

1b. M-AHU-G: AHU Electronic Air Cleaner



Best Alternative To Bag Filter: Electronic Air Cleaner for Fresh Air AHU

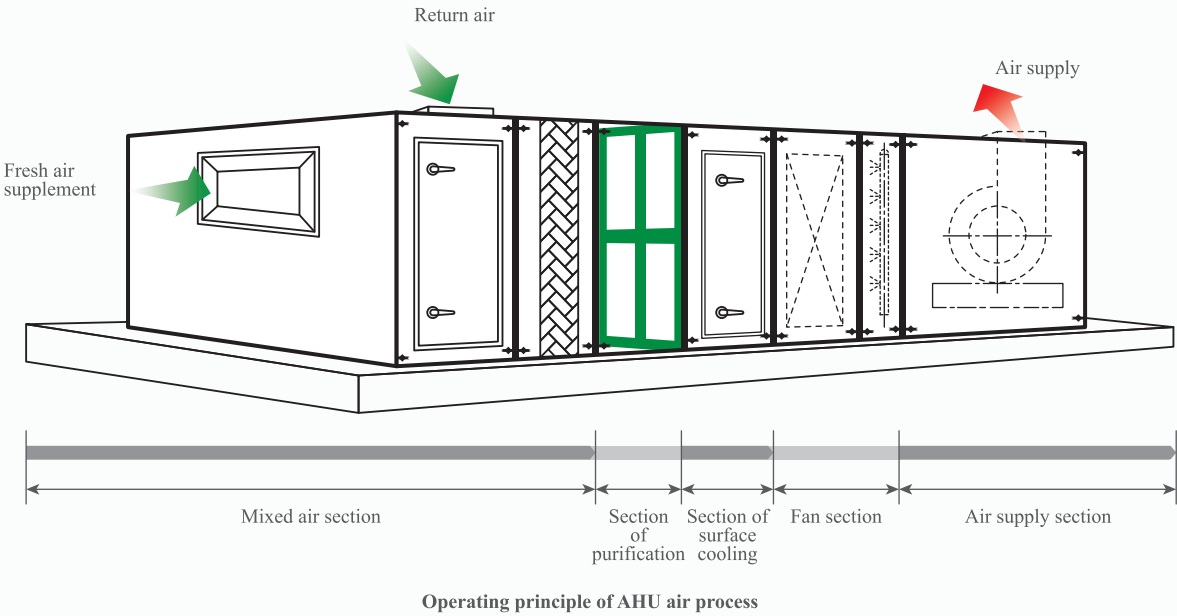
The M-AHU-G AHU Air Cleaner, powered by MESP® Plus Technology, this advanced air cleaner features a double-stage micro electrostatic precipitation (MESP) system, delivering superior filtration without the drawbacks of conventional filters. With a MERV15/F9 efficiency rating, it captures ultrafine particles as small as 0.01µm, significantly improving indoor air quality.

Unlike traditional disposable filters, the M-AHU-G Air Cleaner is fully washable and reusable, requiring cleaning only every 6–12 months. With a lifespan of up to 10 years, it reduces waste and operational costs, making it an environmentally friendly and cost-effective choice.



Product Feature

- Superior Purification Efficiency: MERV15/F9-rated, achieves >99% filtration rates, meeting stringent air quality standards for cleanrooms and industrial settings.
- Extended Maintenance Cycles: Optimized design allows up to 12-month washing cycles under moderate conditions (fresh air <25%, runtime <10 hours/day).
- Compact and Lightweight Design: 30% smaller and lighter than conventional air filtration systems, making installation and retrofitting easier.
- Cost-Effective and High-Performance: Optimized for long-term savings with superior dust-holding capacity, ensuring efficient filtration with minimal operational costs.



MESP-Plus



Safe



Low consumption & energy conservation



Washable filter



Large-Area Dust Collection Area



Remove PM, Kill viruses & Bacteria

Specification Parameter

Model	M-AHU-G-AE-17	M-AHU-G-AE-34
Description	Single MESP Unit	Single MESP Unit
Dimension (W × H × D) (mm)	370*610*280	680*610*280
Rated Airflow (m³/h) @ 99% PM2.5 Efficiency	1700	3400
Rated Airflow (m³/h) @ 95% PM2.5 Efficiency	2600	5200
Input Power Supply (V/Hz)	220-240/ 50-60	220-240/ 50-60
Rated Power (W)	30	40
Pressure Drop (Pa @ 2.5 m/s)	≤ 55	≤ 55
Microbial Purification Efficiency (%)	Up to 99	Up to 99
Switch Type	On-Off Bridge Switch	On-Off Bridge Switch
Status Indication	Running, Cleaning, Failure	
Equipment Weight (Kg)	16	25
Pre Filter	46mm Metal Prefilter	
Safety Configuration	Safety Switch + Airflow Sensor	
Optional Components	Wiring Box / Control Box / M7 activated carbon Filter	
BMS Port	Passive Dry Port of Failure, Cleaning	

