

BREATHE BETTER

with Air Filter Supplies



HEPA SEPARATOR filter

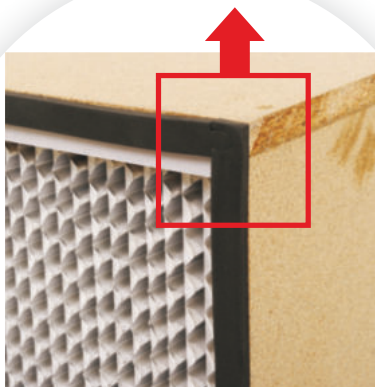
ADVANTAGE

These special designed filters allow system to control laminar air flow under high humidity. Hemmed edges on the aluminum reduce possible pleat damage. Low initial pressure media lengthen the life of filters and filters meet UL class 900 fire code.

APPLICATIONS

These filters can remove a broad range of airborne contaminants. They can be used as final filters in hospital, aerospace, pharmaceutical and food processing industry. They also can be used as pre-filter for the most demanded clean room.

Interlock Design



DESCRIPTION

Filters are constructed with stainless galvanized steel, aluminum, or wood frame with media pleated back and forth over safe edge aluminum to optimize performance.

Polyurethane sealant applies throughout all filter to prevent any possible leakage.

SPECIFICATION

- Series: Separator type
- Header: Box; Single; Double
- Frame: Wooden, Aluminum; Galvanized & Stainless steel
- Media: Wet-laid micro-glassfiber
- Separators: Aluminum foil
- Sealant: Polyurethane
- Fire retardant: UL900
- Temperature: $\leq 80^{\circ}\text{C}$
- Humidity: $\leq 100\% \text{ RH}$
- Efficiency:
 - MPPS: $\geq 95\%$ (H11);
 - DOP: $\geq 95\%$ @ $0.3\mu\text{m}$
 - MPPS: $\geq 99.95\%$ (H13);
 - DOP: $\geq 99.97\%$ @ $0.3\mu\text{m}$
 - MPPS: $\geq 99.995\%$ (H14);
 - DOP: $\geq 99.99\%$ @ $0.3\mu\text{m}$
- Recommended final pressure drop: $\leq 500\text{pa}$

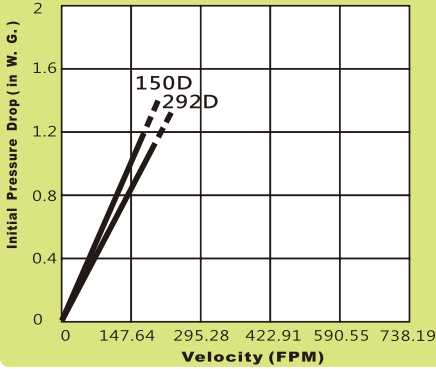
Air Filter Supplies is committed to providing a "one-stop shop" for all of your air filtration requirements. As an air filter manufacturer, we are uniquely positioned to custom make most types of air filters.

DIMENSIONS AND PERFORMANCE DATA:

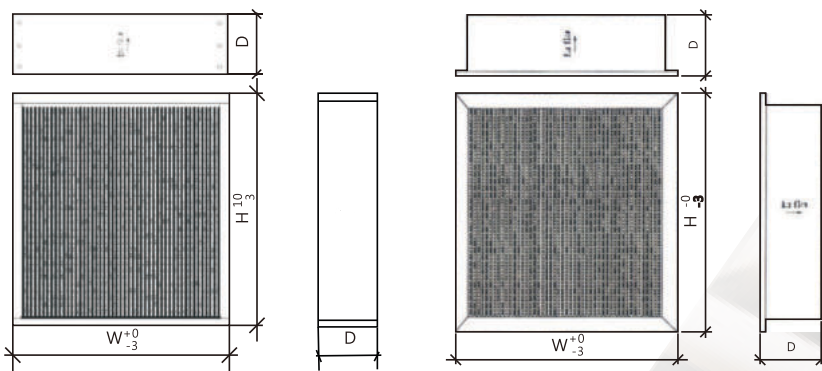
ITEM NO.	NOMINAL SIZE W×H×D(inches)	ACTUAL SIZE W×H×D(mm)	EFFICIENCY En1822	AIR-FLOW/INITIAL RESISTANCE	
				CFM/W.G Standard Capacity	CMM/Pa High Capacity
31D9512246	12×24×6	305×610×150	H11	286/0.96 8.1/245	452/1.2 12.8/300
31D9524246	24×24×6	610×610×150	H11	607/0.96 17.2/245	957/1.2 27.1/300
3139712246	12×24×6	306×610×150	H13	286/1.0 8.1/250	452/1.3 12.8/325
3139724246	24×24×6	610×610×150	H13	607/1.0 17.2/250	957/1.3 27.1/325
31397122412	12×24×12	305×610×292	H13	607/1.0 17.2/250	1000/1.4 28.3/350
31397242412	24×24×12	610×610×292	H13	1150/1.0 32.5/250	2000/1.4 56.6/350
314912246	12×24×6	305×610×150	H14	286/1.0 8.1/250	452/1.4 12.8/350
314924246	24×24×6	610×610×150	H14	607/1.0 17.2/250	957/1.4 27.1/350
3149122412	12×24×12	305×610×292	H14	607/1.0 17.2/250	1000/1.4 28.3/350
3149242412	24×24×12	610×610×292	H14	1150/1.0 32.5/250	2000/1.4 56.6/350

FACE VELOCITY:
150D STANDARD VELOCITY: 0.75 M/S HIGH VELOCITY: 1.34 M/S
292D STANDARD VELOCITY: 1.05 M/S HIGH VELOCITY: 2.5 M/S

**INITIAL RESTRICTION vs.
FACE VELOCITY**



ENGINEERING DRAWING



■ 1.Extra sizes are available on request..

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