



AP FILTERATIONS



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Breathe Clean, Live Fresh
Pure Air, Perfected by Our Filters.

ABOUT US

At A.P FILTRATIONS, we specialize in the manufacturing of cutting-edge air filtration solutions. With a commitment to quality, innovation, and sustainability, we strive to deliver products that enhance indoor air quality while meeting the diverse needs of our customers.

Backed by years of experience and a dedicated team of experts, we engineer and produce a wide range of air filters for commercial and industrial applications. Our state-of-the-art facilities and rigorous quality control ensure that every product that bears our name meets the highest standards of performance and reliability.

From standard HVAC filters to specialized solutions for healthcare, manufacturing, and beyond, A.P FILTRATION is your trusted partner for clean air excellence. Join us in our mission to create healthier environments for all.

3-Stage Filtration System

FINAL FILTRATION

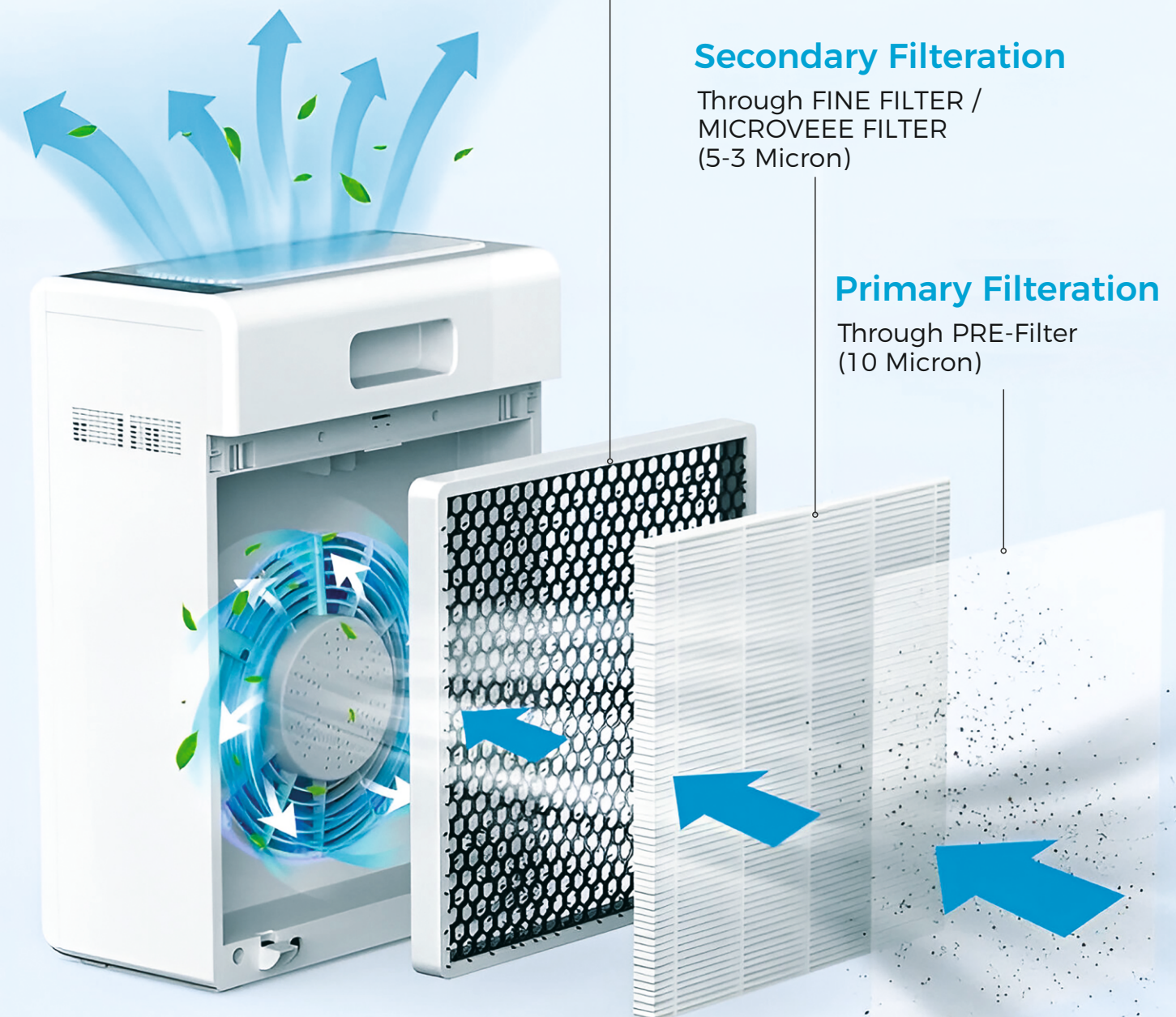
Through HEPA FILTER
(0.3 Micron)

