

Main Features:

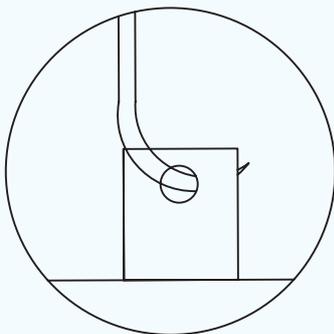
1. Only to replace the filter in room.
2. The HEPA Box can use repeatedly.
3. Easy to replace and installation.
4. Reliably sealing and steady structure.
5. Leak Test for all the filters.

Introducing:

Roomside Replaceable HEPA&ULPA filters are available in efficiency ranges : 95%~ 99.99995%@MPPS (H11~U16) according to EN1822 testing standard. The roomside replaceable HEPA & ULPA filters are made up of a HEPA Box and a Mini-Pleat HEPA&ULPA filter. The HEPA box usually divided into Cover Board , Body , Diffuser plate and so on.

Construction:

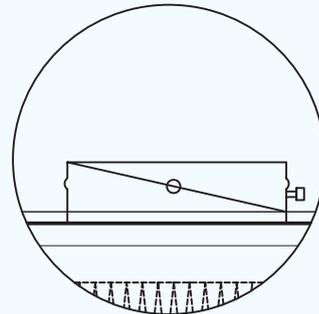
Roomside Replaceable HEPA&ULPA filters use professional adhesive to connect the Body with the Cover Board for avoiding leakage . Four hooks on each corner of the Cover Board was used for installation with the screw rod which made the housing install on the library board steady .



Hook

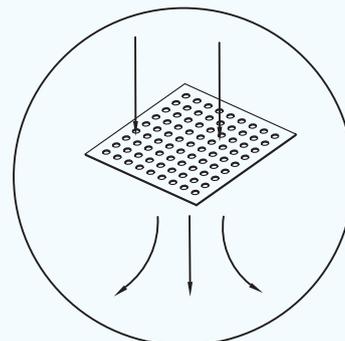
The air inlet unit on the Cover Board usually is cylindrical bobbin, that was easy to connect with

the supply air duct . Air valve adjustment on the air inlet are available , that can control air volume rate ,which have the effect of adjusting the filter surface wind speed.



Air valve adjustment

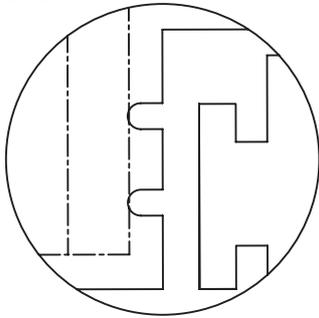
Diffuser plate between the air inlet and the filter made the air diffusion around the enclosure , that ensure the air through the filter uniformly . This design ensure the filter won't be failure on account of too big local air volume.



Diffuser plate

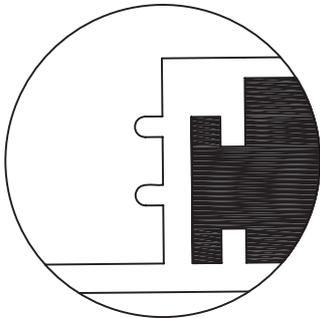
Roomside Replaceable HEPA & ULPA filters

have good leakproofness to ensure the filters can pass the DOP test . First , there are two channel on the aluminium profile to connect with the filter gasket . If one channel have leakage , another one can continuously ensure effectiveness.

