

FOURPEAK

DEEP BED AIR FILTER

DESCRIPTION

The Fourpeak filter is a high performance deep bed filter available in standard and reverse flow models, providing high capacity with intermediate efficiency. The high performance is obtained through a multi-pyramidal configuration giving a maximum of filtering area without excessive depth in the direction of airflow.

The design of the Fourpeak filter is registered and patents have been granted. The metal frame and all wire media supporting frames are powder coated or galvabond to prevent corrosion and to provide a smooth, snag-free media supporting surface. Several types of alternate media, both gel-coated and dry, are available. The gel-coated media are adhesive impregnated while dry media are operated without adhesives.

All media are of the synthetic type, made from graded fibres and bonded. They are moisture, fire and fungus resistant and will not shed fibres into the clean air stream.

APPLICATIONS

The four-peak dry arrestance air filter is allow cost general purpose filter suited to a wide variety of applications requiring high capacity and intermediate efficiency. It offers better performance than roll type and metal viscous filters and its multi- pyramidal configuration gives a maximum of filtering area without excessive depth in the direction of airflow. It is available in standard or reverse flow models.



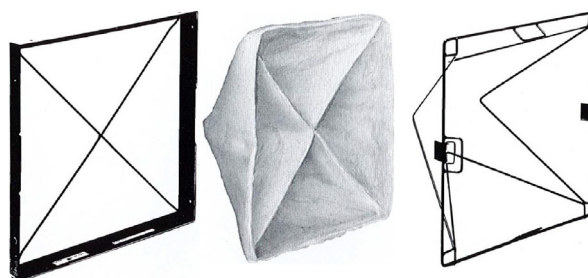
Standard model shown

CONSTRUCTION

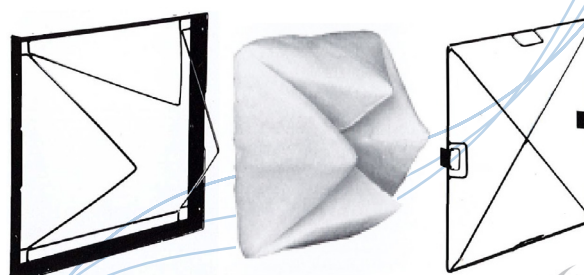
The standard airflow model consists of three basic parts:

1. A mounting frame,
2. A an inner wire basket,
3. A a media kit

STANDARD MODEL



REVERSE AIRFLOW MODEL



STANDARD MODEL

Two diagonal wires welded to the back of the frame rest in the valleys of the formed media basket which is sewn to shape with thread of similar material to the media itself. The inner frame is of fabricated wire construction and incorporates members which fit snugly into the peaks of the media, thereby holding it firmly in shape. The inner frame is of all-wire construction and incorporates handles to facilitate removal. Formed clips affixed to the inner frame snap under the mounting frame to hold the inner frame securely in place.

TEST DATA

DESCRIPTION	FP22/HG	FP22/DGH20	FP22/DG50
Performance Rating	G4	G4	F5
Part No. - Repl. Media	1516-2826/11	1516-2826/10	1516-2826/20
Media Type to AS1324.2.4 and 5	Type 2 Class B	Type 1 Class B	Type 1 Class B
Dimensions* H x W x D (mm)	610x610x380	610x610x380	610x610x380
Weight* (kg)	5.6	5.5	5.5
Media Area (m ²)	0.98	0.98	0.98
Rated Capacity (m ³ /s)	0.944	0.944	0.944
Initial Resistance @ Rated Capacity (Pa)	42	65	126
No.1 Dust Average Efficiency@ Rated Capacity	22%	33%	47%
No.4 Dust Holding Capacity (g)@ Rated Capacity	356	539	437
Recommended Final Resistance @ Rated Capacity (Pa)	150	250	250
Max. Operating Temperature (°C)	120	120	100

REVERSE FLOW MODEL

The reverse airflow model is similar but the diagonal wires which rest in the media valleys are part of the inner frame and the wire members which protrude inside the peaks of the media are incorporated in the mounting frame. Because of the fully sewn nature of the media basket, all sealing between the media and the mounting frame is in one plane normal to the airflow. Sealing is, therefore, simplified and readily checked by visual inspection when the media is installed.

PERFORMANCE TESTING

All filters tested to AS1324.2 Air Filter Performance. Test laboratory is accredited by the National Association of Testing Authorities, Australia. Accreditation number 13213. Performance tests are conducted in accordance with NATA and Australian Standards requirements. To request a current test report contact the sales team at your nearest AES Environmental branch.

INSTALLATION

Fourpeak filters are easily made up into banks using standard 610 x 610 (FP22) and 305 x 610 (FP21) module sizes. To prevent air by-pass, a suitable sealant should be used between mounting frames and duct walls. Where the bank height exceeds 2 metres it is recommended that continuous stiffening bars be installed vertically between alternate rows of frames.





AES Environmental is a family owned, engineering and manufacturing business. The company comprises of major brands situated in the Air Filtration, Pollution Control and Life Sciences markets. Those brands and products are market-leading names within their fields ensuring that AES Environmental is capable of fulfilling its goal of providing the market with a single, integrated source for air filtration, clean room and pollution control needs.

Whatever business area you operate in, effective air filtration and pollution control is vital for your products, processes and people. All our products are manufactured in Australia and along with that, we offer installation and service Australia wide, that you can always rely on.

GET TO KNOW US

AES Environmental consists of an Australian head office and manufacturing location in Sydney, NSW, manufacturing and service operations in Perth, WA, Adelaide, S.A. and service operations in Melbourne, Vic. Internationally the business operates manufacturing facilities in Bangkok, Thailand and Newcastle Upon-Tyne, UK.

However large or small the need, with expertise in just about every area of industrial and process filtration and separation, we're ready to help to deliver the products and 'hands-on' support to help you build a better future.

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

GET IN TOUCH!

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