

3. M-FCU: FCU Air Sterilizing Purifier



0 space occupation, 0 material consumption, 0 noise

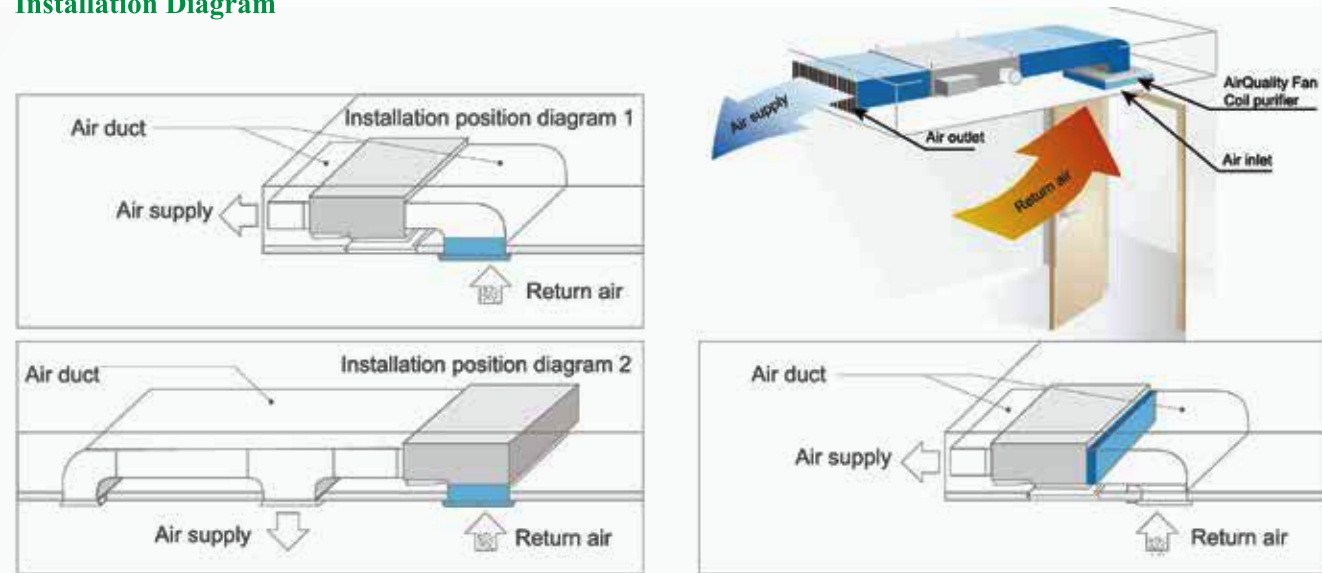
Low pressure drop, high PM removal efficiency, perfect for fan coil return air purification and disinfection



Product Feature

- Remove 99% of PM2.5, methanal, influenza virus and other air pollutants.
- Concealed in return air inlet of central AC without affecting decoration and occupying floor space.
- Low pressure drop.
- 3-D air circulation.
- Reduce energy consumption by maintaining good performance.
- Intelligent control, linked to fan coil, the device runs when there is air flow and stops when there isn't.
- Can be applied to both fluorine and water AC systems.

Installation Diagram



MESP
Technology



Washable and
reusable filter



Remove PM
viruses and bacteria



Low energy
consumption



Low pressure
drop



3-D
air circulation

Specification Parameter

Model	M-FCU-06A	M-FCU-12A	M-FCU-07A	M-FCU-07B
Dimension (W x H x D mm)	280*550*72	523*550*72	232*950*78	225*1000*140
Applicable Air Volume (m³/h)	610	1220	700	700
Cleaning Efficiency for PM2.5 (%)	Up To 99			
Cleaning Efficiency of Microorganism(%)	Up To 99 (Staphylococcus albus)			
Pressure Drop(Pa @1.0m/s)	10			
Disinfection Method and Certification	Electrostatic Sterilization(Sterilizer Certification)			/
Power Supply(V/Hz)	110-240~/50-60			
Rated Power(W)	4.5	8	6	6
Status Indication	Running			
Weight(Kg)	5	7	6.5	9

Model	M-FCU-05A2	M-FCU-07A2	M-FCU-09A2	M-FCU-10A2	M-FCU-14A2	M-FCU-05B2	M-FCU-07B2	M-FCU-09B2	M-FCU-10B2	M-FCU-14B2
Dimension(W x H x D mm)	241*660*90	241*800*90	241*960*90	241*1170*90	241*1470*90	241*700*145	241*870*145	241*1000*145	241*1204*145	241*1504*145
Applicable Air Volume (m³/h)	510	680	850	1020	1360	510	680	850	1020	1360
Cleaning Efficiency for PM2.5 (%)	Up To 99					Up To 99				
Cleaning Efficiency of Microorganism (%)	Up To 99 (Staphylococcus albus)					Up To 99 (Staphylococcus albus)				
Pressure Drop (Pa @1.0m/s)	7.5					7.5				
Disinfection Method and Certification	Electrostatic Sterilization (Sterilizer Certification)					/				
Power Supply(V/Hz)	110-240~/50-60					110-240~/50-60				
Rated Power(W)	5	5.5	6	7	8	5	5.5	6	7	8
Status Indication	Running					Running				
Weight(Kg)	4.5	6	6.5	8	9.5	5.5	6	7	8.5	10

Model	M-FCU-05A3	M-FCU-07A3	M-FCU-09A3	M-FCU-10A3	M-FCU-14A3	M-FCU-05B3	M-FCU-07B3	M-FCU-09B3	M-FCU-10B3	M-FCU-14B3
Dimension (W x H x D mm)	241*660*34	241*830*34	241*960*34	241*1170*34	241*1470*34	242*700*110	242*870*110	242*1000*110	242*1204*110	242*1504*110
Applicable Air Volume (m³/h)	510	680	850	1020	1360	510	680	850	1020	1360
Pressure Drop (Pa) (@1.0m/s)	5					5				
Microbial Circulation Removal Rate (%)	Up To 99.9 (Staphylococcus albus)					Up To 99.9 (Staphylococcus albus)				
Disinfection Time (min)	60					60				
Power Supply (V/Hz)	110-240~/50-60					110-240~/50-60				
Rated Power (W)	5	5.5	6	7	8	5	5.5	6	7	8
Status Indication	Running					Running				
Weight (Kg)	3.5	4	4.5	5	6	4.5	5	5.5	6	7

Note: 1. Product implementation standard: GB 15982-2012, WS/T 648-2019, (Technical Specifications for Disinfection» {Ministry of Health of China, 2002}, Q31/0113000146C002-2021(1), GB/T 14295-2019, GB/T 34012-2017, GB 4706.1-2005, GB 4706.45-2008 (2). 2. The dimension, rated power, weight, negative ion content and other data are measured by AirQuality laboratory for reference only. 3. M-FCU series are standard equipped with air flow sensor (suitable for A/C both with fluorine system or water system), M-FCU-A/K1./A3 series is external, M-FCU-B2/B3 series is built-in. MB formaldehyde filter can be optional for all series {formaldehyde removal rate >90%}. The pre filter for M-FCU-A3/B3 series is an optional part, and can also be added with negative ion generator to further improve the purification effect.

