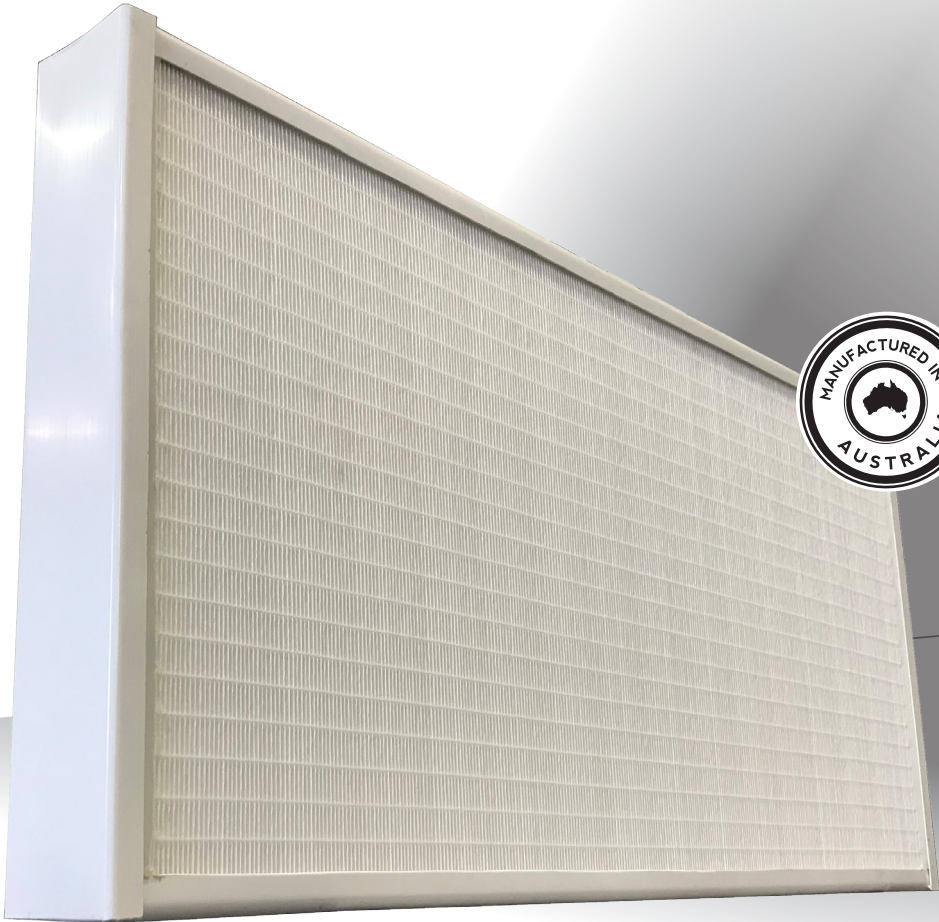
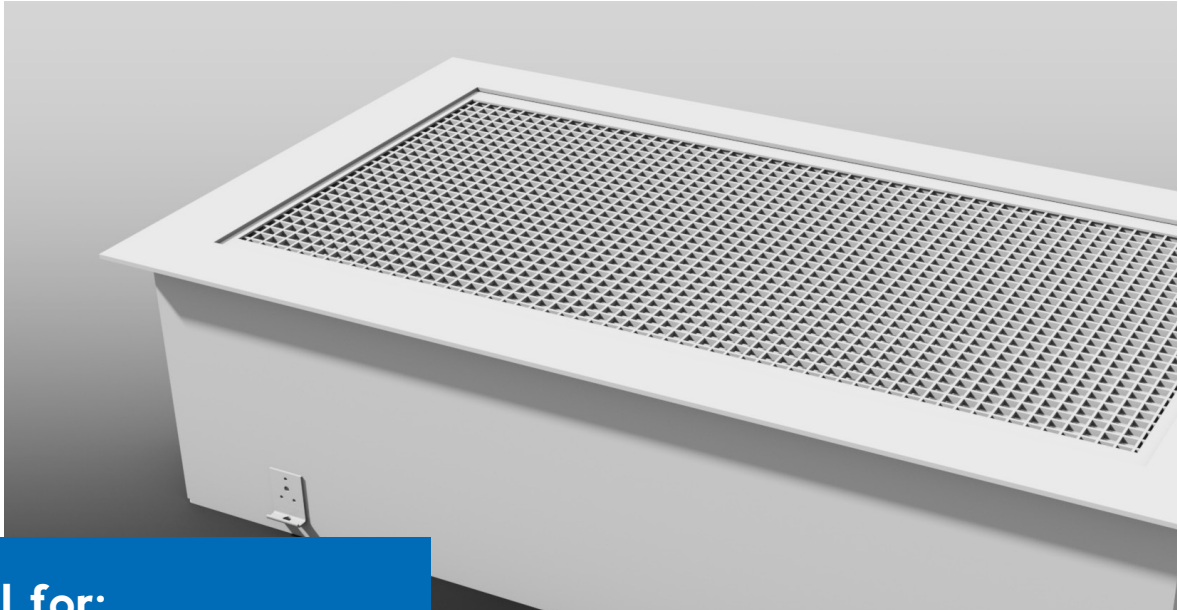


