Filtrowin Industries

Filtro HEPA SC & HC

Deep Pleated HEPA Filters

Key Features

- Deep pleated Aluminium separator
- Low pressure drop
- Long service life
- Compact and strong construction
- Various frame size with any dimensions
- Easy installation

- **Filter Standard** EN 1822 / IEST-RP-CC001
- **Frame Type** GI / MDF / SS
- **Design Model** DTF / Box type
- **Header** With or without
- **Media** Fiberglass
- **Efficiency** H12 - H14
- **Max. Operating Temperature** 100°C / 212°F
- **Final Pressure Drop** 750 Pa / 3" WG

■ **UL Listed**

Filtro HEPA SC & HC are deep pleated, box -tyle filters with aluminium separators. It is made from micro-fine fiberglass paper media and come with metal frames. Filters are available in H12, H13 and H14 efficiencies. Standard models come in 150mm and 292mm frame depth. Filters are made in Box style and in Double Turn Flange style. MDF frames are made in box construction only.

Construction

Filter Media

Filtro HEPA SC & HC filters are manufactured from continuous length superior quality micro glass fiber paper media available in various efficiency grades. The filter media is moisture resistant and fire retardant. Antimicrobial treated papers are also available for special applications. The uniform, closely pleat filter pack provides high surface area to capture very fine dust particles.

Media Separators

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

Filter Frames

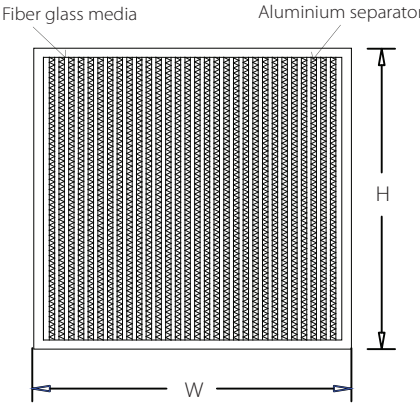
The standard frame construction includes fire retardant Wood Particle Board, Galvanized steel (16,18 or 24gauge) and anodized aluminium. High temperature versions are constructed with Stainless steel frames.

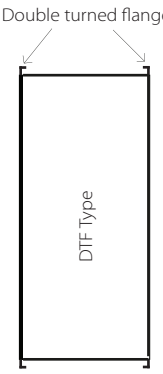
Sealant & Gaskets

The pleated media pack is encapsulated into the filter frame utilizing a two-part high-density fire retardant urethane elastomer. A flat profile neoprene gasket or a one-piece seamless urethane gasket is used to ensure a leak-free seal to the filter housing. High temperature versions are manufactured with ceramic sealant and temperature resistant gasket

Filter Testing

The finished filters undergo thorough quality checking. They are scan-tested individually to ensure a leak proof performance and each filter possesses the label showing the scan test result on it. We have the testing facilities as per EN1822 and American Standard IEST-RP-CC001.3. Testing of filters can be done according to the customer's request.





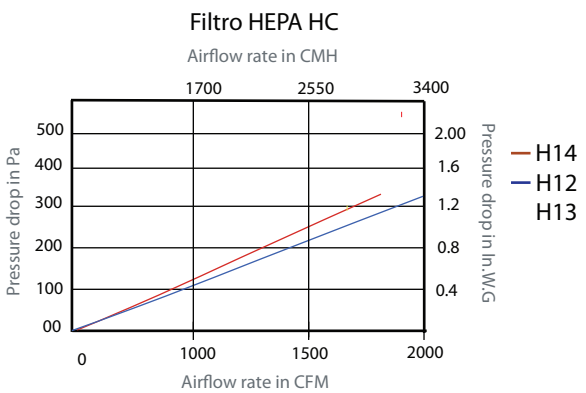
Performance Data

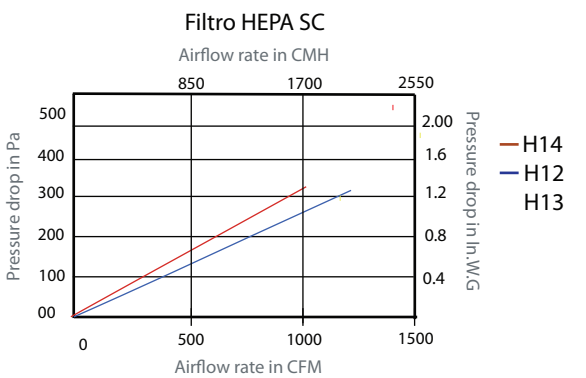
Filtro HEPA HC			Rated Air flow @ 330Pa/1.32"W.G (CMH/CFM)		
Filter Model	Actual size (mm)	Actual size (in)	H12	H13	H14
FHHC-EFF*-24-6	305 X 610 X 150	12 X 24 X 6	850/500	850/500	725/426
FHHC-EFF*-44-6	610 X 610 X 150	24 X 24 X 6	1700/1000	1700/1000	1445/850
FHHC-EFF*-24-11.5	305 X 610 X 292	12 X 24 X 11.5	1700/1000	1700/1000	1445/850
FHHC-EFF*-44-11.5	610 X 610 X 292	24 X 24 X 11.5	3400/2000	3400/2000	2890/1700

Filtro HEPA SC			Rated Air flow @ 250Pa/1"W.G (CMH/CFM)		
Filter Model	Actual size (mm)	Actual size (in)	H12	H13	H14
FHSC-EFF*-24-6	305 X 610 X 150	12 X 24 X 6	425/250	425/250	365/214
FHSC-EFF*-44-6	610 X 610 X 150	24 X 24 X 6	850/500	850/500	725/426
FHSC-EFF*-24-11.5	305 X 610 X 292	12 X 24 X 11.5	850/500	850/500	725/426
FHSC-EFF*-44-11.5	610 X 610 X 292	24 X 24 X 11.5	1700/1000	1700/1000	1445/850

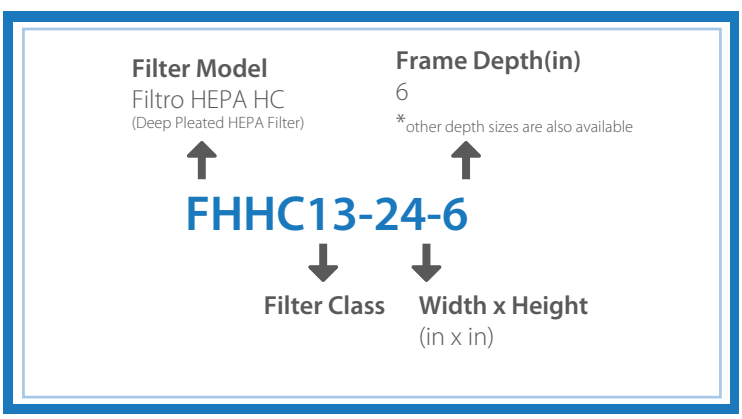
Note: Other size having filter face size 20x24" operates at 80% air volume and filter face 12x24" operates at 50% of air volume of 24x24" . Pressure drop remains the same.

Airflow vs Initial Resistance





Model Details Breakdown



Frame	GI , SS , MDF
Media	Micro fine glass fiber
Separator	Aluminium
Sealant	Polyurethane
Header	Box / Header / DTF
Temperature	100°C / 212°F max. operating temperature
Nominal air flow	3400 CMH / 2000CFM
Final pressure drop	750 Pa / 3" W.G
Efficiency standard	EN 1822 / IEST-RP-CC001

Our Group Companies and Global Network

Aerofil Filters Manufacturing LLC

CLAIRON Quality Air Filters

Aerofil International GmbH