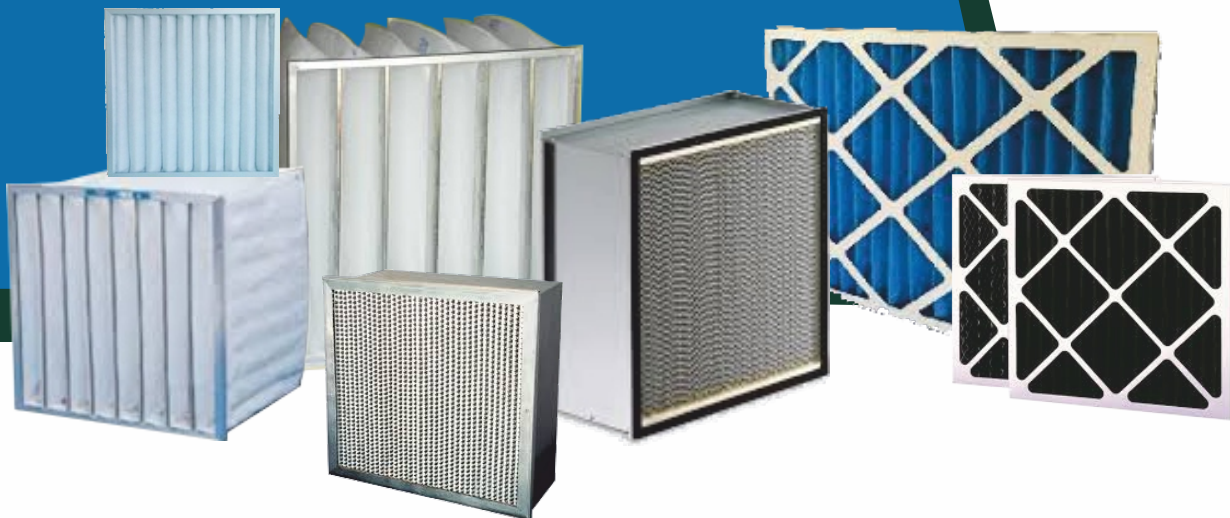
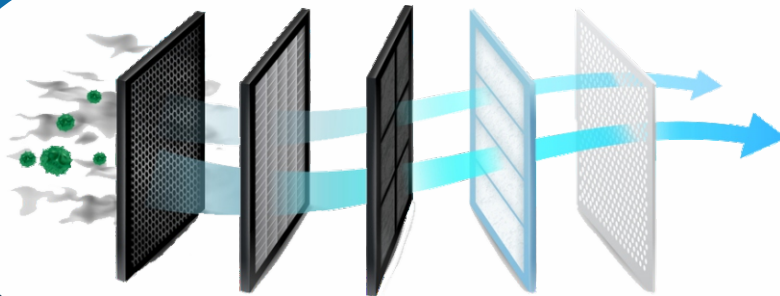




Micron Air Filters & Equipments Pvt. Ltd.

Air Filtration Think Micron...!!!

✓ AIR FILTERS FOR CLEANROOM & HVAC



- Pre Filter / Primary Filter
- Fine Filter / Microvee Filter
- HEPA Filters
- Bag / Pocket Filters
- Mini Pleate Hepa Filter
- Metallic Filters / Viscus Filters
- Activated Carbon Filters
- Paint Booth Filters

ABOUT US

Micron was incorporated in year 2015 as a manufacturing unit at Pune, Maharashtra (India).

Our strict adherence to stringent quality management system & clients' preferences have enabled us establish ourselves as the most reputed manufacturers of Cleanroom Air Filters.

We are highly applauded among our clients for our Precision Filters, reasonable rates & on time deliveries of consignments.

There are wide ranges of Cleanroom Filters offered by us.

We are witness to the marvellous growth of our company over the year in the industry under the astute guidance & leadership of our founder, Mr. Arun Wangekar. His vast industry experience & sharp business acumen has always helped us present a superior quality product range in the market that is at par with the expectations of our customers.