Non-Metallic Fascia HEPA Filter





Ideal for:

- Forensic
- Electronic
- Geological and
- Magnetic applications.

Applications

AES Environmental continues to develop its product mix, through engineering and clever use of plastics AES can now offer an ceiling mounted HEPA module that is entirely free from metal. Ideal for:

- Forensic
- Electronic
- Geological and
- Magnetic applications.

Description

The HEPA filter module is fully manufactured in Australia to conform with the performance requirements of AS 1386. It comprises a HEPA filter in a nylon housing with an attractively styled PVC fascia and the option of an integral fan/blower.

Performance

Email Air Handling HEPA filters are individually tested on a NATA accredited Hot DOP test rig to AS 4260 and filter efficiency is always guaranteed. To pass inspection each filter must achieve an efficiency of 99.99%.

Modules are individually tested to conform with AS 1386 - sound level not exceeding 62dBA on a free field basis.

Standard specification

HEPA filter modules shall conform with AS 1386. A NATA accredited laboratory shall test modules and the manufacturer shall provide a certificate showing test results for the purpose of establishing full compliance with AS 1386. Individual HEPA filters shall be tested to AS 4260.

Installation

HEPA filter modules must be supported independently from the ceiling structure. The module's power supply must be interlocked with the air conditioning unit in such a way as to start the module fan before starting the air conditioner fan.



Construction

FASCIA	Filter guard is constructed from PVC.
FAN	A variable speed direct drive blower that enables airflow adjustment as required.
FILTER	HEPA type, strictly conforming with AS 4260.
POWER	Provided via a single phase 240 V, 10 amp 3 pin plug.
FILTER SEALS	Modules can be supplied with either gasket or fluid seal HEPA filters.

Maintenance and Service

To ensure conformity with AS 1386, HEPA filter modules should be inspected and tested on site:

- before use
- on at least an annual basis
- after modification
- after relocation
- when HEPA filter is renewed

On Site Testing

All HEPA filters shall be tested to AS 1807.6 or 1807.7 by AES Environmental or other NATA accredited laboratory.



AES Environmental maintains an ISO 9001:2008 quality management system to ensure process and product conformance.

