

Nanoclass Square Eco

KE

Product Range



Features



Applications



Filter Class

H



KEY FACTS

- High efficiency (H13 > 99.95 %, H14 > 99.995 % at MPPS)
- Integral knife-edge for use with gel-seal grid ceiling systems
- Available in depth of 109 mm
- Minipleat technology for laminar flow
- Low pressure drop
- Guaranteed leak free

DESIGN

Filter medium constructed from various grades of microglass fiber paper folded into a pack. As standard, the pack is sealed into an anodized aluminum frame with integrated knife-edge.

APPLICATIONS

Final filter for clean rooms and clean workbenches that use gel-seal grid systems. For separation of viruses, bacteria, toxic dust and aerosols, in hospitals/medical institutes, chemists, laboratories, clean rooms, pharmacy, food processing industry, microelectronics.

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PERFORMANCE DATA

Article No.	Filter Class	Dimensions	Flow Rate	Pressure Drop
	EN 1822	mm	m ³ /h	Pa
800521024140	H13	305 x 305 x 109	150	90
800521024141	H13	305 x 610 x 109	300	90
800521024142	H13	305 x 762 x 109	375	90
800521024143	H13	305 x 915 x 109	450	90
800521024144	H13	457 x 457 x 109	350	90
800521024145	H13	457 x 610 x 109	450	90
800521024146	H13	610 x 610 x 109	600	90
800521024147	H13	610 x 762 x 109	750	90
800521024148	H13	610 x 915 x 109	900	90
800521024150	H13	610 x 1220 x 109	1200	90
800521024151	H13	762 x 1220 x 109	1500	90
800521024149	H13	762 x 915 x 109	1130	90
800521024152	H13	1220 x 1220 x 109	2400	90

Article No.	Filter Class	Dimensions	Flow Rate	Pressure Drop
	EN 1822	mm	m ³ /h	Pa
800521024075	H14	305 x 305 x 109	150	100
800521024076	H14	305 x 610 x 109	300	100
800521024077	H14	305 x 762 x 109	375	100
800521024078	H14	305 x 915 x 109	450	100
800521024079	H14	457 x 457 x 109	350	100
800521024080	H14	457 x 610 x 109	450	100
800521024081	H14	610 x 610 x 109	600	100
800521024082	H14	610 x 762 x 109	750	100
800521024083	H14	610 x 915 x 109	900	100
800521024085	H14	610 x 1220 x 109	1200	100
800521024084	H14	762 x 915 x 109	1130	100
800521024086	H14	762 x 1220 x 109	1500	100
800521024087	H14	1220 x 1220 x 109	2400	100

SPECIFICATION

Recommended air flow	Flow rate ± 10 %	Recommended final pressure drop	450 Pa (max. 600 Pa)
Heat resistance	Up to 70 °C (Peak 90 °C)	Moisture resistance	100 % rel. humidity
Regenerable	No	Incinerable	No

OPTIONS

Gasket	Continuous polyurethane foam or flat neoprene
Grid	1 or 2 sides