



Mechmaark

AN ISO 9001:2015 COMPANY

PRODUCT Catalogue

Clean Air
Through Technology

MECHMAARK FILTERS GIVE CLEAN AIR TO THE FOLLOWING INDUSTRIES:
COMMERCIAL BUILDING / HOSPITALS / DATA CENTERS / MUSEUMS / FOOD & PHARMA INDUSTRIES ; ETC.

Mechmaark Filtech India Pvt. Ltd. is an ace manufacturer of different Engineering & HVAC applications like Air Filters and Synthetic Rubber Adhesive along with the supplier of Thermal Insulation & Pre Insulated Duct etc.

Manufacturing quality and cost effective air filtration products for HVAC, Industrial & Clean Room applications we are known for our expertise not only in design phase, but also in production, sale and after-sale phase. Our products enjoy respectable patronage among our customers.



Media:
7 Layers of Wire mesh interspaced with three crumpled layers & 4 flat layers.

Features:
Easy to clean
Robust metal frame
Large cooling surface
Long service life
Efficiency @ 20µ particulate matter: 80-85%



Pre Filters
Frame: Aluminium / Galvanized Steel / SS 304
Type: Flange/ Box Type
Class: G-3 / G-4 or EU-3 / EU-4
Particulate Efficiency: 90% Down to 20 Micron / 90% Down to 10 Micron



Bag Filters
Frame: Aluminium / Galvanized Steel / SS 304
Type: Flange Box Type
Class: G-3, G-4, F-5, F-6 & F-7
Particulate Efficiency: 20, 10, 5 & 3 Micron



Fine/Microvee Filters
Frame: Aluminium / Galvanized Steel / SS 304
Type: Flange/Box Type
Class: F-5, F-6 & F-7 or EU-5, EU-6 & EU-7
Particulate Efficiency: 99% Down to 3 Micron



Fine/Microvee Filters
Frame: Aluminium / Galvanized Steel / SS 304
Type: Flange/Box Type
Class: F-5, F-6 & F-7 or EU-5, EU-6 & EU-7
Particulate Efficiency: 95% Down to 5 Micron



Mechmaark Carbon / Chemical Filters with Virgin Grade Coconut shell based Activated Carbon Granules or Chemical media according to end user applications.



Mini Pleat HEPA Filters

Frame: Aluminium / Galvanized Steel / SS 304
Type: Flange/ Box Type
Class: H-14
Particulate Efficiency: 99.99% Down to 0.3 Micron



HEPA Filters

Frame: Aluminium / Galvanized Steel / SS 304
Type: Flange/ Box Type
Class: EU-13, EU-14 or H-13, H-14
Particulate Efficiency: 99.97% - 99.99% Down to 0.3 Micron



V Bank Filter in Plastic Frame :

Filter Class : F6 / F7 / F8 / F9 / H10 / H11 / H12/ H13/H14



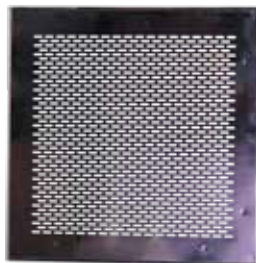
Mini Pleat Gel Seal Hepa Filters

Frame: Aluminium Extruded
Type: Box Type
Class: H-13/H-14
Particulate Efficiency: 99.97%- 99.99% Down to 0.3 Micron



Terminal Boxes For Minipleat Gel Seal Filter with stud arrangement

MOC: Anodized Al. Extruded
Sealing Arrangement: PU Sealed at 4 corners
Damper: Alu. Extruded Low leakage
Damper Operation: From Below The False Ceiling/ Clean room side
Perforated Sheet Fixing: SS Dome Bolt
Hanging Arrangement: Removable Clits 4 Nos
Filter Fixing: With SS Stud



Perforated Grills

MOC: SS 304 / SS 316 / AL.POWDER COATED
Capsule size: 20x 6 / 19x5



Terminal Boxes For Minipleat Gel Seal Filter

MOC: Anodized Al. Extruded
Sealing Arrangement: PU Sealed at 4 corners
Damper: Alu. Extruded Low leakage
Damper Operation: From Below The False Ceiling/ Clean room side
Perforated Sheet Fixing: SS Dome Bolt
Hanging Arrangement: Removable Clits 4 Nos
Filter Fixing: Removable Pressure Plates



Fan Fitted Unit (FFU) with HEPA Filters

MECHMAARK CAN PROVIDE SOLUTIONS FOR SELECTIVE REMOVAL OF SPECIFIC POLLUTANTS AS WELL!

