

AIR FILTRATION MEDIA

PANEL PREFILTERS

EXTENDED SURFACE BAG FILTERS

MEDIUM EFFICIENCY RIGID FILTERS

GASEOUS FILTRATION FILTERS

METAL AIR GREASE FILTERS

HOLDING FRAMES & CLIPS

FILTER ACCESSORIES

HEPA FILTERS

HEPA HOUSINGS & FRAMES

AIREPURE

Quality Air Filtration Products

MEDIA

General bulk air filtration media and pads.
Available as standard sized rolls or custom sized pads.



G3 Rated Media

Low grade quality media, suitable for use in general air-conditioning and ventilation, as pre-filtration for high grade filters, and onsite temporary media.

G4 Rated Media

Medium grade quality media, designed for use in air conditioning and ventilation applications, for use in extended area filters and is suitable for residential, commercial or industrial areas.

F5 Rated Media

Superior quality media, designed for the removal of sub-micron particles and to provide long service life in extended area filter configurations. It is suitable for some laboratories as well as residential and commercial buildings.

Sperifelt Downdraft Spray Booth Media

F5 Rating.

Ceiling diffusion media for paint spray booths. Media fibres are impregnated with tackifier, and polyester netting on the air leaving side to obtain optimum efficiency.

PREFILTERS

Fixed panel, dry arrestance type filter that prevents dust and particulates from entering an enclosed space. Suited to non-critical applications such as small air conditioning and ventilation systems or as a pre-filter to extend the life of a secondary filter.
Available in standard and non-standard sizes.



Washable / Disposable Panel Filters

G3, G4 Rating.

Easily made-up in banks or with the F type holding frame.

8-10mm WD Panel Filter has an all aluminium frame with the filter medium being held in place with a plastic spline that is imbedded into a slot in the frame.

20-25mm WD Panel Filter has a rugged galvanised steel frame that encloses the filter medium between two pieces of galvanised mesh. The corners are mitred and the frame is secured with pop rivets. An aluminium framed version is also offered.



Washable / Disposable SP Gate Filters

G4 Rating.

May be assembled in a filter bank with pop-rivets or by using nuts and bolts.

Designed for retaining air filter media pads in applications that require additional media support and offer quick, easy and economical replacement of the filter media pad when required. Fabricated from galvanised steel frame channel with each corner mitred for squareness and is available in 20mm, 25mm or 50mm deep configurations.

PREFILTERS

Fixed panel, dry pleated panel filter with metal frame that prevents dust and particulates from entering an enclosed space. Suited to non-critical applications such as small air conditioning and ventilation systems incl. packaged air conditioners for office and computer room applications or as a pre-filter to extend the life of a secondary filter.
Nominal 50mm or 100mm thickness. Washable or disposable.
Available in standard and non-standard sizes.



V-Form Extended Surface Panel Filters

G4 Rating.

Can be installed in universal holding frames, side access applications or similar existing hardware. Available with either 13mm galvanised mesh each side of the filter medium or steel cage supports. Corners are mitred and the frame is secured with pop rivets.



Pure-V Extended Surface Panel Filters

G4 rating (EN779:2002).

Filter is 100% hot-melt sealed into the outer frame for superior quality filter efficiency, eliminating air and contaminant bypass. Solid aluminium frame and rigid self-supporting V-form media for extraordinary durability and strength, holding its shape without the need of a metal cage or wire support. Consistent pleat arrangement for increased filter efficiency, resistance, durability and strength. 40% more pleats per filter compared to "other" standard panel filters for greater surface area over pressure drop, greater dust / contaminant holding capacity and longer filter life.

PREFILTERS

Pleated panel filter that prevents dust and particulates from entering an enclosed space. Compact and economical, offering low operating cost with high efficiency and dust holding in small air conditioning and ventilation applications. Suitable for variable air volume systems. Operating face velocity ranges are from 0 to 2.54 m/sec face velocity. Suited to most non-critical applications such as heating, air-conditioning or ventilation systems or as a pre-filter to extend the life of a secondary filter. Disposable.

