



EN 1822  
2009

H11

H13

H14



Interlock Design

## HEPA Separator Box Filters

### Specifications

**Frame :** Galvanized, Wood, Aluminum & Stainless Steel

**Header :** Box type, Single, Double header

**Media :** Wet-laid glass fiber

**Efficiency :**

H11 (EN 1822) / MERV 16 (ASHRAE 52.2)

MPPS:  $\geq 95\%$  / DOP:  $\geq 99.9\%$ @ $0.3 \mu\text{m}$

H13 (EN 1822) / MERV 17-18 (ASHRAE 52.2)

MPPS:  $\geq 99.95\%$  / DOP:  $\geq 99.99\%$ @ $0.3 \mu\text{m}$

H14 (EN 1822) / MERV 19 (ASHRAE 52.2)

MPPS:  $\geq 99.995\%$  / DOP:  $\geq 99.999\%$ @ $0.3 \mu\text{m}$

**Separator :** Aluminum foil

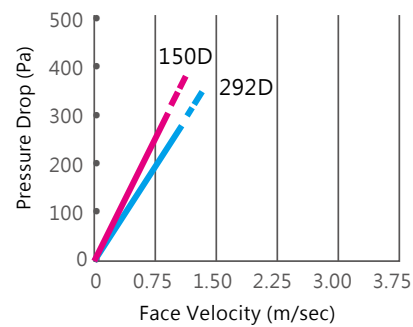
**Sealant :** Polyurethane (PU)

**Flame Retardant Grade :** UL900

**Max. Temperature :**  $\leq 80^\circ\text{C}$

**Max. Humidity :**  $\leq 100\%$  RH

**Rec. Final Pressure Drop :**  $\leq 500 \text{ Pa}$

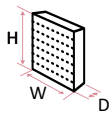


### Advantages

- ✓ Control airflow under high humidity
- ✓ Hammed edges eliminate possible pleat damage
- ✓ Extend life span with low initial resistance
- ✓ Comply with UL900 grade flame retardant

### Applications

Available for being applied in pharmaceutical industry, food processing industry, hospitals, aerospace and cleanroom.



Special Size Customized

Nominal Size WxHxD (in.)	Actual Size WxHxD (mm)	Media Area (m <sup>2</sup> )		Filter Rating (EN1822: 2009)	Air Flow				Initial Resistance				Recommended Final Resistance  Pa
		Standard Capacity	High Capacity		Standard Capacity		High Capacity						
					CFM	CMH	In W.G.	Pa	In W.G.	Pa			
12x24x12	305x610x290	7.69	11.38	H11	600	1019	1000	1699	0.96	245	1.00	250	≤ 500 (2.0 In W.G.)
24x24x6	610x610x150	6.90	10.15		607	1031	957	1626	0.96	245	1.00	250	
24x24x12	610x610x290	15.24	22.61		1150	1954	2000	3398	0.96	245	1.00	250	
12x24x12	305x610x290	7.69	11.38	H13	600	1019	1000	1699	1.00	250	1.40	350	
24x24x6	610x610x150	6.90	10.15		607	1031	957	1626	1.00	250	1.42	350	
24x24x12	610x610x290	15.24	22.61		1150	1954	2000	3398	1.00	250	1.40	350	
12x24x12	305x610x290	7.69	11.38	H14	600	1019	1000	1699	1.00	250	1.40	350	
24x24x6	610x610x150	6.90	10.15		607	1031	957	1626	1.00	250	1.40	350	
24x24x12	610x610x290	15.24	22.61		1150	1954	2000	3398	1.00	250	1.40	350	

○ Face Velocity:150D => Standard Velocity : 0.8 m/s High Velocity : 1.2 m/s 290D => Standard Velocity : 1.5 m/s High Velocity : 2.5 m/s

○ Customized sizes are available upon request. ○ Pressure drop tolerance:  $\pm 15\%$