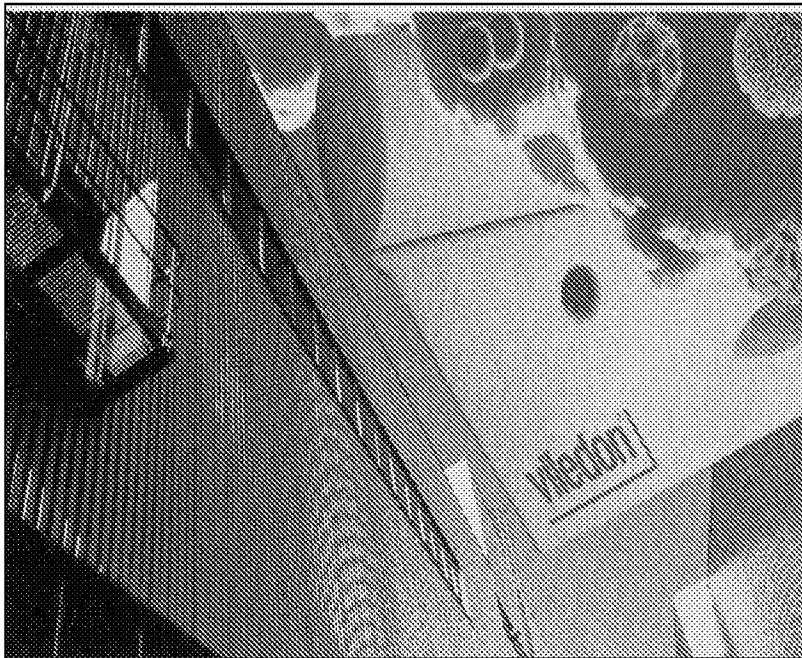


The P Series: Filter Mats from filter class G2 - G4 (EU2 – EU4)



Coarse Filtration
P 200
G2 EU 2
P300
G3 EU 3
P400
G4 EU 4

The filters

The filter mats are used for intake filtration in all kinds of ventilation systems.

- ◆ In industrial processes (engineering, pharmaceuticals, foodstuffs, etc.)
- ◆ In air conditioning applications (hospitals, laboratories, etc.)
- ◆ As prefilters to bag filters.
- ◆ In compact air-conditioners

P Series Filter Mats		P 200	P 300	P400
Weight	g/m ²	120	180	300
Thickness	mm	10	15	20
Roll length	m/m	2/40	2/20	2/20
Cut pieces To customer specification		On request	On request	On request

The filter media and the design

- ◆ 100% **synthetic** media, structured to provide low pressure loss and good dust holding capacity.
- ◆ All three filter mats have been tested according to EN 779.
- ◆ Made from non-breaking synthetic polyester fibres.
- ◆ Thermally bonded fibres provide high mechanical strength and optimum resistance from moisture.
- ◆ Available in both 2m x 20m rolls or supplied as cut pads.



Technical filter test data

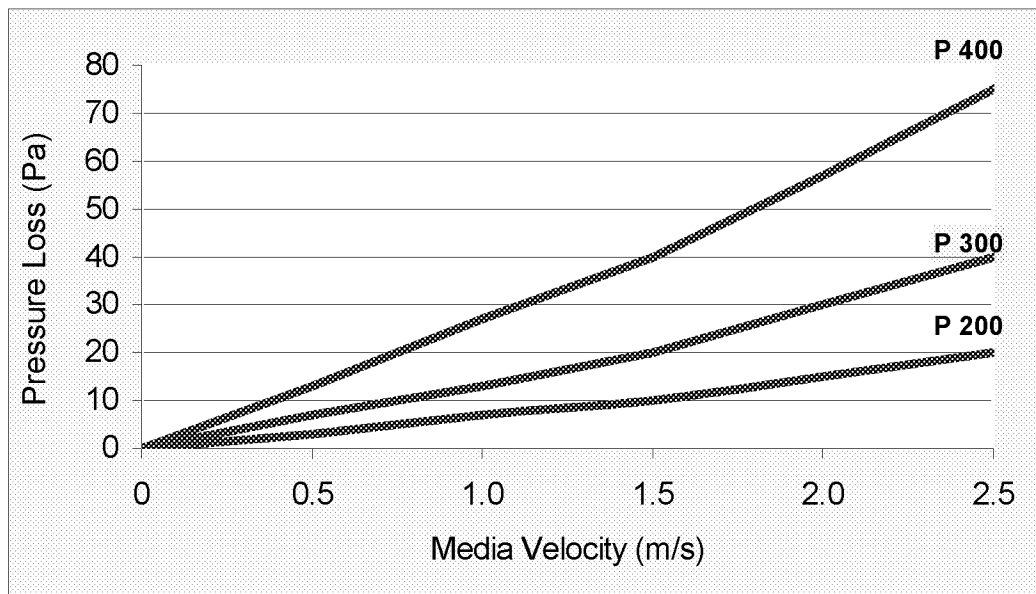
To EN 779

Filter specification

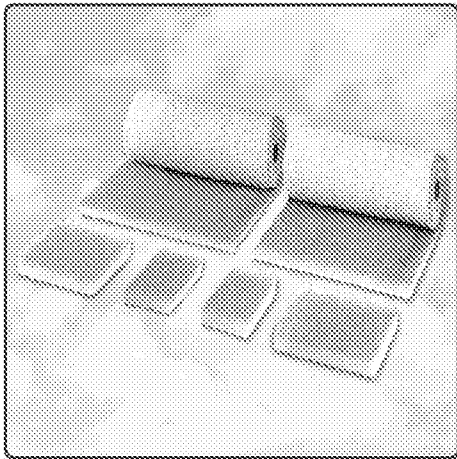
P Series Filter Mats		P 200	P 300	P 400
Filter class		G 2	G 3	G 4
Nominal media velocity	m/s	1.5	1.5	1.5
Initial pressure drop	Pa	10	20	40
Recommended final pressure drop	Pa	125	200	200
Average arrestance	%	67	81	90
Moisture resistance	%RH	100	100	100
Thermal Stability	°C	100	100	100