Secondary Filtration

Through FINE FILTER /
MICROVEEE FILTER
(5-3 Micron)

Primary Filtration

Through PRE-Filter
(10 Micron)



FILTER STANDARD CHART

Type	Filter Class	EU Classification	MERV	Average Arrestance AS13242 Dust No.4 Eurovent 4/5 EN779 Gravimetric	*Average Efficiency AS13242 Dust No.1ASH RAE 52 Eurovent 4/5 EN 779 Atmospheric	Average Efficiency .3 Micron	Efficiency
Filters Coarse Dust	G1	EU 1	MERV-1-4	A<65	N/A	N/A	Rod Filters
	G2	EU 2		65 < A <80	N/A	N/A	85% to 20 Micron
	G3	EU 3	MERV-5-6	80 < A < 90	N/A	N/A	90% down to 20 Micron
	G4	EU 4	MERV-7-8	90 < A			90% down to 10 Micron
Filters for Fine Dust	F5	EU 5	MERV-9-10	N/A	40 < E < 60	N/A	95% down to 5 Micron
	F6	EU 6	MERV 11-12	N/A	60 < E < 80	N/A	99.9% down to 5 Micron
	F7	EU 7	MERV-13	N/A	80 < E < 90	N/A	99% down to 3 Micron
	F8	EU 8	MERV-14	N/A	90 < E < 95	N/A	99.9% down to 3 Micron
	F9	EU 9	MERV-15	N/A	95 < E	N/A	50% down to .3 Micron
Filters for Microparticles	H10	EU 10	MERV-16	N/A	N/A	85%	85% down to .3 Micron
	H11	EU 11	MERV-17	N/A	N/A	95%	95% down to .3 Micron
HEPA Filters		EU 12	MERV-18	N/A	N/A	99.50%	99.5% down to .3 Micron
		EU 13	MERV-19	N/A	N/A	99.95%	99.97% down to .3 Micron
		EU 14	MERV-20	N/A	N/A	99.995%	99.99% down to .3 Micron
ULPA Filters	H15	U 15	N/A	N/A	N/A	99.9995%	99.999% down to .3 Micron
	H16	U 16	N/A	N/A	N/A	99.99995%	N/A
	H17	U 17	N/A	N/A	N/A	99.999995%	N/A

There are four classifications of filters under the new ISO Standard

Classification	Efficiency	Description
ePM _{COARSE}	Less than 50% efficiency on particles 10 maicron and larger	Dust, sand, leaves, hair, and other large organic particles.
ePM ₁₀	Minimum 50% efficiency on particles 0.3 micron to 10 micron in size	Particles caused by crushing or grinding operations and dust stirred up by vehicles on roads. Dust, sand, leaves, hairs, and other large organic particles.
ePM _{2.5}	Minimum 50% efficiency on particles 0.3 micron to 2.5 micron in size	Particles that are produced from all types of combustion, including motor vehicles, power plants, residential wood burning, forest fires, agricultural burning, and some industrial processes. Bigger spores and other organic particles.
ePM ₁	Minimum 50% efficiency on particles 0.3 micron to 1 micron in size	Particles that enter our bodies through the respiratory system—we inhale them—and a significant part travels deep into our lungs and continues out into the bloodstream. Very fine dust, combustion particles, nano particles, bacteria, viruses, and smaller spores.

APF'S Pre Filter 10 Micron

FILTER CLASSES AS PER ISO-16890			
FILTER CLASS	ePM 1	ePM 2.5	ePM 10
ISO COARSE/G-4			< 50%

FILTER CLASS	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
G-4	Aluminum Extrusion/GI	MERV-8	EU-4	25	3 MM	BS EN:779
		MERV-8	EU-4	50	3 MM	BS EN:779

Filter Class: EU-4

APF Pre Filters are manufactured in accordance with BS EN 779 and are used to remove solid particles of diameter ≥ 10 Micron from the air stream entering the ventilation system.

Media: 100% washable synthetic non-woven synthetic media supported by Aluminum. Mesh on one side & finished with HDPE mesh on the other side.

Features:

- Tested according to EN:779.
- Lightweight & robust construction.
- Available in a wide variety of sizes.
- Low pressure drop.
- 100% washable.
- Long service life.

Applications:

- Pre-filtration for air conditioning & Air Handling Units.
- General Air Filtration & Pre Filtration for various equipment.
- For maintaining indoor air quality.

TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 25mm	1000	90% @ 10 Micron	40	150	500	70
610 X 305 X 25mm	500	90% @ 10 Micron	40	150	500	70
305 X 305 X 25mm	250	90% @ 10 Micron	40	150	500	70
610 X 610 X 50mm	2000	90% @ 10 Micron	40	150	500	70
610 X 305 X 50mm	1000	90% @ 10 Micron	40	150	500	70
305 X 305 X 50mm	500	90% @ 10 Micron	40	150	500	70

*Also Available in High Temperature. *Special dimensions can be customized.



