

Nanoclass Square Select EPA and HEPA filters

Product Range



Features



Applications



Filter Class



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

Article No.	Filter Class	Dimensions	Media Area/ Capacity	Flow Rate	Pressure Drop
	EN 1822	mm		m³/h	Pa
800527055332	E11	610 x 610 x 78	Standard	2500	250
800527034785	H13	610 x 610 x 78	Standard	1260	250
800527034781	H13	610 x 610 x 150	Standard	2100	250
800527035232	H13	610 x 610 x 150	Medium	2400	250
800527034778	H13	610 x 610 x 292	Standard	2100	250
800527054738	H13	610 x 610 x 292	Medium	2400	250
800527035338	H13	610 x 610 x 292	High	3400	250
800527034603	H14	610 x 610 x 78	Standard	1140	250
800527034540	H14	610 x 610 x 150	Standard	1850	250
800527055337	H14	610 x 610 x 150	Medium	2150	250
800527034548	H14	610 x 610 x 292	Standard	1850	250
800527055338	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