Micron is equipped with a whole new generation of managers & Technicians highly trained to delivery Turnkey Solutions for different applications conforming to all the guidelines.

The Infrastructure is packed with a State of Art Manufacturing Facility equipped with modern automated & one of its kind machines, is always ready for Engineering Challenges of the ever changing stringent Standards.

Micron is growing steadily each year & expanding across different Verticals far & wide. The zeal to deliver quality on time, every time has brought many features to its cap across Domestic & International boundaries.

Giving almost importance to Quality, Safety & Environmental & Compliance policy Micron Stands firm on its commitment to deliver Impeccable project Execution time.

Maintaining undeviating Quality Standards has won repeated orders from its Esteemed Clients.

OUR MISSION & VISION

"Our mission is to manufacture and continually develop quality products at a competitive price while fostering a climate where environmental technologies can thrive.

We will always strive to service our customer with the utmost Integrity, and to their complete satisfaction."

CORE STRENGTH

- ✓ Strong Experienced Team
- ✓ Detailed Engineering
- ✓ Customer Focus
- ✓ Work Efficiency
- ✓ Quality Products On Time Delivery

A graphic featuring the words "ABOUT US" in a bold, white, sans-serif font. The text is centered within a white, rounded rectangular shape that has a green outline. The background of this shape is filled with various shades of blue and white squares of different sizes, creating a pixelated or mosaic effect.

Air filter classification is regulated by a series of very strict standard that specifically define the features of the filters according to the relevant efficiency class & use.

The designer & the installation technician must know all these standards to be able to propose the filter that best meets the project requirements.

Below, are the main standard used today with a series of table indicating the efficiency class of each filter. Before starting, We want to remind you that the Air Filters considered by the standards belong to three main groups :

Coarse/ Pre

Fine

HEPA

» EN 779 Standard

This Standard derives from revision of former EN 779. It Aims at determining the arrestance of coarse filters with synthetic dust by using a gravimetric method & the efficiency of fine filters by using particle counter method. The standard has a double classification system that uses letters & numbers G & F, respectively for coarse & fine Filters, followed by number from 1 to 9.

» EN 1822 Standard

The Most up-to date standard concerning HEPA air is EN 1822. The new standard is composed of 5 parts, each dealing with one specific subjects which is described in details.

It was stated that any single filtering medium has point of Maximum penetration(or of lowest efficiency) according to a specific particle Size.

» Filter Quick Selection Guide

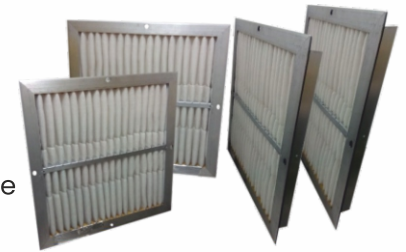
TYPE of Filters	Class			Efficiency
	Grade	EU Classification	MERV Rating	
Course Filters (G-Category) Tested as per EN 779,ASHRAE 52.2	G1	EU-1	MERV-1	50% @ 50 MIC
	G2	EU-2	MERV-2-4	80% @ 40 MIC
	G3	EU-3	MERV-5-6	85% @ 20 MIC
	G4	EU-4	MERV-7-8	90% @ 10 MIC
Medium Dust Filters Testes as per EN 779,ASHRAE 52.2	F5	EU-5	MERV-9-10	95% @ 5 MIC
	F6	EU-6	MERV-11-12	99% @ 5 MIC
Fine Dust Filters Tested As per EN 779, ASHRAE 52.2	F7	EU-7	MERV-12	99% @ 3 MIC
	F8	EU-8	MERV-14	99% @ 2 MIC
	F9	EU-9	MERV-15	50% @ 0.3 MIC
	H10	EU-10	MERV-16	85% @ 0.3 MIC
HEPA Filters Tested as per EN 1822, ASHREA 52.2	H11	EU-11	MERV-17	95% @ 0.3 MIC
	H12	EU-12	MERV-18	99% @ 0.3MIC
	H13	EU-13	MERV-19	97.99% @ 0.3 MIC
	H14	EU-14	MERV-20	99.99% @ 0.3 MIC

