

PHARMA GRADE PUSH THROUGH HEPA FILTER INSERTS

Asian Filtration Technology

purified performance

The push-through filter is primarily intended for use as a supply or exhaust HEPA filter to contained cells such as glove box's and isolators.

The standard insert comprises a cylindrical filter element, protected by inner and outer steel grids, encapsulated by an open and closed end flange with external sealing rings.

They are replaced by pushing the used insert through its cylindrical housing into the contained cell, for bagging and disposal.

We produce specific designs suitable for either single or two-stage filtration systems.

Materials of Construction:

Filter Media: Non-flammable, water repellent, microfine glass paper with glass thread spacers

Case Flanges: Rigid Polyurethane

Support Grilles: White painted mild steel or stainless steel

Sealing Rings: Mechanically sealed silicone rubber lip-seals 3 mm thick



Standard Range				
Rated duty (l/sec)	Insert length (mm)	Insert diameter (mm)	To suit housing diameter (mm)	Approx weight (kg)
12.5	150	131	135	1
35	300	207	210	3
75	375	247	250	4
160	400	326	330	5

Technical Specification:

Filter grade EU 13 - EU 14 / H13 – H14
Integral efficiency 99.997% - 99.999% BS3928 or 0.3µm DOP aerosol
Initial pressure drop 250 Pascal Dirty pressure drop ≤1000 Pascal
Max working temp 70° C Max working R.H. 90%

Quality Control:

ASIANEX BRAND Air Filtration products are designed, manufactured and tested under strict quality controlled conditions and in accordance with our ISO 9001:2015 accreditation. Each HEPA filter will be individually tested.

Alternative sizes, specifications and materials of construction are available.

Please contact this sales office to discuss your specific requirement and for further information on these products.



An ISO 9001:2015 Certified Company

Plot No. : 183, GIDC Industrial Estate, Ankleshwar – 393 002, District: Bharuch, Gujrat

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COMPACT PUSH PUSH HEPA FILTER RANGE

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AFT MODEL-1

Nominal duty: 35 m³/hr @ an initial Δp of 130 Pascal
Maximum duty: 60 m³/hr @ an initial Δp of 220 Pascal
Nominal size: \varnothing 146mm x 164mm long
Suitable for use in a 150mm bore tube

AFT MODEL-2

Nominal duty: 70 m³/hr @ an initial Δp of 130 Pascal
Maximum duty: 120 m³/hr @ an initial Δp of 220 Pascal
Nominal size: \varnothing 196mm x 240mm long
Suitable for use in a 200mm bore tube

Performance characteristics:

Efficiency: 99.999% integral efficiency against DOP challenge aerosol
99.995% @ MPPS Grade H14 EN1822

Final pressure drop: <600 Pascal

Burst pressure: >2000 Pascal

Maximum Temp: 70°C Maximum RH: 70%

Materials of construction:

Media: Non-flammable, water repellent, microfine glass paper folded over glass thread spacers
End Flanges: Rigid polyurethane
Protective grid: Expanded flattened stainless steel
Handle: Stainless steel
Seal: Silicone rubber

Quality Control:

ASIANEX Air Filtration HEPA filters are manufactured and tested under strict quality controlled conditions in accordance with our ISO 9001-2015 accreditation.

Each Filter is individually factory tested and allocated with a unique serial Number for future traceability.

Alternative sizes, specifications and materials of construction may be available; please contact our Sales office to discuss your specific requirements.



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MINI CARTRIDGE HEPA FILTER

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Mini Cartridge HEPA Filters



ASIANEX manufactures an extensive range of HEPA filter inserts to meet the stringent requirements of the nuclear, pharmaceutical and biotech industries.

The mini cartridge HEPA filter range comprises of both open ended in bleed and in line cylindrical filter units manufactured with either a stainless steel or plastic body.

Typically these filters are used on process applications associated with the controlled ventilation of small enclosures such as glove boxes & isolators; other applications include drum & tank ventilation.