PRODUCTS

**We Follow ISO 16890 / EN 779 Standards for Coarse, Pre and Fine Filter
For HEPA Filters - EN 1822 Standard**

Filter Standard Chart					
Type	Filter Class	EU Classifications	MERV	Average Efficiency @ 0.3μ	Efficiency %
Filters Coarse Dust	G1	EU-1	MERV 1-4	N/A	Rod Filters
	G2	EU-2		N/A	85% down to 20μ
	G3	EU-3	MERV 5-6	N/A	90% down to 20μ
	G4	EU-4	MERV 7-8	N/A	90% down to 10μ
Filters for Fine Dust	F5	EU-5	MERV 9-10	N/A	95% down to 5μ
	F6	EU-6	MERV 11-12	N/A	99.9% down to 5μ
	F7	EU-7	MERV - 13	N/A	99% down to 3μ
	F8	EU-8	MERV - 14	N/A	99.9% down to 3μ
	F9	EU-9	MERV - 15	N/A	50% down to 0.3μ
Filters For Microparticles	H 10	EU-10	MERV - 16	85%	85% down to 0.3μ
	H 11	EU-11	MERV - 17	95%	95% down to 0.3μ
HEPA Filters	H 12	EU-12	MERV - 18	99.50%	99.5% down to 0.3μ
	H 13	EU 13	MERV - 19	99.95%	99.97% down to 0.3μ
	H14	EU 14	MERV - 20	99.995%	99.99% down to 0.3μ
ULPA Filters	H 15	EU 15	N/A	99.9995%	99.999% down to 0.3μ
	H 16	EU 16	N/A	99.99995%	N/A
	H17	EU 17	N/A	99.999995%	N/A

Relation Between ASHRAE 52.2, EN779 and ISO 16890					
ASHRAE 52.2	EN779	ISO ePM	ISO ePM _{2.5}	ISO ePM ₁₀	ISO Coarse
MERV 5	G3	-	-	-	>80%
MERV 7	G4	-	-	-	>90%
MERV 8-9	M5	-	-	>50%	-
MERV 10-12	M6	-	50-60%	>60%	-
MERV 13	F7	50-65%	65-80%	>85%	-
MERV 14	F8	65-80%	>80%	>90%	-
MERV 15	F9	>80%	>95%	>95%	-
Typical Control Contaminants'	Particle size within 0.3μm-1.0μm, All bacteria, Cooking oil, Most smoke, Copier toner, Most face powder, Most paint pigments Particle Size within 1.0μm- 3.0μm, Lead dust, Milled flour, Coal dust, Auto emissions, Nebulizer drop, Welding fumes Particle size within 3.0μm-10.0μm, Mold Spores, Hair spray, Cement dust, Snuff, Powdered milk Particle size > 10.0μm, Pollen, Dust mites, Sanding dust, Spray paint dust, Textile Fibers				
Application	IAQ concerned commercial, industrial, medical, food etc IAQ concerned commercial & industrial, medical Commercial, industrial, paint shop Gross filter, domestic and commercial				



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Reach us at:

Mechmaark Filtech India Pvt. Ltd.

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Unit No. 609, 7th Floor, West End Mall, Janakpuri, New Delhi - 110058

Contact us: 011-45667904 Email: sales@mechmaark.in, info@mechmaark.in

Our Branches: Delhi Head Office; Gujrat; Maharashtra; Hyderabad & Himachal Pradesh