance (%)	80 - 90	Average arresstance (%)	≥ 90

Graph panel filters and Z-line



Information: All data refers to a filter surface of 596 x 596 mm

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