Product Specification:

Nominal size:	92mm Ø x 149mm long
Connection:	1" BSP male x 15, 20 or 35mm long
Construction:	316L Grade Stainless Steel, PVC or Polypropylene (110mm Ø)
Filter medium:	Non-flammable, water repellent, microfine glass paper with glass thread spacers formed into a cylindrical element with polyurethane end caps
Rated duty:	5l/sec at an initial pressure drop of 175/200 Pascal (open ended/in-line)
Filter grade/efficiency:	EU 14 / H14 99.997% against 0.3µm DOP aerosol
Max differential pressure:	675 Pascal
Max working temperature:	60°C Max working humidity 80%

Each Mini Cartridge HEPA filter is supplied with a plastic end caps fitted to both ends of the cartridge; these should be removed before installation and then fitted to the outgoing dirty filter cartridge before it's removal from the contained area.

Quality Control:

ASIANEX BRAND Air Filtration HEPA filters are manufactured and tested under strict quality controlled conditions in accordance with our ISO 9001:2015 accreditation.

Each filter is individually factory tested

Alternative sizes, specifications and materials of construction may be available; please contact our Sales office to discuss your specific requirements.



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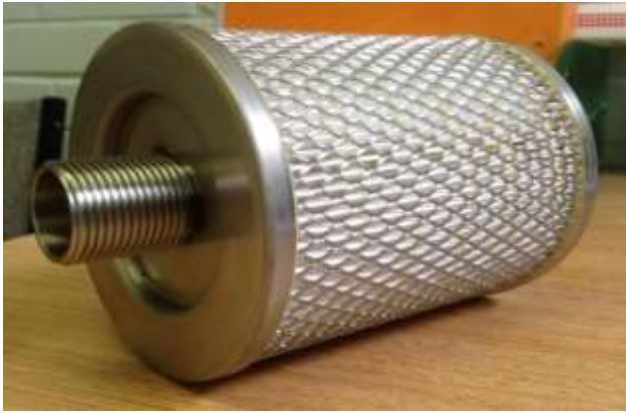
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Pharma Grade Stainless Steel Venting HEPA Filter

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ASIANEX manufactures an extensive range of HEPA filter inserts to meet the stringent requirements of the nuclear, pharmaceutical and biotech industries.

The Pharma Grade Venting HEPA filter can be manufactured in a range of lengths from 50mm to 200mm to suit differing air flow / pressure drop requirements.

Typically these filters are used on process applications associated with the controlled ventilation of small enclosures such as glove boxes & isolators; other applications include drum & tank ventilation.

Product Specification:

Size:	120mm OD x 150mm long		
	Fitted with a 1" BSP male parallel thread x 35mm		
long Endcaps & retaining grids:	304L Grade Stainless Steel		
Filter medium:	Non-flammable, water repellent, micro fine glass paper with glass thread spacers formed into a cylindrical element		
Sealant	Polyurethane		
Filter grade / efficiency:	H14 99.995 @ MPPS (99.999%)		
DOP) Rated duty:	10 l/sec		
Clean pressure drop	220 Pascal	Max dirty pressure drop:	600
Pascal Max working temperature:	60°C		Max
working humidity	80%		

Quality Control:

ASIANEX HEPA filters are manufactured and tested under strict quality controlled conditions in accordance with our BS EN ISO 9001:2008 accreditation.

Each filter is individually factory tested

Alternative sizes, specifications and materials of construction may be available; please contact our Sales office to discuss your specific requirements.



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Screw mount glove box HEPA filters

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ASIANEX manufactures an extensive range of circular HEPA filter inserts for a wide range of industrial and process applications.

The 3&6l/sec glove box HEPA filter has been designed as an easy to use and cost Effective solution for the supply & extract ventilation of glove boxes, isolators, enclosures, tanks and vessels.

ASIANEX will manufacture and works test this filter to suit either commercial or radiological applications. The nuclear grade product conforms to Atomic Energy Standard Specification AESS44/13075.

Materials of Construction:

End Caps:	Rigid Polyurethane with nylon insert
Media:	Non-flammable, water repellent microfine glass paper formed into a close pleat annulus with bonded glass thread spacers.
Support:	Galvanised, powder coated or stainless steel expanded steel grid to both faces
Seal:	Nitrile 'O' ring

Specification:

Size:	130mm Ø x 75mm high (3l/sec) or 150mm high (6 l/sec)
Connection:	1" BSP female thread
Minimum efficiency:	99.99% in accordance with BS3928.
Clean pressure drop:	90 Pascal
Max dirty pressure drop:	1000 Pascal Max
working temp:	70° C

Filter is designed to be screwed onto a 1" BSP male threaded spigot with a sealing face diameter of between 35 & 55mm.

