

1a. M-AHU-BE: AHU MESP Air Purifier



MESP®
Technology

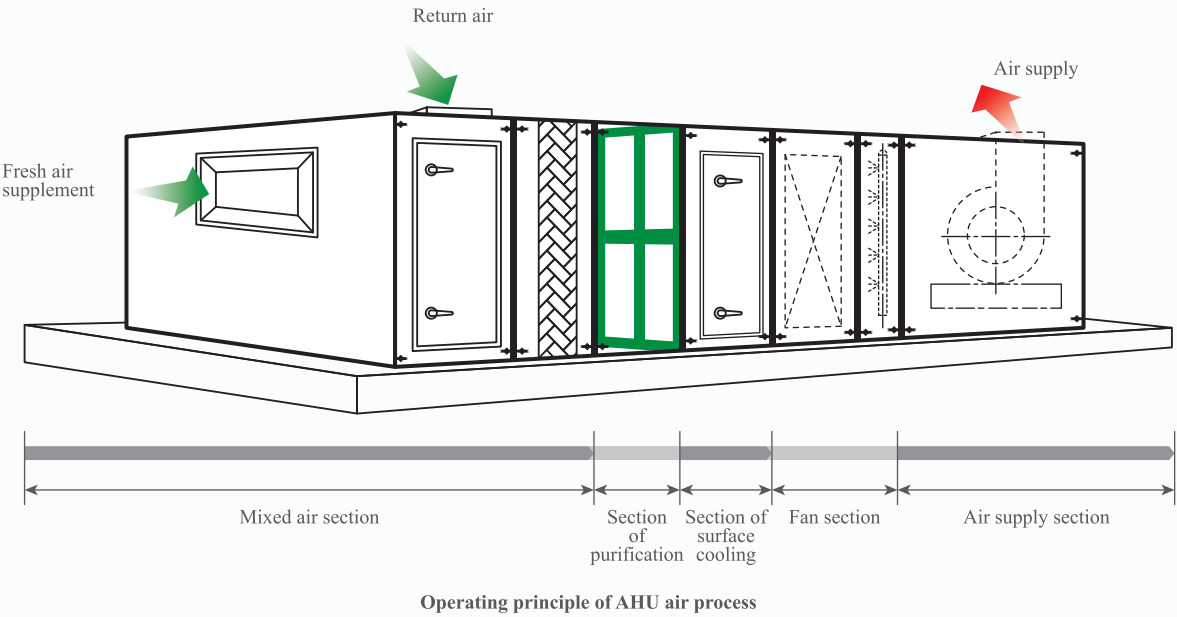
This product is used to replace traditional bag filters in AHU and can also be installed in air ducts. It can also disinfect indoor air while effectively removing air particles.

Higher ventilation area ratio; Higher one-time purification efficiency; Lower pressure drop



Product Feature

- Replace traditional bag filter section of AHU, low air pressure drop.
- One-time purification efficiency is up to 95%.
- Can be washed repeatedly.
- Thicker MESP module to ensure better dust removal/ disinfection efficiency.
- Module design to ensure higher coverage rate.
- Low pressure drop and energy consumption.
- Can operate in high humidity environment.
- Supported by multiple certifications.
- Easy to maintain.
- Prax smart power module to ensure stable electricity output, high dust removal rate.



MESP
Technology



0 material
washable filter



High Efficiency
Sterilization
and purification



Low energy
consumption



Low pressure
drop



Modular
assembly design

Specification Parameter

Model	M-AHU-BE-22	M-AHU-BE-44	M-AHU-BE-13	M-AHU-BE-26
Description	Single MESP Unit	Single MESP Unit	Single MESP Unit	Single MESP Unit
Dimension (W × H × D) (mm)	354x610x150	680x610x150	215x610x150	402 x 610 x 150
Rated Airflow (m³/h) @ 90% PM2.5 Efficiency	2200	4400	1300	2600
Rated Airflow (m³/h) @ 98% PM2.5 Efficiency	1700	3400	1100	2200
Power Supply (V/Hz)	100-240~50-60			
Rated Power (W)	9	16	9	16
Pressure Drop (Pa @ 2.5 m/s)	≤ 50			
Disinfection Method	Electrostatic Sterilization			
Certification	UL/MERV 16			
Microbial Purification Efficiency (%)	Up to 98 (Staphylococcus albus)			
Status Indication	Running			
Optional Components	Wiring Box/ Control Box/ M7 activated carbon Filter			
Weight (Kg)	9	14	7	10



M-AHU-BE-22



M-AHU-BE-44



M-AHU-BE-13



M-AHU-BE-26

Air Volume - Air Resistance Air Volume - Efficiency Curve

