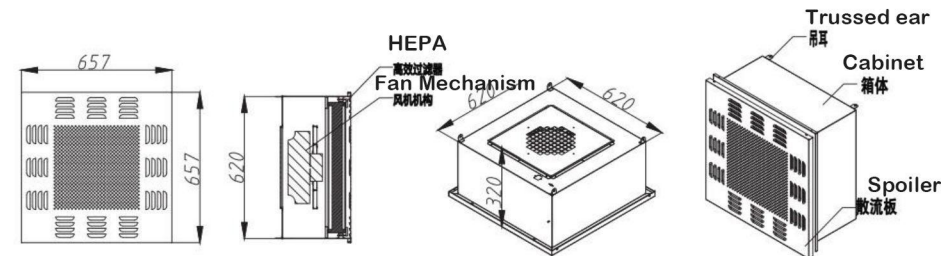


FFU Filter Unit Series



Primary filter

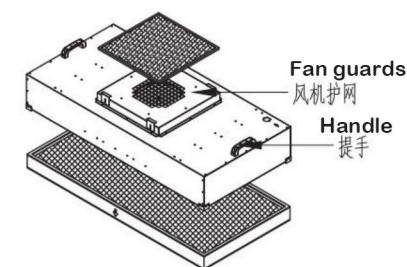
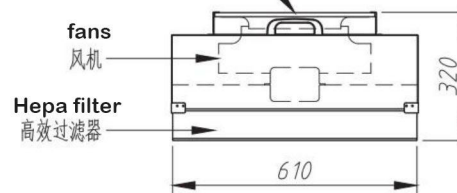
初效过滤器

fans

风机

Hepa filter

高效过滤器



Technical Description

- Adopting induction speed control design, maintenance-free, small vibration, low noise.
- Before leaving the factory, they are all scanned and tested with dust particle counter one by one according to the international standard ISO14644-1 to ensure the quality, and can be controlled by thousands of units in a row, which reduces the incidence of malfunction.
- High energy-efficiency ratio and small heat generation, so that the heat generation in the additional working environment area can be further reduced. Especially suitable for assembling into ultra-clean production line, can be arranged according to the needs of the process for single use, but also with the installation of more than one tandem open into a 100-level assembly line.
- The fan adopts direct-driven high-efficiency centrifugal fan, and the shell structure is made of stainless steel and aluminum-zinc-plated plate, which is light in weight, corrosion-resistant, rust-resistant and beautiful.

Parameters

Model number	GCC-FFU500	GCC-FFU600	GCC-FFU900	GCC-FFU1000	GCC-FFU1200	GCC-FFU2000
Module Size (WxLxHmm)	575×575×230	615×615×230	920×615×230	1175×575×230	1225×615×230	1175×1175×260
Static pressure box	A3 cold plate spraying/aluminum zinc plate/stainless steel					
Air volume(m³/h)	500	600	900	1000	1200	2000
Fan Model	#315	#400	#400	#400	#400	#470
Average wind speed (m/s)	0.3~0.5	0.3~0.5	0.3~0.5	0.3~0.5	0.3~0.5	0.3~0.5
Static pressure outside the machine(Pa)	190(10mmAq)	190(10mmAq)	190(10mmAq)	190(10mmAq)	190(10mmAq)	190(10mmAq)
Power(W)	120	120	120	200	200	230
Weight(kg)	21	23.5	31.5	37	40.5	50
Noise dB (1m below vertical efficiency)	55-63	55-63	55-63	55-63	55-63	57-63
HEPA Parameters	Dimension(WxLxHmm)	570×570×69	610×610×69	915×610×69	1170×570×69	1220×610×69
	Efficiency	99.99%@0.3μm	99.99%@0.3μm	99.99%@0.3μm	99.99%@0.3μm	99.99%@0.3μm
	Frame	High Quality Aluminum				
Fan parameters	Initial pressure loss	110Pa@0.45m/s	110Pa@0.45m/s	110Pa@0.45m/s	110Pa@0.45m/s	110Pa@0.45m/s
	Power supply(V/Hz)	220/50	220/50	220/50	220/50	220/50
	Form	Aluminum Turbofan				
	Vibration coefficient (mm/s)	0.2~0.5	0.2~0.5	0.2~0.5	0.2~0.5	0.2~0.5

Note: In addition to the above dimensions, we can accept non-standard customization.

Product Features

- The fan adopts direct-drive high-efficiency centrifugal fan, with long life, low noise, maintenance-free, small vibration, stepless speed regulation and other characteristics, fan quality and reliable, long working life of tens of thousands of hours or more.
- Especially suitable for assembling into ultra-clean production line, can be arranged according to the needs of the process for a single use, but also with the installation of more than one set of tandem open into a 100-level flow of small assembly line.
- The shell structure is made of stainless steel, aluminum alloy and cold-rolled steel plate, which is light in weight, corrosion-resistant, rust-proof and beautiful.
- Before leaving the factory, the products are scanned and tested with dust particle counter according to the U.S. Federal Standard 209E to ensure the quality.

Group Control Management System Expanded Diagram Functional Description

- Solve the industry problem that AC FFU is difficult to realize large-scale control, perfect function, industry leading.
- Multi-work area grouping control, can be distributed on different floors or plants within the FFU sub-work area management, the same work area within the room grouping management, clear hierarchy, powerful.
- RS-485 communication mode, integrated hardware configuration, less system investment, easy installation.
- Centralized control of FFU start, stop, speed control, timing, convenient, energy saving, Automatic speed display, fault alarm, real-time positioning and diagnosis of error messages.
- Automatic grouping sequence delayed start, to avoid large-scale simultaneous start of the system on the user's power system impact. Password management system with four levels of operating privileges.
- easy to use, management in place humanized multi-language version.
- support for Simplified Chinese, English, Traditional Chinese display.
- suitable for users in different countries and regions!