MERV - Minimum Efficiency Reporting Value

HEPA - High Efficiency Particulate Air

MPPS - Most Penetrating Particle Size

- Frame :** Al/GIPC/SS-304,Box/Flange
- Adhesive :** Epoxy based adhesive for leak proof joint between filter media and casing
- Gasket :** Felt / Natural Rubber / PE foam based gasket as per customer choice for sealing the filter on mounting frame
- Grade :** G3 to F9
- Temperature :** Recommended for operating temperature up to ambient. Operating humidity up to 100% RH.
- Cleaning :** Washable by detergent/water solution or by air/Vaccum cleaner as per design.
- Product Range :** Filter are available with air handling capacity in the range of 170 cubic meter/hr (100CFM) to 3400cubic meter/hr (2000CFM)
- Application :** Centralized conditioning, Kitchen, Hotels, Hospitals, Laboratories, Theaters, etc.



Sr. No.	EN 779: 2012	ISO 16890	ASHRAE 52.2: 2017	Dimensions		Air Flow		Initial Pressure Drop (Pa)
				(inches)	mm	(CFM)	(CMH)	
1	G4	Coarse 65%	MERV 8	24"X24"X6"	610 X 610 X 150	1000	1725	650
2	G4	Coarse 65%	MERV 8	24"X20"X6"	610 X 508 X 150	850	1435	650
3	G4	Coarse 65%	MERV 8	20"X20"X6"	508 X 508 X 150	700	1190	650
4	G4	Coarse 65%	MERV 8	24"X24"X12"	610 X 610 X 300	2000	3400	650
5	G4	Coarse 65%	MERV 8	24"X20"X12"	610 X 508 X 300	1650	2800	650
6	G4	Coarse 65%	MERV 8	20"X20"X12"	508 X 508 X 300	1385	2350	650
7	M5/M6	ePM10 60%/ePM2.5 50%	MERV 10/MERV 11	Sizes and Airflow as stated above				
8	F7/F8/F9	ePM1 60%/ePM1 70%/ePM1 85%	MERV 13/MERV 14/ MERV 15	Sizes and Airflow as stated above				

» Pocket Filter

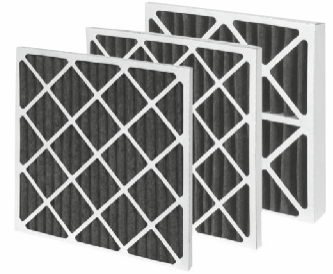
- Frame :** Al/GIPC/SS-304,Box/Flange **Adhesive :** Non Woven Synthetic/Glass Fiber
- Gasket :** Polyethylene, Foam, rubber Felt / Natural Rubber / PE foam based gasket as per customer choice for sealing the filter on mounting frame
- Grade :** G4 to F9 **Temperature :** Ambient
- Cleaning :** Washable by detergent/water solution or by air/Vaccum cleaner as per design
- Product Range :** Filter are available with air handling capacity in the range of 170cubic meter/hr (100CFM) to 3400cubic meter/hr (2000CFM)
- Application :** Centralized conditioning, Kitchen, Hotels, Hospitals, Laboratories, Theaters, etc.