APF'S

Fine Filter 3 Micron



FILTER CLASSES AS PER ISO-16890			
FILTER CLASS	ePM 1	ePM 2.5	ePM 10
F7	20-75%	>70%	>80%

FILTER CLASS	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
G-4	Aluminum /Cl	MERV-13	EU-7	150	3 MM	BS EN:779
		MERV-13	EU-7	300	3 MM	BS EN:779

Filter Class: EU-7

APF Filters are manufactured in accordance with BS EN 779 and are used to remove solid particles such as dust, pollen, mold & bacteria from the air.

Media: 100% washable synthetic non-woven media supported by Aluminum mesh on one side & HDPE mesh on the other side.

Features:

- Tested according to EN:779
- High Dust Holding Capacity
- Long Service Life.100% water washable

Applications:

- General filtration for air conditioning & Air Handling Units.
- In commercial & industrial applications.
- Spray Booths.

TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 300mm	2000	99% @ 3 Micron	80-90	200-220	500	70
610 X 305 X 300mm	1000	99% @ 3 Micron	80-90	200-220	500	70
305 X 305 X 300mm	500	99% @ 3 Micron	80-90	200-220	500	70
610 X 610 X 150mm	1000	99% @ 3 Micron	80-90	200-220	500	70
610 X 305 X 150mm	500	99% @ 3 Micron	80-90	200-220	500	70
305 X 305 X 150mm	250	99% @ 3 Micron	80-90	200-220	500	70

*Also Available in High Temperature. *Special dimensions can be customized.

APF'S

HEPA Filter 0.3 Micron



FILTER CLASS	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
H-13/ H-14	Aluminum Anodised	MERV-19	EU-13/ EU-14	150	5 MM	BS EN:1822
		MERV-19	EU-13/ EU-14	300	5 MM	BS EN:1822

Filter Class: H-13

APF's high-efficiency particulate air (HEPA) filters are manufactured as per the standards of efficiency, such as those set by the United States Department of Energy (DOE) & are in accordance with the European Standards EN:1822.

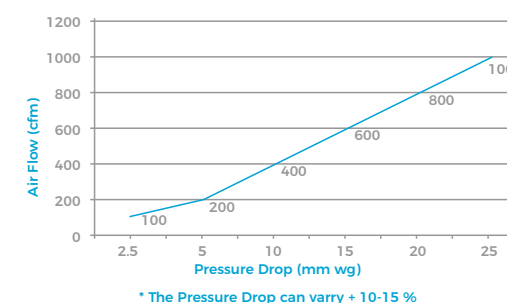
High air purity is the essential requirement for sensitive controlled technical processes. Clean rooms are used as they ensure a low-particle or, when necessary, a low-germ environment. HEPA filters are used to achieve the required filtration class as set by WHO & GMP.

Features:

- Tested According to EN: 1822
- High Filter Efficiency
- High Dust Holding Capacity
- Long Service Life
- Large Surface for Filtration.

Applications:

- In sophisticated industrial processes (Pharmaceuticals, Biotechnology, Chemical, Optics, Food, Microelectronics, etc.)
- In clean rooms for achieving the desired class
- In laminar air flow for bacteria-free air circulating system
- In hospitals, pharmaceuticals, labs, research centers, etc.



Airflow & Pressure Drop of HEPA (Flanged)	
Filter Size 610*610*300mm	
Air Flow (CMH)	Pressure Drop (mm wg)
100	2.5
200	5
400	10
600	15
800	20
1000	25

HEPA FILTERS TECHNICAL PARAMETERS

Filter Size	CFM	Efficiency	IPD	Recommended FPD	Max. Pressure	Temperature Resistance
		%	Pa	Pa	Pa	°C
610 X 610 X 300mm	1000	99.97% @ 0.3 Micron	250	600	1000	70
610 X 305 X 300mm	500	99.97% @ 0.3 Micron	250	600	1000	70
305 X 305 X 300mm	250	99.97% @ 0.3 Micron	250	600	1000	70
610 X 610 X 150mm	500	99.97% @ 0.3 Micron	250	600	1000	70
610 X 305 X 150mm	250	99.97% @ 0.3 Micron	250	600	1000	70
305 X 305 X 150mm	125	99.97% @ 0.3 Micron	250	600	1000	70

*Also Available in High Temperature. *Special dimensions can be customized.

APF'S Mini Pleat HEPA Filter 0.3 Micron



FILTER CLASS	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
H-13/ H-14	Aluminum Extrusion	MERV-19	EU-13 / EU-14	75	5 MM	BS EN:1822
		MERV-19	EU-13 / EU-14	110	5 MM	BS EN:1822

Filter Class: EU-14

APF's Mini pleat filters are made by very fine high-efficiency micro glass fiber paper media interspaced with hot melt pleating & enclosed in Al. Extruded sections. The mini pleat technique applied ensures uniform flow.

