



Clean Liquid Systems LLC  
 20150 Kuykendahl Rd #200  
 Spring, TX 77379  
 Ph: 713-253-0100 / 713-253-5001  
 www.cleanliquidsystems.com

## HEPA SC & HC - with Aluminum Separators

HEPA Standard Capacity & High Capacity filters are deep pleated aluminum separator filters with efficiencies ranging from 99.97% to 99.999% @ 0.3 micron per IEST standard or EN779:1822(H12 to H14 grades.) The filters are available in wood or metal construction. Box type or double turned flanged version available.



### Filter Media

HEPA SC & HC filters are manufactured from continuous microglass fiber paper media available in various efficiency grades from H12 to H14. The filter media is moisture resistant and fire retardant. Anti-microbial treated papers are also available for special applications. The uniform and closed pleat filter pack provides a large surface to hold very fine dusts

### Filter Frames

Standard frame construction includes fire retardant Wood Particle Board, Galvanized steel (16,18 or 24gauge) or anodized aluminum. High temperature versions are constructed with Stainless steel frames.

### Sealant & Gaskets

The media pack is encapsulated into the filter frame utilizing a two part high density urethane. A flat profile neoprene gasket or a one-piece seamless urethane gasket is used to ensure a leak free seal to the filter housing.

### Media Separators

SC & HC filters, the pleated media is evenly and accurately positioned by corrugated aluminum separators having hemmed edges to add strength and to protect the media pack.

**Filter Testing** The finished filter undergoes a thorough quality check. They are scan tested individually to ensure a leak proof performance and each filter is labeled showing the scan test result on it. We have testing facilities as per EN 779:1822 Standard. Testing of filters can be done according to customer's request.

HEPA SC	HEPA Standard Capacity Rated Airflow @ 1" WG (CFM)			HEPA HC	HEPA High Capacity Rated Airflow @ 1.35" WG (CFM)		
Dimensions ( H x W x D )	99.97% H12	99.99% H13	99.999% H14		99.97% H12	99.99% H13	99.999% H14
24 x 24 x 11.5	1000	1000	800		2000	2000	1600
24 x 12 x 11.5	500	500	400		1000	1000	800
24 x 24 x 5.9	500	500	400		1000	1000	800
24 x 12 x 5.9	250	250	200		500	500	400

- Recommended Final Resistance is twice the initial resistance at rated airflow
- Specify Gasket location ( upstream, downstream or both)



Clean Liquid Systems LLC  
 20150 Kuykendahl Rd #200  
 Spring, TX 77379  
 Ph: 713-253-0100 / 713-253-5001  
 www.cleanliquidsystems.com

Part No.	HEPA HC	HEPA High Capacity Rated Airflow @ 1.35" WG (CFM)		
HEPA High Capacity	Dimensions in inches ( H x W x D )	99.97% H12	99.99% H13	99.999% H14
HEHCAS-E4412G2	24 x 24 x 11.5	2000	2000	1600
HEHCAS-U4412G2	23.3 x 23.3 x 11.5	1900	1900	1500
HEHCAS-E241812G2	24 x 18 x 11.5	1500	1500	1200
HEHCAS-E4212G2	24 x 12 x 11.5	1000	1000	800
HEHCAS-U4212G2	23.3 x 11.3 x 11.5	900	900	750
HEHCAS-E243012G2	24 x 30 x 11.5	2500	2500	2200
HEHCAS-E121212G2	12 x 12 x 11.5	500	500	400
HEHCAS-E4406G2	24 x 24 x 5.9	1000	1000	800
HEHCAS-E4206G2	24 x 12 x 5.9	500	500	400
HEHCAS-E121206G2	12 x 12 x 5.9	250	250	200

Part No. shown are for HEPA filters with Alum Separators with a rating of 99.97 and a typical DTF (Double Turn Flange frame) and a downstream Gasket.

Additional Suffix is added to part no to designate Efficiency i.e. HEHCAS-E4412G2-49 for 99.99%, -59 for 99.999%

PART No. Configuration							
HE =	Frame const	Capacity	AS =	Size	Size Chart	Gasket	Efficiency
HEPA	Blank = Galv	SC= Standard	Alum Separators	E= EXACT	4412= Dims	G1=Upstrm	Blank=99.97
	SS= Stainless	HC=High Capacity		U= Undersized		G2=Dwnstrm	-49 = 99.99
	PB= Wood					G3=both sides	-59 = 99.999

Part No.	HEPA SC	HEPA Standard Capacity Rated Airflow @ 1" WG (CFM)		
HEPA Standard Capacity	Dimensions in inches ( H x W x D )	99.97% H12	99.99% H13	99.999% H14
HESCAS-E4412G2	24 x 24 x 11.5	1000	1000	850
HESCAS-U4412G2	23.3 x 23.3 x 11.5	950	950	800
HEHCAS-E241812G2	24 x 18 x 11.5	750	750	640
HESCAS-E4212G2	24 x 12 x 11.5	500	500	400
HESCAS-E121212G2	12 x 12 x 11.5	250	250	200
HESCAS-E4406G2	24 x 24 x 5.9	500	500	400
HESCAS-E4206G2	24 x 12 x 5.9	250	250	200



Clean Liquid Systems LLC  
 20150 Kuykendahl Rd #200  
 Spring, TX 77379  
 Ph: 713-253-0100 / 713-253-5001  
 www.cleanliquidsystems.com

## HEPA Filters 99.97 and 99.99% efficiency

<b>Filter Media</b>	99.97% Glass Hepa Media 0.3 Micron
<b>Frame Material</b>	18 /16 ga. Galv. Steel 18/16 ga. Aluminized Steel Particle Board
<b>Frame</b>	3/4 x 3/4 Double Turn Flange Box style
<b>Pack Style</b>	10" Pleated Hepa Material Aluminum Separators
<b>Sealant</b>	2 Part Urethane
<b>Gasket Material</b>	Closed Cell Neoprene Gasket Location: Upstream/ Down Stream/Both
<b>Face Guards</b>	20ga. Aluminum Expanded / Optional

Flow Rate vs. Size @ 1.0" W.G.	STD Cap	Hi Cap
24" x 24" x 11.5"	1000 CFM	2000 CFM
23-3/8" x 23-3/8" x 11.5"	945 CFM	1890 CFM
18"x24" x 11.5"	725 CFM	1450 CFM
20" x 20" x 11.5"	850 CFM	1625 CFM
12"x24" x 11.5"	455 CFM	905 CFM
11-3/8"x23-3/8"	425 CFM	850 CFM
12"x12" x 11.5"	205 CFM	410 CFM

**Notes:**

UI 900 Class1 Flammability

**Filter Size "A" x "B" x "C"**

- A = Length
- B = Height
- C = Width



\*\*Glass media HEPA filters can flow either direction. The direction of airflow noted on filter is the direction the filter was tested before leaving the factory.

Specifications are subject to change as continuous research and industry standards make changes over time