

Air filter mats

Voigt coarse dust filter mats

They are made of synthetic-organic, unbreakable polyester fibers, environmentally friendly and disposal-friendly and can be regenerated to a limited extent by blowing out, knocking out and washing out. Due to the medium compressed towards the clean air side (progressive structure), the full depth of the filter mat can be used for dust storage with a simultaneously low differential pressure. The mats are classified according to EN 779.



Voigt fine dust filter mats

They are made from unbreakable, synthetic-organic polyester fibers and are suitable, among other things, for filtration in painting and paint spraying systems. Through the use of fine fibers and a coordinated layering in the filter medium, these filter mats achieve an optimal effect against submicron particles. The progressive structure ensures a high level of dust storage and a low pressure difference. These filter mats cannot be regenerated. The mats are classified according to EN 779.



Voigt glass fiber filter mats

They are compressed towards the clean air side and thus ensure that the paint or dust particles are stored over the entire depth of the material. The upstream side of these filter mats is color-coded (yellow or green). The "Dust Stop yellow" filter mat is also equipped with a dust binding agent and is used to separate dry dust. The "Paint Stop green" filter mat is particularly suitable for separating paint mist air. The classification is based on EN 779.



Voigt activated carbon filter mats

They are used for the separation (adsorption) of gaseous and vaporous air pollutants, which can be harmful to humans, animals and plants. When using activated carbon filter mats, care must be taken to ensure that the flow velocity is low so that the contact time of the contaminated air with the filter mat is long enough.



Our air filter mats are available on rolls. However, we can also manufacture them as blanks or punched parts according to your specifications, sketches or drawings. The coarse dust filter mats in particular can also be sewn according to customer specifications.

Anwendungsgebiete

- ✓ Ventilation systems / devices
- ✓ Control cabinets
- ✓ Pre and fine filters for paint shops
- ✓ Pre and fine filters for paint spraying systems
- ✓ Pre and fine filters for drying systems
- ✓ Air conditioners
- ✓ Compressed air devices, compressors
- ✓ Fans
- ✓ Extractor hoods
- ✓ Vacuum cleaner filters

Air filter mats

Coarse dust filter mats

Description	Filter class EN779	Material thickness (mm)	Basis weight (g/m ²)	Degree of separation EN779 (%)	Initial differential pressure (Pa)	Roll length (lm.)	Roll width (mm)
SY PE 85-015/LF	G2	10	150	88	10	40	2000
SY PE 85-011/LF	G3	10	120	82	20	50	2050
SY PE 85-030/LF	G3	20	350	91	30	20	2000
SY PE 85-040/C/LF	G4	20	400	92	50	21	1120
SY PE 85-050/LF	G4	22	500	93	35	20	2000

Further technical data for all coarse dust filter mats

Nominal flow rate: 5.400 m ³ /h/m ²	Approach velocity: 1,5 m/s
Recommended final pressure difference: 250 Pa	Temperature (max.): 120°C

Fine dust filter mats

Description	Filter class EN779	Material thickness (mm)	Basis weight (g/m ²)	Degree of separation EN779 (%)	Initial differential pressure (Pa)	Roll length (lm.)	Roll width (mm)
SY PE 85-032/LF	M5	25	360	> 97	60	20	2000
SY PE 85-062/LF	M5	25	500	98	70	20	2000

Further technical data for all fine dust filter mats

Nominal flow rate: 2.520 m ³ /h/m ²	Approach velocity: 0,7 m/s
Recommended final pressure difference: 400 Pa	Temperature (max.): 130°C

Glass fiber filter mats

Description	Material thickness (mm)	Basis weight (g/m ²)	Average degree of separation of paint mist (%)	Initial differential pressure (Pa)	Roll length (lm.)	Roll width (mm)
Paint Stop 2" grün	50	210	90-95	6-30	20	2000
Paint Stop 3" grün	70	240	93-97	7-40	20	2000
Paint Stop 4" grün	100	350	98-99	14-60	20	2000

Further technical data for all Paint Stop glass fiber filter mats

Nominal flow rate: 2.500 - 6.300 m ³ /h/m ²	Approach velocity: 0,7 - 1,5 m/s
Recommended final pressure difference: 80 Pa	Temperature (max.): 180°C

Description	Filter class EN779	Material thickness (mm)	Basis weight (g/m ²)	Initial differential pressure (Pa)	Roll length (lm.)	Roll width (mm)
Dust Stop 1" gelb	G2	25	110	35	20	2000
Dust Stop 2" gelb	G3	50	120	50	20	2000
Dust Stop 4" gelb	G4	100	360	60	20	2000

Further technical data for all Dust Stop glass fiber filter mats

Nominal flow rate: 9.000 - 10.800 m ³ /h/m ²	Approach velocity: 2,5 m/s
Recommended final pressure difference: 250 Pa	Temperature (max.): 80°C

Activated carbon filter mats

Bezeichnung	Material thickness (mm)	Basis weight (g/m ²)	Activated carbon pad (g/m ²)	Adsorption surface (m ² /g)	Initial differential pressure (Pa)	Roll length (lm.)	Roll width (mm)
AKM-100	12	1000	500	1000 - 1200	6	20	1000



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Technische Änderungen vorbehalten
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