



### 1 Product overview

HEPA box is a special and ideal terminal HEPA filter device for clean rooms class 100, class 1000 and class 10,000 clean air-conditioning systems, mainly composed of static pressure box, diffuser, HEPA filter, flanger and damper.

### 2 Reasonable air distribution

KLC HEPA box adopts newest advanced technology from Japan which makes the airflow's distribution more reasonable. Wide option of diffuser to provide different kinds of air distribution to suits different needs from clients.

### 3 Well-designed diffuser

According to the principle of aerodynamics, designers carefully designed the diffuser plate to ensure that the air jet speed to prevent the product from create eddy current.

### 4 Flexible air supply

The flange has the square and round style, compact structure, reliable sealing, and insulation cotton can be provided.

### 5 Good sealing

The general HEPA box adopts endless joint PU foam gasket and DOP HEPA box adopts the gel seal HEPA filter with better sealing, which offer good air tightness.

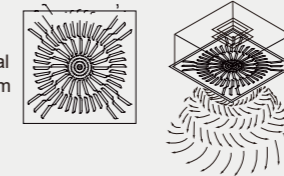
### 6 Convenient air leakage test

HEPA box with DOP monitoring port and injection port can be tested after installed in time, it can check the leakage of gasket, frame and glass fiber media.

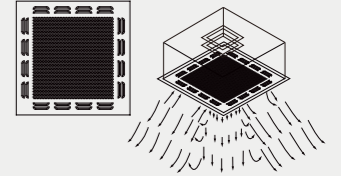
Item	General HEPA Box			DOP HEPA Box		
Model	HU-500	HU-1000	HU-1500	HUDOP-500	HUDOP-1000	HUDOP-1500
Material	Cabinet / diffuser / damper: Powder coated steel / Stainless steel					
Cabinet size (W*L*Hmm)	390x390x380	554x554x380	680x680x380	400x400x400	574x574x400	700x700x400
Flange size (A*Bmm)	200x200	320x200	400x200	200x200	320x200	400x200
Air flow (m³/h)	500	1000	1500	500	1000	1500
Filter size (W*H*Dmm)	320x320x96	484x484x96	610x610x96	346x346x90	510x510x90	636x636x90
Filter model	Mini-pleat HEPA filter					
Filter efficiency	99.99%@0.3µm					

#### Obvious advantage

Diffuser compare: The circumfluent diffuser can form an internal and external round type air flow, maximum take away the dusts.



The traditional diffuser is possible to form dead ends, cannot thoroughly collect all dust into the air circulation.



### Optional Configuration

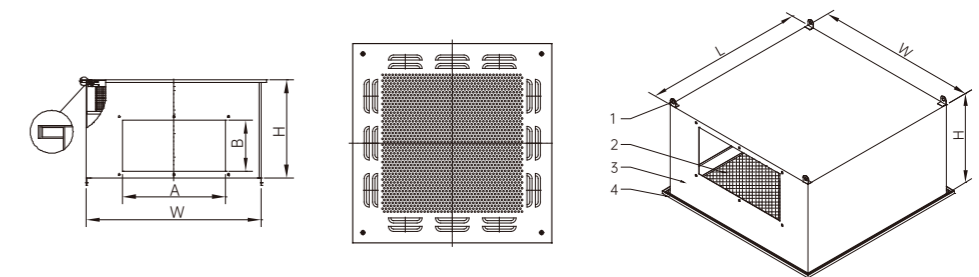
- Full perforated diffuser
- Circumference diffuser
- Damper
- Room side adjustable damper
- Air supply at top/side
- Differential pressure gauge
- Extruded aluminum cabinet
- HEPA filter



### Parameter

#### General HEPA Box

1. Hanging ring
2. KLC brand HEPA filter
3. Cabinet
4. Diffuser



#### DOP HEPA Box

1. Hanging ring
2. Flange port
3. KLC brand gel-type HEPA filter
4. Cabinet
5. Diffuser
6. Air diffuser plate
7. Aerosol diffusion tube