Applications:

- In sophisticated industrial processes (Pharmaceuticals, Biotechnology, Chemical, Optics, Food, Microelectronics, etc.)
- In clean rooms for achieving the desired class
- In laminar air flow for bacteria-free air circulating system
- In hospitals, pharmaceuticals, labs, research centers, etc.

Features:

- Tested According to EN: 1822
- High Filter Efficiency
- High Dust Holding Capacity
- Long Service Life
- Large Surface for Filtration

APF'S Mini Pleat Gel Seal HEPA Filter 0.3 Micron

FILTER CLASS	MOC	MERV Rating	Filter Eurovent Class	Frame Depth	Gasket Thickness	Testing Standard
H-13/ H-14	Aluminum Extrusion	MERV-19	EU-13 / EU-14	75	5 MM	BS EN:1822
		MERV-19	EU-13 / EU-14	110	5 MM	BS EN:1822

Filter Class: H-13 / H-14

APF's Mini pleat Gel Seal filters are an advanced version of conventional Mini pleat filters in which the gasket is replaced by silica gel, which ensures 0% leakage from the sides/flanges. Made by very fine high-efficiency micro glass fiber paper media interspaced with hot melt pleating & enclosed in Al. Extruded sections.

Features:

- Tested According to EN: 1822
- High Filter Efficiency
- High Dust Holding Capacity
- Long Service Life
- Large Surface for Filtration
- 0% chances of air leakage

Applications:

- In sophisticated industrial processes (Pharmaceuticals, Biotechnology, Chemical, Optics, Food, Microelectronics, etc.)
- In clean rooms for achieving the desired class
- In laminar air flow for bacteria-free air circulating system
- In hospitals, pharmaceuticals, labs, research centers, etc.



APF'S Filters Housing with Grill



Housing Filters

APF's HEPA Terminal Boxes are manufactured using fine metals as per the set standards of the industry. Terminal Boxes are available in various materials like MS Powder Coated, GI Powder Coated, SS-304 Buffed Sheet, or Aluminium Powder Coated. The terminal boxes are designed for both false ceiling & slab mounting arrangements. Terminal boxes are equipped with DOP injection port, pressure differential ports, and an arrangement for holding perforation grills or swirl diffusers as per the requirement.

For gel-sealed filters, aluminum extruded knife-edge terminal boxes are used, having an arrangement for filter fixing from the clean room side & air entry from the top. Low leakage dampers are used to control the airflow passing through the filters. Each terminal box has provisions to operate the damper from the clean room side (Bevel Gear Arrangement is also given on demand) or from the service floor as per the requirement.

Features:

- Easy to install
- Superior finish
- Corrosion resistance
- Robustness
- Low noise

Applications:

- Applications:
- Pharmaceuticals
- Electronic Industries
- Clean rooms for automobiles & food Industry
- Nano Technology labs

Air Distribution Products



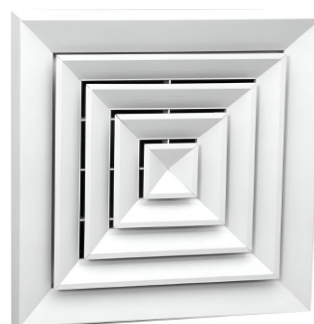
Fixed Bar Grill

- Aluminium Extruded construction
- Available in 19mm / 30mm Flange
- Powder coated finish
- Zero / 15 degree deflection
- Continuous and spot grill



Low Leakage Aluminium Extruded Damper

- Aluminium Extruded construction
- Aerofoil blades, Gear operated
- Less leakage due to high quality gaskets
- Manually operated / Motorised
- For ducts / Ahu's



Aluminium Square Diffuser

- All Aluminium construction
- Available in V type and flush type Frames
- Powder coated finish
- 4 way diffusion
- Available for grid ceiling, gypsum, open duct
- Removable core for damper operation



Slot Diffuser

- Aluminium Extruded construction
- Multishade design for better aesthetics
- Can be used for supply as well as return
- Hit and Miss Damper



Motorised Fire Damper

- Aluminium Extruded construction
- Galvanised Iron heavy gauge
- Optional copper Fusible Link
- Actuator with control panel and heat
- sensor duly attached



Aluminium Grill Dampers

- Milled Steel Constructions
- Handle Operated Louvers
- Aluminium Extruded Section
- Used for air balancing
- Used PVC Gears

Our Prestige Clients



SWISS

UNIX

SARAV

PUSHKAR PHARMA

AOD



ACCENT

OZONE

WINGS

BROOKS

INVENTIS

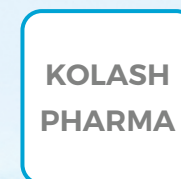


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