AIRCLEAN
YOUR AIR FILTER MANUFACTURER

absolair
HEPA FILTERS & AHU

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HEPA Panel Air Filters
E10, E11, H13, H14, and U15 to EN1822



Applications

HEPA Panel Filters offer the highest efficiency particulate filtration in the air filter range. This panel form of HEPA Filter are used as a final / terminal filter in scenarios where final air quality is essential.

Cleanroom and Operating Theatre Ceiling Terminal Housings, Laminar Flow Cabinets / Workstations and Safety Cabinets use Panel Style HEPA Filters ensuring a non turbulent and laminar air flow.

Typically we see these style of filters in industries such as healthcare, research, food and beverage, electronic, nuclear and pharmaceutical where air quality is essential and often tested / proven.

Description

The HEPA filtration medium is provided by non-flammable and water repellant microfine glass fibres formed into a paper-like surface. The HEPA Filter medium is formed into a rigid packs of close mini pleats that are then secured and spaced using “beaded hotmelt” ensuring a sustained clear air path through the filter.

The mini pleat HEPA media pack is sealed into an anodized aluminium frame with a polyurethane bond complete with white painted facia grilles inserted on both sides.

A continuous neoprene closed cell gasket is applied to a single face of the filter as standard (clean or dirty side), or on request can be applied to both faces. Gel seals and knife edges are also available on special request.

All filters are individually tested to EN1822 and come complete with a test certificate.

Technical

Max operating temperature = 70°C
Max working humidity = 100% RH
Standard HEPA Panel Depths (Excl. Gasket) = 66mm / 69mm / 80mm / 124mm
Sealants:

- Gasket Seal (‘D’ Dirty Air Face Side **or** ‘C’ Clean Air Face Side **or** ‘B’ Both Faces)
- Gel Seal
- Knife Edge

STANDARD SIZES **1510 H14 HEPA PANELS**

ACTUAL SIZE mm			FLOW RATE		GRADE to EN1822	REF	Part No.
H	W	D	FV: 0.45m/s (tested)	Max Duty			
550	550	69	0.14m3/s @ 125Pa	0.28m3/s @ 250Pa	H14	H14/MINI/A/2GR/C	1510810
550	550	124	0.14m3/s @ 125Pa	0.38m3/s @ 250Pa	H14	H14/MINI/A/2GR/C	1510811
305	609	69	0.08m3/s @ 125Pa	0.17m3/s @ 250Pa	H14	H14/MINI/A/2GR/C	1510816
609	609	69	0.16m3/s @ 125Pa	0.33m3/s @ 250Pa	H14	H14/MINI/A/2GR/C	1510812
609	1220	69	0.32m3/s @ 125Pa	0.64m3/s @ 250Pa	H14	H14/MINI/A/2GR/C	1510817
NON-STANDARD					E10, E11, H13, H14, U15	-	1510899

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