Sr. No.	EN 779: 2012	ISO 16890	ASHRAE 52.2: 2017	Dimensions		Air Flow		Initial Pressure Drop (Pa)
				(inches)	mm	(CFM)	(CMH)	
1	G4	Coarse 65%	MERV 8	24"X24"X6"	610 X 610 X 150	1000	1725	650
2	G4	Coarse 65%	MERV 8	24"X20"X6"	610 X 508 X 150	850	1435	650
3	G4	Coarse 65%	MERV 8	20"X20"X6"	508 X 508 X 150	700	1190	650
4	G4	Coarse 65%	MERV 8	24"X24"X12"	610 X 610 X 300	2000	3400	650
5	G4	Coarse 65%	MERV 8	24"X20"X12"	610 X 508 X 300	1650	2800	650
6	G4	Coarse 65%	MERV 8	20"X20"X12"	508 X 508 X 300	1385	2350	650
7	M5/M6	ePM10 60%/ePM2.5 50%	MERV 10/MERV 11	Sizes and Airflow as stated above				
8	F7/F8/F9	ePM1 60%/ePM1 70%/ePM1 85%	MERV 13/MERV 14/ MERV 15	Sizes and Airflow as stated above				

» Activated Carbon Filter

- Frame :** Al/GIPC/SS-304,Box/Flange
- Adhesive :** Epoxy based adhesive for leak proof joint between filter media
- Media :** High Loft Carbon GSM Media
- Gasket :** Felt / Natural Rubber / PE foam based gasket as per customer choice for sealing the filter on mounting frame
- Grade :** G3 to F9
- Temperature :** Recommended for operating temperature up to ambient. Operating humidity up to 100% RH
- Cleaning :** Washable by detergent/water solution or by air/Vaccum cleaner as per design
- Product Range :** Filter are available with air handling capacity in the range of 170 cubic meter/hr (100CFM) to 3400cubic meter/hr (2000CFM)
- Application :** Diagnostic, Kitchen, Hotels, Chemical Laboratories, Hospitals, Research Center, Theaters ,etc.



» HEPA Deep Pleat Filter

- Frame :** Alum Anodized/GIPC/SS-304
- Adhesive :** Epoxy based adhesive for leak proof joint between filter media and casing
- Media :** Submicronic glass fiber media paper.
- Gasket :** Sponge rubber /polyurethane Neoprene gasket provided for sealing the filter on mounting frame
- Grade :** H10 to H14
- Temperature :** Recommended for operating temperature up to ambient. Operating humidity up to 100% RH.
- Cleaning :** Non-Washable
- Product Range :** Filter are available with air handling capacity in the range of 170cubic meter/hr (100CFM) to 3400cubic meter/hr (2000CFM)
- Application :** Hospital, Cleanroom equipments Pharmaceuticals, biotech semiconductors, Pharmaceuticals, Research & development, Defense etc.

Sr. No.	EN 1822	ISO 29463	Dimensions		Air Flow		Initial Pressure Drop (Pa)
					(CFM)	(CMH)	
1	H10	NA	305 X 305 X 150	305 X 305 X 150	250	425	150
2	H10	NA	610 X 610 X 150	610 X 610 X 150	1000	1700	150
3	H10	NA	305 X 305 X 300	305 X 305 X 300	500	850	150
4	H10	NA	610 X 610 X 300	610 X 610 X 300	2000	3400	150
5	H11	ISO 15 E	305 X 305 X 150	305 X 305 X 150	250	425	150
6	H11	ISO 15 E	610 X 610 X 150	610 X 610 X 150	1000	1700	150
7	H11	ISO 15 E	305 X 305 X 300	305 X 305 X 300	500	850	150
8	H11	ISO 15 E	610 X 610 X 300	610 X 610 X 300	2000	3400	150
9	H12	ISO 25 E	305 X 305 X 150	305 X 305 X 150	250	425	150
10	H12	ISO 25 E	610 X 610 X 150	610 X 610 X 150	1000	1700	150
11	H12	ISO 25 E	305 X 305 X 300	305 X 305 X 300	500	850	150
12	H12	ISO 25 E	610 X 610 X 300	610 X 610 X 300	2000	3400	150

*ULPA filters of the range "U15, U16, U17 or ISO 55 U, ISO 65 U, ISO 75 U" are also available.



