

Product data sheet: Panel filters

Panel filters are designed for installation in all types of air handling units with temperature resistance up to 70 ° C. Panel filters are used as the filters themselves for the second stage of filtration in conditions that require high filter strength at high rates of filtered air. They are mainly used in intelligent energy management systems - HVAC.

The polypropylene filter medium is folded into minipleat and joined by hot melt separation (HOT-MELT). The composite of the filter medium is inserted into a strength frame made of plastic, hardened paper or galvanized sheet metal. Sealing of the medium is a two-component or hot-melt adhesive. A flat seal 15 x 8 mm or an endless seal type "D" can be glued on the inlet or outlet side of the filter.

The depth of the frame is standardized at 25, 48 and 96 mm. At the request of customers, panel filters can be produced with an atypical frame depth. The filter is operated without maintenance, provided that when the recommended final pressure loss of max. 400 Pa is reached, the entire filter is replaced with a clean one.

Reference parameters of panel filters dimension 592 x 592 x 96 mm:

| EN 779 | M5 | F7 | F8 | F9 |
|-----------------------------|------------------------|------------------------|-------------------------|------------------------|
| EN ISO 16890 | ePM ₁₀ 75 % | ePM _{2,5} 80% | ePM _{2,5} 85 % | ePM ₁ 85 % |
| Nominal air flow rate | 3000 m ³ /h | 3000 m ³ /h | 3000 m ³ /h | 3000 m ³ /h |
| Initial pressure drop | 92 Pa | 118 Pa | 130 Pa | 176 Pa |
| Recomm. final pressure loss | 350 Pa | 350 Pa | 350 Pa | 400 Pa |

Filters are disposed of in incinerators or can be disposed of in a municipal waste landfill.

Packaging: Packed in foil and cartons; the label indicates the type of filter, filtration class, size, air flow direction and manufacturer.

Warranty: The warranty on the filters is given for the entire life of the filter.

