

AIREFLOW-HC

High Velocity HEPA Filter

Description

AireFlow-HC HEPA filters are designed for high airflow applications requiring HEPA efficiency at a low initial pressure drop. The AireFlow-HC are designed to operate in systems with air velocities of 2.54 m/sec and a pressure drop of 248 Pascals.

AireFlow-HC HEPA filters are rated at H13 and H14 to EN 1822:2009.

AireFlow-HC HEPA filters have been manufactured from the highest quality of materials under strict quality control conditions, and are certified to ensure performance under the most critical of conditions for performance and leak-free operation.

Typical applications for AireFlow-HC HEPA filters include, medical facilities, universities, pharmaceutical manufacturing, research facilities, food and dairy processing facilities and in any application where ultra clean air and high velocities are a requirement.

Construction

Airepure's AireFlow-HC HEPA Filter media is manufactured from moisture resistant micro glass fibre media, which is highly resistant to moisture in high humidity environments. This media is formed into mini-pleat media packs using a hot melt separator, and arranged into a V-bed configuration. These mini-pleat media packs are then fully potted into the frame casing with a urethane sealant.

The AireFlow-HC HEPA filter casing is manufactured from 1.6mm galvanised steel and consists of vertical support struts of the same material. These are then constructed into a box style frame arrangement. The vertical support struts provide additional sealing surface for the HEPA filter mini-pleat media packs, so they can be sealed around the entire periphery to the frame. This helps to provide strength and durability for high velocity applications.

Installation position, service side and direction of airflow can be in any direction.

Testing

Each AireFlow-HC HEPA filter is individually tested and certified to meet the customer's requirements for resistance and efficiency. Each filter is labelled noting tested efficiency, pressure drop, rated airflow and serial number. AireFlow-HC HEPA filters have been designed to comply with the requirement of AS4260.1997.

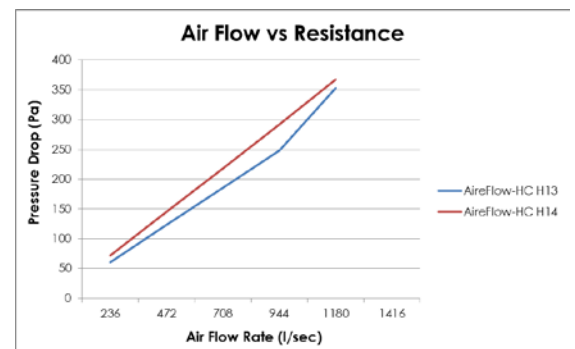
When used with correctly selected mounting frames or housings, AireFlow-HC HEPA filters will easily pass AS1807.6 & AS1807.7 Final Filter Integrity test carried out by a NATA registered laboratory.

Options

- Rated at H13 or H14 to EN 1822:2009
- 304 or 316 Grade Stainless Steel Casing
- Available in non-standard sizes



AireFlow-HC HEPA Filter



AIREPURE AIREFLOW-HC HEPA FILTER DIMENSIONS & CAPACITIES

High Velocity HEPA Filter

Model	Airflow Capacity @ 2.54m/sec (l/sec)	Pressure Drop (Pascals)	Actual External Dimensions (mm)			Rating to EN 1822:2009	Weight (kg)
		Initial	Height	Width	Depth		
AFHC8G2GG	944	248	610	610	292	H13	29
AFHC4G2GG	472	248	305	610	292	H13	15
AFHC8G4GG	944	292	610	610	292	H14	29
AFHC4G4GG	472	292	305	610	292	H14	15

Guide Specification

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| <p>1.0 General</p> <p>1.1 AireFlow-HC HEPA filters shall be V-bed style, high velocity HEPA filters as supplied by Airepure Australia.</p> <p>1.2 Sizes, capacities shall be as noted on drawings or other supporting material.</p> <p>2.0 Construction</p> <p>2.1 The filters shall be constructed from mini-pleat media packs formed into a V-bed configuration.</p> <p>2.2 The filter media shall be constructed of moisture resistant micro fine glass fibre media.</p> <p>2.3 The mini-pleat media packs shall be sealed around the entire periphery to the frame casing with a urethane sealant.</p> <p>2.4 The frame casing shall be constructed from 1.6mm galvanised steel and consist of vertical support struts of the same material.</p> | <p>3.0 Performance</p> <p>3.1 The AireFlow-HC filters are rated at H13 or H14 to EN 1822:2009</p> |
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The information provided in this brochure is accurate at the time of printing to the best of Airepure Australia's knowledge, however, it should not be relied upon. Circumstances differ with every installation and location therefore suitability of all Airepure products should be confirmed with a qualified Airepure Technical Representative. Rev 1116 ©Airepure Australia 2016