AirePleat High Capacity Pleated Panel Filters

G4, F5, F6 Rating.

High capacity, cardboard-framed, pleated panel filter.

100% synthetic Kimberly-Clark INTREPID® 355H Pleat Filtration Media will not absorb moisture or support microbial growth. Media has lower initial pressure drop compared to cotton-polyester media for increased energy savings during use. Media maximising V-Pleat design for high efficiency and dust-holding capacity. Expanded metal grid prevents noisy media flutter while in operation. Diagonal and horizontal frame support.

Moisture resistant beverage cardboard frame. Nominal 25mm, 50mm, 100mm depths. Can easily upgrade existing flat panel or V-Form filters currently being used with little or in some circumstances less static pressure.



Service Pleat Filter Inserts

G4, F5 Rating.

Replaceable pleated filter inserts with a metal backing designed to fit reusable universal "U" channel holding frames. Expanded metal grid prevents media flutter while in operation. Nominal 50mm or 100mm thickness.

Available in standard sizes and continuous 200 element pleats.

Deep bed dry media filter offers high efficiency and exceptional dust holding capacity for a long duty cycle. Suited to non-critical applications such as general purpose filtration applications in industrial and commercial applications, or as a pre-filter to extend the life of a secondary filter. Filter media manufactured from bonded synthetic fibres. Media is moisture and fungus resistant and will not shed fibres into the clean air stream.

EXTENDED SURFACE BAG FILTERS

DuoPak Deep Bed Air Filters

F5 Rating.

Standard mounting frames consist of an outer frame and incorporates an integral "V" clip to retain the filter. Easily changed out of frame.

FourPak Deep Bed Air Filters

G4, F5, F7 Rating.

F7 media has an additional filter section added which is constructed of electrostatically charged polypropylene media. Standard mounting frames consist of an outer frame and inner basket. Easily changed out of basket. Available as full size or half size.

AireCube / AireCone Generic Deep Bed Air Filters

F5, F7 Rating.

F7 media has an additional filter section added which is constructed of electrostatically charged polypropylene media. Standard mounting frames consist of an outer frame and inner basket. Easily changed out of basket. Available as full size or half size.

MultiPak Deep Bed Air Filters

F5, F7 Rating.

F7 media has an additional filter section added which is constructed of electrostatically charged polypropylene media. Standard mounting frames consist of an outer frame and inner basket. Easily changed out of basket. Available as full size or half size. Economical version consists of a galvanised outer frame and MultiPak bag with wire arrangement.

AirePak Extended Surface Multi Pocket Filters

F5, F6, F7, F8, F9 Rating.

Compact and economical extended surface multi-pocketed filter offers high efficiency at a minimal resistance to airflow, with effective removal of submicron particles. Suited for use in commercial or industrial HVAC systems where medium to high efficiency is required.

Can withstand rigours of turbulent airflow and remove contaminants such as smoke, bacteria, fumes, fungi and virus-bearing droplet nuclei. Constructed from an exclusive blend of electrostatically enhanced synthetic microfibres, are moisture resistant and will not support microbial growth. Sonically sealed pockets provide max. strength and a leak free seal. Aerodynamic channels inside pockets ensure proper inflation of pockets to maximise media. Can be installed in "F" series holding frames, side access applications and similar existing hardware. Available in standard sizes and pocket configurations.



MEDIUM EFFICIENCY RIGID FILTERS

Extended surface separator type rigid filters suited for use in commercial or industrial HVAC systems where medium to high efficiency is required. Can withstand rigours of turbulent airflow and remove contaminants such as smoke, bacteria, fumes, fungi and virus-bearing droplet nuclei.



PureCell Extended Surface Separator Type Rigid Filters

F6, F8 Rating.

