OZONAir

HEPA FILTER BOX
OHFB



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AIR FILTRATION SYSTEMS

Specifications

- Filter seal-leak test (DIN 1946)
- Measurement of pressure drop from room side
- Available air flow adjustment damper fitted to the spigot
- Available in various construction and dimensions (according to type of diffuser, total dimensions can be changed)
- Easy to remove air outlets
- Available paint coated, aluminium or stainless steel
- Central fixing for diffuser optional
- Low overall height



Applications

Hospitals; Operating theaters and operating side rooms, intensive care, isolation stations, sterile zones etc. L aboratories; Clean zones and working places, exhaust air filtration of toxic aerosols. Industry; Electronic, optical, pharmaceutical, food and chemical industries.



Main demands of the clean room technology and especially in its pharmaceutical applications is the air-conditioning and also accordingly the air quality. Air distribution is generally made through the HEPA filter installed to its housing.
Therefore, selection and assembling the HEPA filter to its housing without leakage is very important. HEPA Filter Housing consists of 3 main parts, which are the box, filter and the diffuser. Box has a duct connection port for air inlet at the top or at the sides. On the room side the diffuser can be selected either with special vanes adapted to cleanrooms or with a perforated plate. Filters can be chosen according to the room Class from E10 to U17. HEPA Filter Boxes weights between 12 kg and 47 kg according to the construction type. All HEPA Filter boxes are tested for leakages with test groove system.

To track filter working conditions, HEPA boxes have nozzles for differential manometer connections.
Test grooves that face the HEPA filter gasket achieves air tightness according to DIN 1946 Part 4. Inside of the housing can be easily disinfected and will not be effected from disinfection chemicals.

Filter Model	Box Dimensions (mm)	Hepa Filter Dimension (mm)	Difuser Dimension (mm)
OHFB-SY-E1A-592x592x400-T/P	627 x 627 x 400	610 x 610 x 78	650 x 650
OHFB-SY-D2A-474x474x400-T/P	474 x 474 x 400	457 x 457 x 78	500 x 500
OHFB-SY-C3A-322x322x400-T/P	322 x 322 x 400	305 x 305 x 78	350 x 350

OHFB-SY-E1A-627x627x400-H10/S

Product Type: OHFB:
Hepa filter box

Box Marerial:
S: Stainless Steel
P: Painted galvanized steel
A: Aluminium raw

Duct connection side:
X: Top Inlet
Y: Side Inlet

Spigot Diameter:
A: 125 E: 250
B: 150 F: 300
C: 160 G: 315
D: 200

Filter Dimensions (WxHxD) mm:
1: 610x610x78 6: 305x610x78
2: 457x457x78 7: 610x762x78
3: 305x305x78 8: 610x915x78
4: 592x592x78 9: 610x1220x78
10: Special dimension and height of the filter

Filter Frame Type
A: Aluminium
M: MDF

Dimension (WxHxD)(mm)

Filtration class: H10, H13, H14.....

Diffuser Type:
S: Swirl;
P: Perforated
G: 4-Way diffuser