» High Temp. HEPA Filter

- Frame :** Al/SS-304,Box/Flange
- Adhesive :** Ceramic Based adhesive for leak proof joint between filter media and casing
- Media :** Submicronic glass fiber High Temperature media paper
- Gasket :** High Temp Gasket
- Grade :** H10 to H14
- Temperature :** 100°C to 400°C Operating humidity up to 100 % RH
- Cleaning :** Non-Washable
- Product Range :** Filter are available with air handling capacity in the range of 170 cubic meter/hr (100CFM) to 3400 cubic meter/hr (2000CFM)
- Application :** Pharmaceuticals, Dry Heat sterilized tunnels.



Sr. No.	EN 1822	ISO 29463	Dimensions		Air Flow		Initial Pressure Drop (Pa)
					(CFM)	(CMH)	
1	H10	NA	305 X 305 X 150	305 X 305 X 150	250	425	150
2	H10	NA	610 X 610 X 150	610 X 610 X 150	1000	1700	150
3	H10	NA	305 X 305 X 300	305 X 305 X 300	500	850	150
4	H10	NA	610 X 610 X 300	610 X 610 X 300	2000	3400	150
5	H11	ISO 15 E	305 X 305 X 150	305 X 305 X 150	250	425	150
6	H11	ISO 15 E	610 X 610 X 150	610 X 610 X 150	1000	1700	150
7	H11	ISO 15 E	305 X 305 X 300	305 X 305 X 300	500	850	150
8	H11	ISO 15 E	610 X 610 X 300	610 X 610 X 300	2000	3400	150
9	H12	ISO 25 E	305 X 305 X 150	305 X 305 X 150	250	425	150
10	H12	ISO 25 E	610 X 610 X 150	610 X 610 X 150	1000	1700	150
11	H12	ISO 25 E	305 X 305 X 300	305 X 305 X 300	500	850	150
12	H12	ISO 25 E	610 X 610 X 300	610 X 610 X 300	2000	3400	150

*ULPA filters of the range "U15, U16, U17 or ISO 55 U, ISO 65 U, ISO 75 U" are also available.

» HEPA Mini Pleat Filter

- Frame :** Alum Anodized/GIPC/SS-304
- Adhesive :** Epoxy based adhesive for leak proof joint between filter media and casing
- Media :** Submicronic glass fiber media pack.
- Gasket :** Sponge rubber /polyurethane Neoprene gasket provided for sealing the filter on mounting frame
- Grade :** F7 to U15
- Temperature :** Recommended for operating temperature up to ambient. Operating humidity up to 100% RH.
- Cleaning :** Non-Washable
- Product Range :** Filter are available with air handling capacity in the range of 170cubic meter/hr (100CFM) to 3400cubic meter/hr (2000CFM)
- Application :** Hospital, Cleanroom equipments
Pharmaceuticals, biotech semiconductors,
Pharmaceuticals, Research & development,
Defense etc.

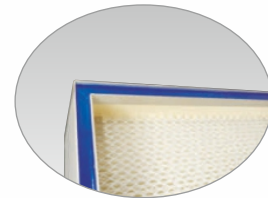


Sr. No.	EN 1822	ISO 29463	Dimensions		Air Flow		Initial Pressure Drop (Pa)
					(CFM)	(CMH)	
1	H13/ H14	ISO 35 H/ ISO 45 H	305 X 305 X 69	125	212.5	150	
2	H13/ H14	ISO 35 H/ ISO 45 H	610 X 610 X 69	500	1700	150	
3	H13/ H14	ISO 35 H/ ISO 45 H	915 X 610 X 69	750	850	150	
4	H13/ H14	ISO 35 H/ ISO 45 H	1220 X 610 X 69	1000	3400	150	
5	H13/ H14	ISO 35 H/ ISO 45 H	305 X 305 X 94	125	212.5	150	
6	H13/ H14	ISO 35 H/ ISO 45 H	610 X 610 X 94	500	1700	150	
7	H13/ H14	ISO 35 H/ ISO 45 H	915 X 610 X 94	750	850	150	
8	H13/ H14	ISO 35 H/ ISO 45 H	1220 X 610 X 94	1000	3400	150	
9	H13/ H14	ISO 35 H/ ISO 45 H	305 X 305 X 107	125	212.5	150	
10	H13/ H14	ISO 35 H/ ISO 45 H	610 X 610 X 107	500	1700	150	
11	H13/ H14	ISO 35 H/ ISO 45 H	915 X 610 X 107	750	850	150	
12	H13/ H14	ISO 35 H/ ISO 45 H	1220 X 610 X 107	1000	3400	150	