Pressure drop data



Glass fibre mats



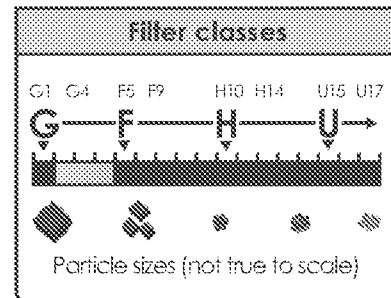
Dust-Stop (yellow)



Dust-Stop (yellow)



Paint-Stop (green)



Applications

Paint-Stop (green):

For use in separation of ink mist in paint shops and colour spraying cabins

- In automotive industry
- Manufacturing plants for furniture, windows, machines, etc.

Dust-Stop (yellow):

For separation of dry dust types

- In carpenters' workshops, metal working industry, etc.

Classification acc. to EN 779

- Filter class **G2 (EU2)** - green version
- yellow version
- Filter class **G3 (EU3)** - green version
- yellow version
- Filter class **G4 (EU4)** - green version
- yellow version



Versions

- Standard rolls e.g. 20 x 1m and 20 x 2m
- Special sizes on request
- Precuts for finished dimensions
- **Information concerning disposal:**
The disposal is subject to local restrictions. Depending on separated substances, used filter-medium has to be dried and disposed

Material characteristics

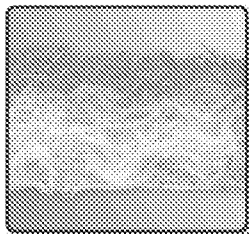
Paint-Stop (green):

- Temperature resistant up to max. 180°C
- Contains no silicone or other lacquer harming substances

Dust-Stop (yellow):

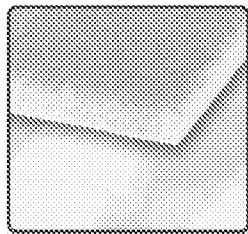
- Temperature resistant up to max. 80°C
- Additionally impregnated with antibacterial dust adhesive
- Contains no silicone

Benefits of VOLZ Filters



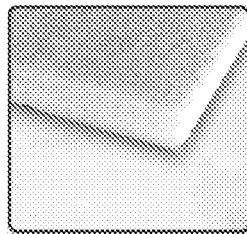
Shape elastic fibre structure

- The low compressibility of inordinately bedded glass fibres prevents the used medium from becoming compressed and enhances a higher separation



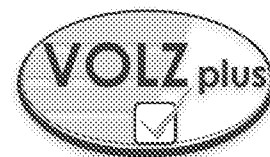
Paint-Stop (green)

- Separates ink mist from exhausted air. Thereby, exhaust air channels, fans and motors are protected from paint deposits. For identification reasons, dust air side is coloured green



Dust-Stop (yellow)

- Medium is additionally impregnated with an antibacterial dust adhesive. For identification reasons, dust air side is coloured yellow



- Glass fibre mats are produced in our plant in Germany
- Quality control of the complete production with internal filter test equipment and modern quality-management-tools

Standard versions glass fibre mats G2 – G4

Product	Filter classes	Material thickness approx.	Roll length*	Roll width*
		mm	m	m
Paint-Stop (green) 2"	G2 (EU2)	50	20 / 25 / 80 / 91	2.0 / 1.0 / 0.7 / 0.5
Paint-Stop (green) 3"	G3 (EU3)	75	20 / 25 / 80 / 91	2.0 / 1.0 / 0.7 / 0.5
Paint-Stop (green) 4"	G4 (EU4)	100	20 / 25	2.0 / 1.0 / 0.7 / 0.5
Dust-Stop (yellow) 1"	G2 (EU2)	25	20	2.0 / 1.0 / 0.7 / 0.5
Dust-Stop (yellow) 2"	G3 (EU3)	50	20	2.0 / 1.0 / 0.7 / 0.5
Dust-Stop (yellow) 4"	G4 (EU4)	100	20	2.0 / 1.0 / 0.7 / 0.5

* further dimensions on request

Glass fibre mat G3

Product	Colour	Material thickness approx.	Initial pressure drop	Recommended final pressure drop	Nominal air flow rate	Lacquer separation arrestance*
		mm	Pa	Pa	m³ / h / m²	%
Paint-Stop 3"	green	75	4 - 10	80	2500 - 6300	95

The measured data relates to 1m² filter surface

* The lacquer separation arrestance depends on the kind of lacquer, ink mist or environmental conditions like temperature or pressure in paint cabin

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Pocket filters

Filtration mats

Pleated filters (consertas)

HEPA filters

Extra-/special filters

Accessories