

Mini-Pleat Hepa Air Filters

Product Features

Used for terminal filtration in cleanroom fresh air conditioning systems, air supply outlets of dust-free workshops, and as primary filtration for FFU (Fan Filter Unit) and other air purification equipment.

1. Compact size, low cost, stable performance, long service life.
2. Separator-free design reduces resistance, improves efficiency, and lowers operating costs.
3. Standard sizes (W×H×D mm): 610×610×50, 610×610×69, 610×610×90, Custom sizes available.
4. Efficient: 99.9995%@0.3µm, Super efficient: 99.99995%@0.3µm.
5. Applications: Food & beverage, healthcare, semiconductors, automotive, chemical industries; cleanrooms, laminar flow workstations, air showers, LSI/semiconductor manufacturing plants, electronics research centers, pharmaceutical laminar flow equipment, and other high-coverage HEPA environments.



Technical Index

Grade: H13, H14, U15, U16; UH17, UH18, UH19, UH20
MERV17, MERV18, MERV19, MERV20.

Moisture resistance: 100% RH

Heat-Resistant: 80°C

Filter object: $\geq 0.5\mu\text{m}$, $\geq 0.3\mu\text{m}$, $\geq 0.1\mu\text{m}$

Filtration Efficiency: 99%, 99.9%, 99.999%, 99.9999%, 99.99999% (ASHRAE 52.1-1992)

Instantaneous Temperature Resistance: $\leq 100^\circ\text{C}$

Material characteristics

Filter media: Ultrafine glass fibers or HE PP Paper

Frame options: Aluminum, stainless, and galvanized steel

Separator: Hot melt adhesive

Sealant: PU two-component polyurethane glue

Sealing Strip: Polyurethane foam EVA

Protective Mesh: Diamond-pattern painted metal mesh

Technical Parameter

Grade	Dimensions (mm) W*H* D	Initial Resistance (Pa)	Final Resistance (Pa)	Rated Air Flow (m³/h)	Media area(m²)	Wind Velocity Test (m/s)
H13	610*610*50	110	250	450	7.61	0.35
H13	915*610*50	110	250	680	11.29	0.35
H13	610*610*69	100	200	600	9.89	0.45
H13	915*610*69	100	200	896	23.19	0.45
H13	1170*570*69	100	200	1080	25.21	0.45
H13	1220*610*100	85	180	1200	30.76	0.45
H13	1170*1170*100	85	180	2180	32.28	0.45
H14	610*610*50	115	250	450	7.61	0.35
H14	915*610*50	115	250	680	11.29	0.35
H14	610*610*69	110	230	600	9.89	0.45
H14	915*610*69	110	230	896	23.19	0.45
H14	1170*570*69	110	230	1080	25.21	0.45
H14	1220*610*100	90	180	1200	30.76	0.45
H14	1170*1170*100	90	180	2180	32.28	0.45
U15	610*610*50	145	300	450	7.61	0.35
U15	915*610*50	145	260	680	11.29	0.35
U15	610*610*69	130	260	600	9.89	0.45
U15	915*610*69	130	260	896	23.19	0.45
U15	1170*570*69	130	200	1080	25.21	0.45
U15	1220*610*100	100	200	1200	30.76	0.45
U15	1170*1170*100	100	200	2180	32.28	0.45
U16	610*610*50	158	350	450	7.61	0.35
U16	915*610*50	158	350	680	11.29	0.35
U16	610*610*69	148	400	600	9.89	0.45
U16	915*610*69	148	400	896	23.19	0.45
U16	1170*570*69	148	400	1080	25.21	0.45

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