Constructed from micro-fine fibreglass pleated paper media that is moisture resistant and will not support microbial growth. Designed to suit variable air volume systems, corrugated aluminium separators stabilise the moisture resistant media and prevent damage in applications downstream of the supply fan.

Available in two header styles; the single header or double header.

Models for gas turbine or high temperature applications are available.



PureCell II Extended Surface Mini-Pleat Rigid Filters

F6, F7, F8 Rating.

Constructed from double-wall beverage board frames and water-laid micro-fine fibreglass media that is water-repellent, moisture resistant and will not support microbial growth.

Designed to suit variable air volume systems or turbulent flow conditions

Slim-line, 100mm depth and lightweight cartridge design is flexible for any installation and easy to store and handle. Available as full size or half size



PurePak Extended Surface Synthetic Media Rigid Filters

F6, F7, F8 Rating.

Constructed from an exclusive blend of electrostatically enhanced synthetic microfibres that are moisture resistant and will not support microbial growth.

Designed to suit variable air volume systems.

Synthetic media is held in position by upstream and downstream pleat supports.

Rugged, corrosion-resistant steel casing minimises damage during shipping and handling.

Available in standard box frame or single header models.



AireFlow-V Extended Surface Mini-Pleat Filters

F6, F7, F8, F9, 95% DOP H10 efficiency (MERV 11-16 rating as per ASHRAE 52.2)

Filter manufactured from moisture resistant micro glass fibre media.

Highly resistant to moisture in high humidity environments and operates in 100% relative humidity. Mini-pleat media packs assembled into a series of V-banks and bonded to an ABS frame casing. Corrosion and moisture resistant, high dust holding capacity, 18m² of effective media area. Extremely low initial pressure drop.



AP Sea Salt Particle Arrestance Filters

Reduces over 90% of sea salt particles. Sea salt particle arrestance filter designed to increase the life of equipment by reducing the effects of corrosion due to salt. Used in make-up and return AHU applications in facilities located near oceans and in food processing applications. Sturdy, polypropylene separator design. Plywood frame. Glass fibre media. 100% maximum peak relative humidity at 0 Condensation. 60° Celsius maximum continuous operation temperature.

GASEOUS FILTRATION

Removes a large array of VOC's (Volatile Organic Compounds) and odours and vapours. Suitable for commercial or industrial applications with odour and vapour problems.



AirePleat AC Activated Carbon Filter

Cardboard framed activated carbon pleated panel filter that prevents dust and particulates from entering an enclosed space and removes odours and vapours.

Suitable for commercial or industrial applications with minor odour and vapour problems.

Expanded metal grid prevents noisy media flutter while in operation.

Beverage cardboard frame. Moisture resistant and disposable.

Available in standard and non-standard cut down sizes.



Bonded Activated Carbon Panel Filters

Disposable bonded activated carbon panel filter assembled with galvanised steel frames.

Removes a large array of VOC's (Volatile Organic Compounds) and odours and vapours. Common applications include HVAC systems, odour control, corrosion control, diesel fumes, manufacturing processes, chemical processing, pulp and paper manufacture.

Disposable panels designed to be used in existing housings.

Economical, easy to remove and replace.

No opportunity for media settling and channelling which can lead to VOC and odour bypass.

Metal washable air grease filters.
Frames include drain holes. Available in standard sizes

METAL FILTERS

Honeycomb Grease Filters for Cooking Exhaust Systems

Lightweight, washable, acid resistant aluminium panel filter designed for use in cooking exhaust systems.



Mist Eliminator Moisture / Oil Separator

Lightweight, metal mesh filter highly effective in significantly reducing oil mist, water mist, fog or droplets from outside air or recirculated air.



Airepure F Series Holding Frames are used to hold HVAC filters individually or to construct filter bank arrangements for upstream or downstream access.

