

Compact Hepa TFP

VOKES

Filtration Technology™

Disposable HEPA filter module

Application

This series of disposable HEPA module is designed to meet the rigorous requirements of pharmaceutical, research, life sciences, biotechnology, bio-medical and other industries which require exceptionally clean air.

Specifications

Designed and developed to provide the cleanest air for products, personnel, and processes. The Vokes TFP disposable module is used in unidirectional and non-unidirectional air flow cleanrooms, laminar flow devices and HVAC systems. Constructed units contain mini-pleat HEPA filter elements, which meets or exceeds industry standards.

Description

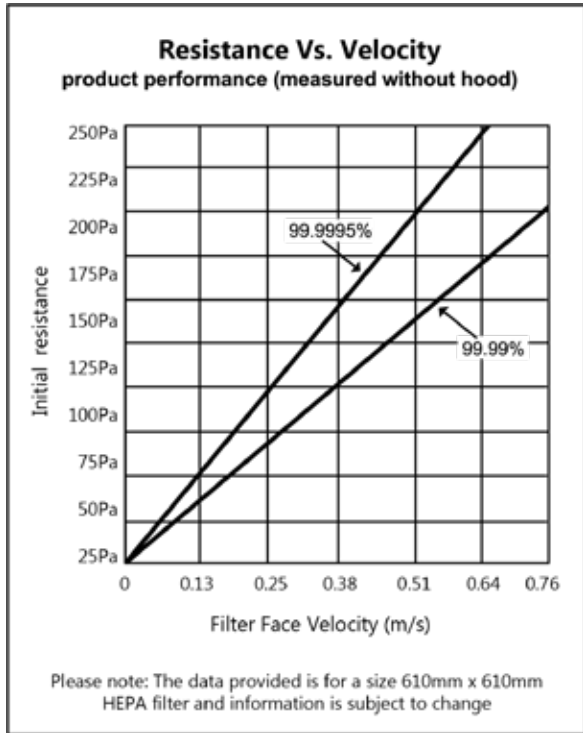
- 50 mm media pack provides the most cost-effective solution for all critical applications
- Low profile to fit low ceiling heights (150mm)
- Light-weight and compact design; makes it easier for maintenance staff to handle, install and replace
- 99.99% and 99.9995% HEPA filter efficiencies to meet strict critical requirements
- Each filter is tested to assure leak free performance to AS4260 or equivalent international standards
- Designed to fit standard grid systems
- Modules are created for easy disposal when its final resistance has been reached



Drawing of 610mm x 1200mm TFP Module

Construction

- Heavy duty, light weight frames for rugged leak-free construction.
- High strength method of assembly minimises weight
- Rugged, polyurethane sealant completely encapsulates filter element to assure leak free media pack to frame bond.
- Material is flexible for shock adsorption and thermally/chemically stable to meet out-gassing requirements.
- Dimpled collar (10" or 12 ") backplate to prevent slippage of flexible ducting
- Adjustable diffusion disc for uniform airflow distribution (0.5 m/s \pm 20%)
- Supplied in a white epoxy powder coated or stainless steel facia grille (62% open. 22 gauge) protect filter media from damage, or stainless steel finish
- Can be integrity tested to AS 1807 HEPA filter test methods



Features

- Optimal combination of filter element depth and pleat density for low pressure drop and extend service life
- Multi-pleat filament separators provide consistent pleat spacing and a rigidised filter element to yield uniform airflow velocity distribution
- In-built separators eliminate “media-to-media” contact that can facilitate particle shedding
- Available in various HEPA filter efficiency grades.

Specifications

Part Number	Nominal size (mm)	Nominal size (ft.)	Actual size (mm)	Inlet collar	Efficiency	Pressure drop / Airflow	Unit weight	Ship weight
2050207D	610 x 610	2' x 2'	602.4 x 602.4	10"	99.99% @0.3	125Pa/ 0.34m/s	9.5 kg	10.9 kg
2050307D	610 x 900	2' x 3'	602.4 x 905	10"	99.99% @0.3	125Pa/ 0.43m/s	15 kg	16.9 kg
2050407D	610 x 1200	2' x 4'	602.4 x 1219	12"	99.99% @0.3	125Pa/ 0.52m/s	15 kg	16.9 kg

*Please note: Information subject to continuous review

The Company

AES Environmental is an Australian owned manufacturing business producing products under Clyde-Apac, Email Air Handling and Vokes brand names for industries that are as varied as industrial plants, commercial buildings, power stations, food processing, healthcare, science and electronics. AES Environmental considers the Australian Standards as a core component of its product mix and has developed an export market in 25 countries, promoting Australian Standards, engineering and manufacturing solutions. AES Environmental, a trusted manufacturer capable of delivering reliable product solutions to highly-critical applications, where the control of hazardous airborne contamination is often critical to process and personnel.

© 2020 AES Environmental | Bulletin No. 300.10.20 AES310 REV0

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