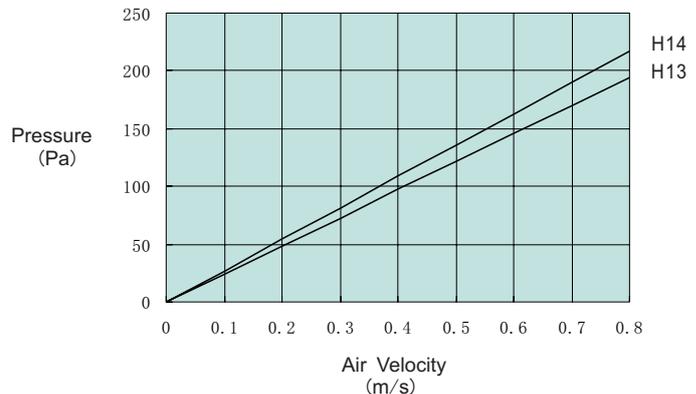
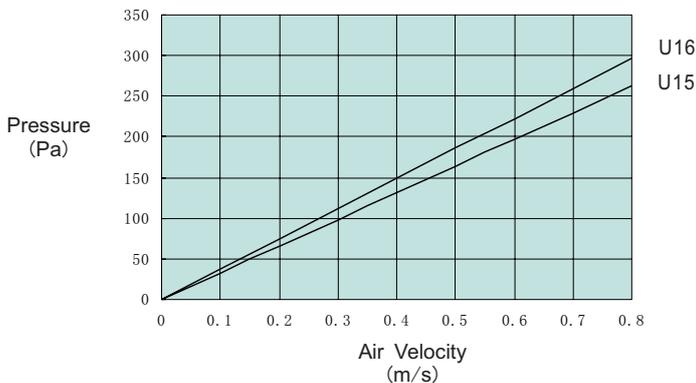


Double channel seal design

Second , the whole flat-fell seam place of the HEPA Box use professional polyurethane adhesive to seal. High quality of liquidity can ensure the adhesive go into the seam completely, that the HEPA Box can avoid leakage. Also the adhesive can providing strength , that ensure the HEPA Box not easy to damage.



polyurethane adhesive sealant



Roomside Replaceable HEPA&ULPA filters use extruded anodized aluminum profile to protect the frame does not corrode;Insulation all around the extruded anodized frame made by PE foam, which was used for preventing water condensation on the frame surface .Also B2 Flammability rating of the PE foam are available ,that according to the DIN 4102 standard.

Operating Conditions

- ※ Temperature: $\leq 70^{\circ}\text{C}$
- ※ Humidity: $\leq 100\% \text{RH}$

Option:

- 1.Galvanized sheet, Stainless steel , Aluminum sheet Cover Board are available
- 2.Different sizes of the inlet are available
- 3.Low boron media is available
- 4.Dove tailed CR, EPDM, EVA gasket are available.
- 5.Aluminum mesh, Painted Expanded Metal face guard on upstream or downstream are available.
- 6.EN1822 Test for all the filters are available.

Technical Parameters

Roomside Replaceable HEPA Filter

Housing WxHxD (mm)	Filter WxHxD (mm)	Area (m ²)	Efficiency	Airflow (CMH)	Initial Pressure (Pa)	Airflow (CMH)	Initial Pressure (Pa) ※
600x600x180	560x560x70	9. 15	H13	395	85	510	110
			H14		95		125
610x610x180	570x570x70	9. 50	H13	410	85	525	110
			H14		95		125
915x610x180	875x570x70	14. 91	H13	625	85	800	110
			H14		95		125
1210x600x180	1170x560x70	19. 71	H13	825	85	1060	110
			H14		95		125

Roomside Replaceable ULPA Filter

Housing WxHxD (mm)	Filter WxHxD (mm)	Area (m ²)	Efficiency	Airflow (CMH)	Initial Pressure (Pa)	Airflow (CMH)	Initial Pressure (Pa) ※
600x600x180	560x560x70	7. 99	U15	395	115	510	145
			U16		130		165
610x610x180	570x570x70	8. 26	U15	410	115	525	145
			U16		130		165
915x610x180	875x570x70	12. 89	U15	625	115	800	145
			U16		130		165
1210x600x180	1170x560x70	17. 08	U15	825	115	1060	145
			U16		130		165

※ Recommended final pressure: 600Pa

※ Pressure range 15%

※ Above parameters for your reference only, please consult our technical person regarding the detailed specific parameters difference.

※ Different size and specification are available.