*Filters of other sizes as per requirement also available

» Gel Seal Minipleat HEPA Filter

- Frame :** Alum Anodized/GIPC/SS-304
- Adhesive :** Epoxy based adhesive for leak proof joint between filter media and casing
- Gel Used :** A Standard fluid Silicone gel.
- Media :** Submicronic glass fiber media pack
- Grade :** F7 to H14
- Temperature :** Recommended for operating temperature up to ambient. Operating humidity up to 100% RH.
- Cleaning :** Non-Washable
- Product Range :** Filter are available with air handling capacity in the range of 170cubic meter/hr (100CFM) to 3400cubic meter/hr (2000CFM)
- Application :** Hospital, Cleanroom equipments Pharmaceuticals, biotech semiconductors, Pharmaceuticals, Research & development, Defense etc.



Sr. No.	EN 1822	ISO 29463	Dimensions	Air Flow		Initial Pressure Drop (Pa)
				(CFM)	(CMH)	
1	H13/H14	ISO 35 H/ ISO 45 H	305 X 305 X 84	125	212.5	80
2	H13/H14	ISO 35 H/ ISO 45 H	610 X 610 X 84	500	1700	80
3	H13/H14	ISO 35 H/ ISO 45 H	915 X 610 X 84	750	850	80
4	H13/H14	ISO 35 H/ ISO 45 H	1220 X 610 X 84	1000	3400	80
1	H13/H14	ISO 35 H/ ISO 45 H	305 X 305 X 115	125	212.5	70
2	H13/H14	ISO 35 H/ ISO 45 H	610 X 610 X 115	500	1700	70
3	H13/H14	ISO 35 H/ ISO 45 H	915 X 610 X 115	750	850	70
4	H13/H14	ISO 35 H/ ISO 45 H	1220 X 610 X 115	1000	3400	70
1	H13/H14	ISO 35 H/ ISO 45 H	305 X 305 X 135	250	425	200
2	H13/H14	ISO 35 H/ ISO 45 H	610 X 610 X 135	1000	1700	200
3	H13/H14	ISO 35 H/ ISO 45 H	915 X 610 X 135	1500	850	200
4	H13/H14	ISO 35 H/ ISO 45 H	1220 X 610 X 135	2000	3400	200

*Filters of other sizes as per requirement also available

*Filters in 104, 128, 149 mm depth are also available



» Paint Booth Filter

- Frame :** Al/GIPC/Card board/polysterene plastic, Box/Flange
- Ceiling Media :** Polyester woven fabric
- Floor Media :** Glass Fiber Media continues bonded 50 to 100 mm thick
- Grade :** G3-for floor media & F5 for ceiling filter
- Temperature :** Recommended for operating temperature up to ambient Resistance 100-120°C



Various Range Of Compress Air Filters & Housing



Our Esteemed Customers



Contact With Us

Corporate Office : Greens Centre, O-309/310, S. No. 26, CTS No. 5401,
Thergaon, Pune - 411033, MH, India.

Factory Address : Gat No.78/4, Near Sonawane Wasti, Ground Floor, Jyotiba Nagar,
Talwade Rd, Talwade, Pune - 411026, MH, India.

Contact : 020 29529739 / +91 9552764776

Email : enq@micronfilters.in / maketing@micronfilters.in

Web : www.micronfilters.in

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