

Pocket filters

Pocket filters are the most commonly used air filter products in the area of coarse and fine dust. Their uncomplicated handling, long service life and easy disposal make them special. Our bag filters comply with the requirements of VDI 6022 (sheets 1 and 3).

Coarse dust pocket filter



They serve as pre-separators for the following filter stages or as the main filter for air conditioners or for process protection.

Filter class (EN 779)	Filter class (ISO 16890)	Initial- Δ P
G3	ISO coarse 55%	30 Pa
G4	ISO coarse 65%	35 Pa

Medium dust pocket filter



They are e.g. used in fine dust precipitation in the pharmaceutical, electrical and photographic industries as well as in partial and full air conditioning systems with high air purity in laboratories and sick rooms. The filter medium used has a multilayer structure.

Filter class (EN 779)	Filter class (ISO 16890)	Initial- Δ P
M5	ISO ePM10 55%	45 Pa
M6	ISO ePM2.5 65%	55 Pa

Fine dust pocket filter



These filters are used in ultra-fine dust separation in air conditioning systems with very high air purity, in the supply air for high quality assembly rooms and switchgear, in food production and as a pre-filter for clean room systems in the pharmaceutical industry. The filter medium used has a multilayer structure and meets the requirements of EN 779:2012.

Filter class (EN 779)	Filter class (ISO 16890)	Initial- Δ P
F7	ISO ePM1 65%	115 Pa
F9	ISO ePM1 80%	160 Pa

Pocket filters

Versions

The filter medium consists of fine synthetic fibers which are sewn into wedge-shaped pockets. The frames are made of either fully incinerable plastic (20/25 mm) or metal (25 mm). The bag filters can be made in all sizes.

Through the use of spacers a uniform air flow is achieved, through which the individual pockets in the entire depth can be loaded with dust.

As an option, we offer EX protection versions Ex II 2GD IIA for all filter classes. From the filter class M5 we also offer a biostatic filter medium, which inhibits the growth of germs, fungi and bacteria in the filter.

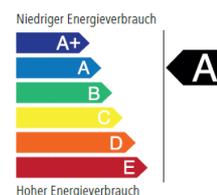
Advantages

- ▶ Large filter surface
- ▶ High dust storage capacity
- ▶ Long service life
- ▶ Low energy costs
- ▶ Easy disposal

Energy saving pocket filter



These pocket filters have a special wave structure which doubles the filter area to the same space. The pressure difference is thereby reduced by up to 30%. In addition, the larger area offers a service life increase by 30-60%. They fulfill the requirements of EN 779:2012.



Filter class (EN 779)	Filter class (ISO 16890)	Initial- ΔP
F7	ISO ePM1 65%	75 Pa
F9	ISO ePM1 80%	145 Pa

Performance data examples at nominal flow rate (m³/h)

Filter class (EN 779)	Width (mm)	Height (mm)	Depth (mm)	Performance (m ³ /h)	Depth (mm)	Performance (m ³ /h)	Depth (mm)	Performance (m ³ /h)	Number of pockets
G3 / G4	592	592	200	1900	360	3400	500	4700	6
G3 / G4	490	592	200	1600	360	2800	500	4000	5
G3 / G4	287	592	200	900	360	1700	500	2300	3
M5	592	592	200	1360	500	3400	600	4000	6
M5	490	592	200	1130	500	2800	600	3300	5
M5	287	592	200	680	500	1600	600	2000	3
M6 / F7 / F9	592	592	300	1570	500	2620	650	3400	8
M6 / F7 / F9	490	592	300	1300	500	2160	650	2800	6
M6 / F7 / F9	287	592	300	790	500	1210	650	1700	4