

# Deep Pleated Hepa Filters

## Product Features

Used for primary filtration in cleanroom fresh air conditioning systems, terminal filtration at air supply outlets of dust-free workshops, and high-efficiency air supply outlets. Widely applied in electronics, optics, semiconductors, surface treatment, painting, chemical, biopharmaceuticals, hospitals, automotive industries, and more.

1. Low resistance, high dust-holding capacity, uniform air velocity distribution, high efficiency (primarily captures particles  $\geq 0.3\mu\text{m}$  and  $\geq 0.5\mu\text{m}$ ).
2. Corrugated aluminum foil or paper separators precisely maintain pleat spacing, maximizing filter media utilization at minimal resistance: Aluminum foil thickness: 0.03mm Corrugation height: 4mm. Ensures optimal filter media area and product quality.
3. Thickness options (mm): 80, 96, 120, 150, 220, 292, 305. Custom sizes available.



## Technical Index

Grade: Grade: M6, F7, F8, F9, H10, H13, H14

MERV11, MERV12, MERV13, MERV14, MERV15, MERV16-19

Moisture resistance: 100% RH Heat-Resistant: 80°C

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

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: High-density paper made with ultra-fine glass fiber.

Frame: Galvanized steel, aluminum, or ABS plastic.

Sealant: PU two-component polyurethane glue.

Sealing Strip: Polyurethane foam EVA.

Separator: Double-glued corrugated paper (50°C) Aluminum foil (150°C)

## Technical Parameter

Model	Grade	Dimensions (mm) W*H* D	Initial Resistance (Pa)	Final Resistance (Pa)	Rated Air Flow (m <sup>3</sup> /h)	Media area (m <sup>2</sup> )	Wind Velocity Test (m/s)
WS-M6-SC	M6	320*320*150	90	300	450	2.59	1.2
		484*484*220	90	300	1700	9.46	2.0
		305*610*292	90	300	1700	10.52	2.5
		610*610*292	90	300	3400	21.25	2.5
WS-F7-SC	F7	320*320*150	130	300	450	2.59	1.2
		484*484*220	130	300	1700	9.46	2.0
		305*610*292	130	300	1700	10.52	2.5
		610*610*292	130	300	3400	21.25	2.5
WS-F8-SC	F8	320*320*150	140	300	450	2.59	1.2
		484*484*220	140	300	1700	9.46	2.0
		305*610*292	140	300	1700	10.52	2.5
		610*610*292	140	300	3400	21.25	2.5
WS-F9-SC	F9	320*320*150	150	300	450	2.59	1.2
		484*484*220	150	300	1700	9.46	2.0
		305*610*292	150	300	1700	10.52	2.5
		610*610*292	150	300	3400	21.25	2.5
WS-H10-SC	H10	320*320*150	180	400	450	2.59	1.2
		484*484*220	180	400	1700	9.46	2.0
		305*610*292	180	400	1700	10.52	2.5
		610*610*292	180	400	3400	21.25	2.5
WS-H13-SC	H13	320*320*150	250	500	450	2.59	1.0
		484*484*220	250	500	1700	9.46	1.5
		305*610*292	250	500	1700	10.52	2.5
		610*610*292	250	500	3400	21.25	2.5
WS-H14-SC	H14	320*320*150	280	500	450	2.59	1.0
		484*484*220	280	500	1700	9.46	1.5
		305*610*292	280	500	1700	10.52	2.5
		610*610*292	280	500	3400	21.25	2.5

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