HOLDING FRAMES

F Series Holding Frames for HVAC Air Filters

Standard frames are constructed from 16 gauge galvanised steel and may be assembled with pop rivets or by using nuts and bolts.

Standard frame sizes are available in 75mm, 125mm or 175mm depths.

Stainless steel and powder coated frames are available options and special sizes are available on request.

May be used with WD Panel Filters, SP Gate Filters, V-Form Panel Filters, Pure-V Panel Filters, AirePleat Panel Filters, AirePak Multi-Pocket Filters, PurePak Synthetic Media Rigid Filters, PureCell Separator Type Rigid Filters, PureCell II Mini-Pleat Rigid Filters, Honeycomb metal washable filters, and AirePleat- AC Activated Carbon Pleated Filters.



A variety of filter clips are available for use with the F Series Frames

FILTER CLIPS

P Clips and Corner Clips

Filter clips are selected for use with holding frames to meet the requirements of the specified filters. Clips do not require the use of specialised tools to secure the filters.

P Clips are made from 0.105mm diameter, galvanized hard drawn MB basic wire and attached to an integral stainless steel bracket.

Corner Clips are made from 0.080mm diameter - type 302 stainless steel spring wire.



A range of filter accessories are available.

ACCESSORIES

Magnehelic Gauges

Magnehelic Gauges monitor filter pressure drops in a range of applications.

The Magnehelic® is the industry standard to measure fan and blower pressures, filter resistance, air velocity, furnace draft, pressure drop across orifice plates, liquid levels with bubbler systems and pressures in fluid amplifier or fluidic systems. It also checks gas-air ratio controls and automatic valves, and monitors blood and respiratory pressures in medical care equipment.



**95% DOP &
>99.97%
HEPA FILTERS**

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. Moisture resistant micro glass fibre media, which is highly resistant to moisture in high humidity environments. Individually tested and certified to meet the customer's requirements for resistance and efficiency. Standard and non-standard sizes. Typical applications include, medical facilities, universities, pharmaceutical manufacturing, research facilities, food and dairy processing facilities and in any application where ultra-clean air is a requirement.



AireCell 95 95% DOP Standard Capacity Filters

95% DOP (min 95%@0.30µm)

Designed to provide a higher efficiency than standard "F" rated particulate filters where HEPA filtration is not a requirement.

Box style design.



AirePanel Mini-Pleat Standard & Gel Seal HEPA/ULPA Filters

99.99%@0.30µm efficiency

99.9995%@0.12µm efficiency

Designed to meet the needs of critical applications where human life is often at risk and HEPA filtration is required. Upstream & downstream faceguard screens.

Fluid seal limits the possibility of air bypass. Final Filter Integrity test carried out by a NATA registered laboratory.



AireCell Standard Capacity Gasket & Fluid Seal HEPA / ULPA Filters

99.99%@0.30µm efficiency

99.9995%@0.12µm efficiency

Designed to meet the needs of critical applications where human life is often at risk and HEPA filtration is required. Upstream & downstream faceguard screens

Gasket or fluid seal limits the possibility of air bypass. Final Filter Integrity test carried out by a NATA registered laboratory.



AireCell HC High Capacity Gasket Seal HEPA / ULPA Filters

99.99%@0.30µm efficiency

99.9995%@0.12µm efficiency

Designed to meet the needs of critical applications where human life is often at risk and HEPA filtration is required. Optimum performance with lower operating cost.

Upstream & downstream faceguard screens. Gasket seal limits the possibility of air bypass. Final Filter Integrity test carried out by a NATA registered laboratory.



AireCell HT High Temperature HEPA / ULPA Filters

99.99%@0.30µm efficiency

99.9995%@0.12µm efficiency

Designed to meet the needs of critical applications where human life is often at risk and HEPA filtration is required. Designed to operate at temperatures up to 260°C, glass fibre HEPA media, high temperature silicone sealant rated for continuous service up to 260°C

Final Filter Integrity test carried out by a NATA registered laboratory.



