Nanoclass Square Select EPA and HEPA filters

Product Range

Select
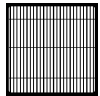
Features

Applications

Filter Class

E   H

KEY FACTS

- High efficiency
- Minipleat technology
- Various frame depths and types
- Low pressure drop
- Guaranteed leak free

DESIGN

Filter medium constructed from various grades of microglass fiber paper folded into a pack. The filter pack is sealed into a wooden, galvanized steel or stainless steel frame with a solid polyurethane sealant. Every filter is tested according to EN 1822:2009, and is supplied with a test report and three-part serialized product label.

APPLICATIONS

Final filter for clean rooms and clean workbenches. Used in the separation of viruses, bacteria, toxic dust and aerosols in hospitals, medical institutes, chemists, laboratories, pharmacies, food processing facilities, and the microelectronics industry.

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PERFORMANCE DATA

Filter Class	Dimensions	Media Area/ Capacity	Flow Rate	Pressure Drop
EN 1822	mm		m³/h	Pa
E11	610 x 610 x **78**	Standard	2500	250
H13	610 x 610 x 78	Standard	1260	250
H13	610 x 610 x **150**	Standard	2100	250
H13	610 x 610 x 150	Medium	2400	250
H13	610 x 610 x **292**	Standard	2100	250
H13	610 x 610 x 292	Medium	2400	250
H13	610 x 610 x 292	High	3400	250
H14	610 x 610 x **78**	Standard	1140	250
H14	610 x 610 x **150**	Standard	1850	250
H14	610 x 610 x 150	Medium	2150	250
H14	610 x 610 x **292**	Standard	1850	250
H14	610 x 610 x 292	Medium	2150	250

Performance data is for products with an MDF wooden frame, a continuous polyurethane on one side and no grid. Alternative options are outlined below.

SPECIFICATION

Recommended air flow	Flow rate ± 10 %	**Recommended final pressure drop**	Initial pressure drop x 2 (max. 600 Pa)
Heat resistance	Max. 80 °C	**Moisture resistance**	100 % rel. humidity
Regenerable	No	**Incinerable**	Yes (depending on frame material)

OPTIONS

Header Depth	Various upon request
Gasket	Continuous polyurethane or flat neoprene, 1 or 2 sides
Grid	Various types, 1 or 2 sides
Frame Material	MDF wood, galvanized steel, stainless Steel, plastic