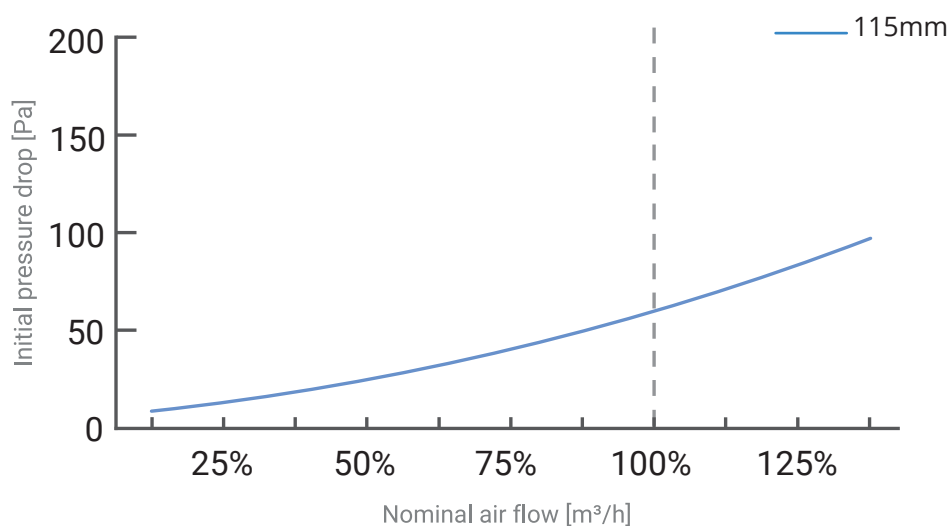


Part No.	Dimension (mm)		Depth	Nominal air flow [m ³ /h]	Filter Class	Initial Pressure Drop Pa
	Width	Height				
16214-2012	305	610	115mm	300	H14	
16214-2013	610	610	115mm	605	H14	60
16214-2014	915	610	115mm	905	H14	
16214-2015	1200	610	115mm	1205	H14	

The given initial pressure drop is valid for filters with a single side protection grid on the air outlet side. Filters with protection grids on both sides may have higher values. Our flexible production is able to realize nearly any demand / specification.

Filters fulfilling class EN 1822 U17 will only be offered as a customized product. The pressure drop underlies tolerances. Please contact our sales engineers for tolerances, further dimensions or options.

Diagram of pressure drop EN 1822 H14

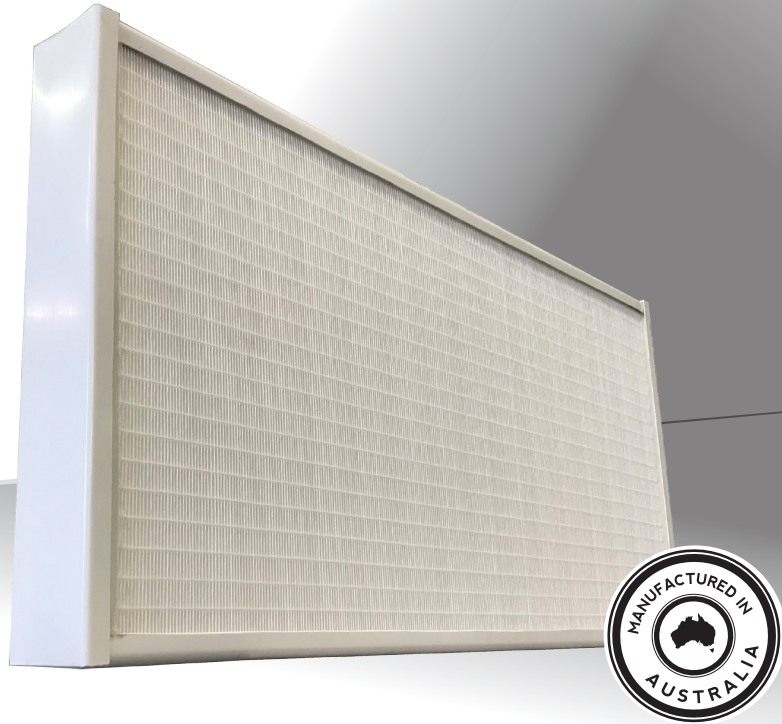


The validity of the diagram above, is limited to filters with class EN 1822 H14, glass fiber, single side protection grid and standard pleat depth (filtersurface).

Operational conditions

- Max. rel. h. 100 [%]
- Max. temp. 70 [°C] (optional bis max. 120 [°C] - glass media only)
- Pressure drop may temporarily increase at high humidity levels





HEPA Media Construction

The glass-paper filtering medium is pleated into a narrow vee formation and held in place by separators inserted between the pleats. This forms the filter element which is bonded into a rigid frame with all joints encapsulated and sealed in a special urethane elastomer.

Replacement HEPA No. to suit HEPA Modules

Size	HEPA Module Part No.	HEPA Filter Part No.
600 x 600	1687-1960/21	1589-7182/351
600 x 1200	1687-1960/11	1589-7182/350

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In keeping with our policy of continuing product improvement, we reserve the right to alter specifications without notice.



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