Quality Control:

ASIANEX HEPA filters are manufactured and tested under strict quality controlled conditions in accordance with our ISO 9001:2015 accreditation.

Each filter is individually factory tested

Alternative sizes, specifications and materials of construction may be available; please contact our Sales office to discuss your specific requirements.



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Instrument line HEPA filters

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ASIANEX manufactures an extensive range of HEPA filter inserts, filter housings and mobile filtration units to meet the stringent requirements of the nuclear, pharmaceutical and biotech industries.

The Instrument line HEPA filter has been specifically developed to provide a quantified level of protection to pressure monitoring equipment fitted to potentially hazardous ventilation and process systems within these facilities.

Instrument line HEPA filters have been designed to ensure that equipment can be safely maintained, serviced and calibrated without risk of particulate contamination to the internal working parts of the instrument and that equipment failure will not result in un-filtered air entering or leaving the ventilation or process system.

Product Specification:

Dimensions:	25mm Ø x 35mm long with 1/8" BSP female connections 25mm Ø x 40mm long with 1/4" BSP female connections
Construction:	316L Grade Stainless Steel
Filter medium:	Nuclear Grade HEPA Filter Paper
Rated duty:	1 l/min at an initial pressure drop of 200 Pascal
Filter efficiency:	99.999% against 0.3µm DOP aerosol
Max differential pressure:	6KPa
Max working temperature:	200°C

Quality Control:

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Each filter is individually factory tested

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Pharma Grade Radial Flow Plug-In HEPA Inserts

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Pharma Grade Radial Flow Plug-In HEPA Inserts



ASIANEX manufactures an extensive range of HEPA filter inserts to meet the stringent requirements of the nuclear, pharmaceutical and biotech industries.

We manufacture **Pharma grade plug-in HEPA inserts in a range of standard sizes and from various material combinations.**

Standard range: 75, 160, 280, 470 & 950 l/sec

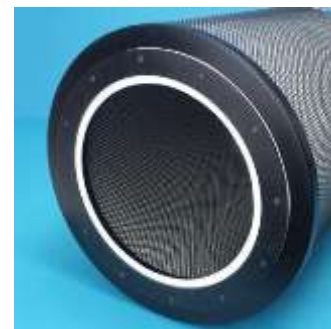


Materials of Construction:

- End caps & seal rings: Vacuum formed polypropylene with nylon inserts, pressed carbon steel with a high temperature corrosion resistant paint finish or stainless steel
- Retaining grids: Perforated polypropylene, expanded steel with a high temperature corrosion resistant paint finish or stainless steel.
- Filter medium: Non-flammable, water repellent, microfine glass paper formed into a loose pleat annulus with bonded glass thread spacers to provide positive pleat separation.
- Bond: Media pack and protective grids are sealed to the end caps with polyurethane or high temperature cement.
- Gasket: Internal mechanically sealed silicone rubber lip seal 3mm thick.

Performance @ rated duty.

- Minimum integral efficiency 99.997% in accordance with BS3928
- Clean pressure drop 280 Pascal when vented to atmosphere
Maximum dirty pressure drop ≤ 1000 Pascal
- Burst pressure ≥ 3000 Pascal



Quality Control:

ASIANEX HEPA filters are manufactured and tested under strict quality controlled conditions in accordance with our ISO 9001:2015 accreditation.

Each filter is individually factory tested

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CYLINDRICAL HEPA FILTERS- PHARMA APPLICATION

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Size: 224mm OD x 169mm ID x 180mm long- **CUSTOM SIZES AVAILABLE**
Connection: 6 off M5 nut certs equi-spaced on 197 PCD
Weight: 1.37Kg

Performance:

Efficiency: 99.997% integral efficiency against 0.3 μ m DOP aerosol challenge
Capacity: 130m³/hr
Initial Pressure Drop: 250 Pascal
Final Pressure Drop: 675 Pascal
Maximum Temp: 70°C
Maximum RH: 80%

Materials of construction:

EndCaps: Rigid Black Polyurethane
Protective Grids: White powder coated steel
Filter Medium: Non-flammable, water repellent, micro fine glass
paper Gasket: 10x5mm neoprene seal

Quality Control:

ASIANEX HEPA filters are manufactured and tested under strict quality controlled conditions in accordance with ISO 9001-2015 accreditation.

Each Filter is individually factory tested.

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