AireFlow HC High Velocity HEPA / ULPA Filters

99.99%@0.30µm efficiency

99.9995%@0.12µm efficiency

Designed to meet the needs of critical applications where human life is often at risk and HEPA filtration is required. Designed for high airflow applications requiring HEPA efficiency at a low initial pressure drop. Glass fibre HEPA media, high temperature, silicone moisture resistant, micro glass fibre media, which is highly resistant to moisture in high humidity environments. Final Filter Integrity test carried out by a NATA registered laboratory.

CS HEPA Gel Sealed Ducted Terminal HEPA-ULPA Module

CS (Channel Seal) terminal ceiling HEPA filter module for pharmaceutical and biotechnology facilities, or for any other facility requiring clean-room level air filtration. Designed so that HEPA filters can be replaced and tested without disturbing the module housing. Gel-seal design offers superior protection against bypass leakage. 40mm "Turned-up" edge provides superior sealing against varying ceiling types. Includes a static pressure port for evaluating HEPA filter pressure drop, or sampling of the upstream aerosol concentration during filter scan testing. Optional swirl diffuser and/or butterfly damper.



CST HEPA Room-side Replaceable HEPA-ULPA Module

CST (Ceiling Suspension Type) room-side replaceable terminal HEPA filter hood module is ideal for pharmaceutical and biotech cleanrooms, or wherever hoods are regularly validated for performance and leak-free operation. May be installed in a variety of ceiling types, including tee-bar ceilings and plaster ceilings. Allows access to the filters from room-side, without disturbance to the installed housing. Bottom-loading filters along with the unique tool-less installation procedure make filter change-out quick and easy. Gel-seal design offers superior protection against bypass leakage. HEPA and ULPA Filter media are manufactured from moisture resistant non-woven glass micro fibres.



GSM HEPA Gasket Seal Ducted Terminal HEPA-ULPA Module

GSM (Gasket Seal Module) terminal ceiling HEPA filter module for pharmaceutical and biotechnology facilities, or for any other facility requiring clean-room level air filtration. Designed so that HEPA filters can be replaced and tested without disturbing the module housing. Gasket-seal design offers superior protection against bypass leakage. 40mm "Turned-up" edge provides superior sealing against varying ceiling types. Includes a static pressure port for evaluating HEPA filter pressure drop, or sampling of the upstream aerosol concentration during filter scan testing.



TST HEPA Disposable HEPA-ULPA Module

TST (T-Bar Suspension Type) disposable ducted HEPA/ULPA module with mini pleat filter pack is a terminal filter hood for pharmaceutical and biotech cleanrooms, or wherever hoods are regularly validated for performance and leak-free operation. Typically installed into tee-bar ceilings. Operate at velocities of 0.51m/sec, ideal for laminar or non-laminar flow applications in gasketed tee-bar systems. HEPA and ULPA Filter media are manufactured from moisture resistant, non-woven, glass micro-fibres. Fully disposable. Available in standard and non-standard sizes.



AC1 HEPA Holding Frame

Used to hold AireCell 95, AireFlow-HC and AireCell series of HEPA filters that are fitted with gasket seals. Designed for permanently installing HEPA filters in the field and can be used to hold filters individually, or used in multiple filter bank arrangements. Typical applications include, medical facilities, universities, pharmaceutical manufacturing, research facilities, food and dairy processing facilities and in any application where a permanent HEPA holding frame is required. Constructed of fully welded 2mm galvabond steel. Factory-drilled alignment holes on each side facilitate positioning of the frames for installation into multiple banks. Stainless steel removable locking arms and screw assemblies (4 off) are supplied with each frame. Once installed these are easily adjusted to hold the filter in place and provide the necessary pressure to eliminate any leaks or bypass associated with the gasket-frame interface. Can be installed in either the air entering (upstream) side or the air leaving (downstream) side.



