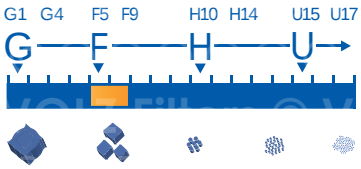
Fine filtration mats

Filter classes



Particle sizes (not true to scale)

Applications

- For general industrial paintings (V300S, V400S)
- For final filtration of supply air in painting and paint-spraying units (V500S, V600G, V5micron)

Classification acc. to EN 779

- Filter class F5 (EU5)
- Filter class F6 (EU6)

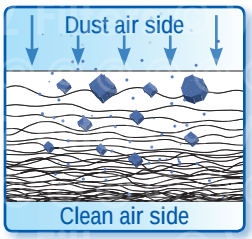
Versions

- Standard rolls 20 x 2m
- Precuts for finished dimension
- Precuts are packed under clean room conditions

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 80°C
- Contains no silicone or other lacquer harming substances

Benefits of VOLZ Filters



Progressive structure

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

Special prints

- Special prints are possible depending on certain quantities

High performance medium

- V500S, V600G and V5micron are additionally impregnated with dust adhesive
- Polyester-textile on clean air side gives V600G and V5micron a higher stability

VOLZ plus

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

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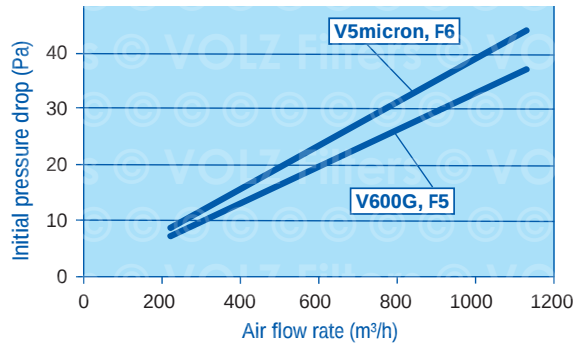
Versions fine filtration mats F5 - F6

Product	Filter class	Material thickness approx.	Surface weight approx.	Initial pressure drop *	Recommended final pressure drop	Nominal air flow rate	Air velocity	Average arrestance on 0.4 µm
		mm	g / m²	Pa / m²	Pa / m²	m³ / h / m²	m / s	%
V300S	F5	15	300	15	450	900	0.25	40 - 60
V400S	F5	20	400	20	450	900	0.25	40 - 60
V500S	F5	25	550	25	450	900	0.25	40 - 60
V600G	F5	25	650	30	450	900	0.25	40 - 60
V5micron	F6	25	750	35	450	900	0.25	60 - 80

*plane tested

Graph fine filtration mats F5 - F6



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