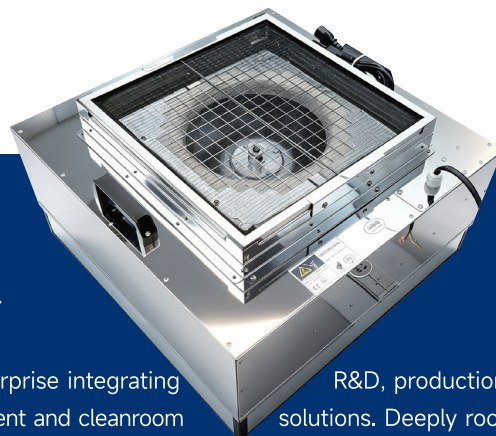


FFU Fan Filter Unit

Professional Purification Equipment and Cleanroom Solution Provider

Founded in 1999, Shanghai Anping Static Technology Co., Ltd. is a high-tech enterprise integrating R&D, production, sales, and technical service, as well as a professional provider of purification equipment and cleanroom solutions. Deeply rooted in the fields of static electricity control and cleanroom environment, the company provides integrated solutions covering static analysis, intelligent monitoring, and static elimination. Its products are widely applied in industries such as electronics, semi-conductors, pharmaceuticals, printing, packaging, textiles, and plastic films. Upholding professionalism and dedication, we continue to create value for partners with high-quality products and services.



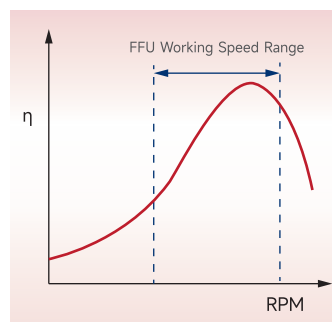
■ What is FFU

FFU (Fan Filter Unit) is a terminal purification air supply device equipped with its own power source and dual primary / HEPA filtration. By pulling and blowing air via an integrated fan, it efficiently filters airborne particles and evenly outputs clean air to achieve dust-free environment control, operating either independently or in networked clusters.

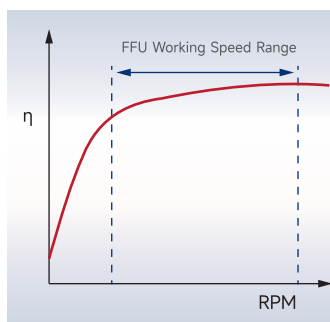
■ Application Fields

Widely used in cleanrooms, ultra-clean production lines, laminar flow hoods, and other scenarios, it serves as core equipment for industries with high cleanliness requirements, such as electronics, pharmaceuticals, biotechnology, and lithium batteries.

■ Comparison between AC and DC Performance



AC Motor Operating Curve



DC Motor Operating Curve

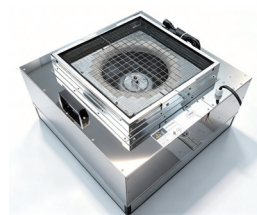
AC Motor Characteristics:

when operating near synchronous speed, but efficiency drops sharply under light loads or when speed approaches synchronous limits, resulting in poor speed regulation performance.

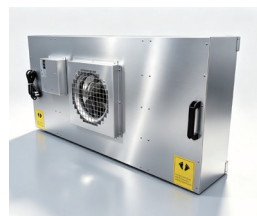
DC Motor Characteristics:

DC motors feature a wide high-efficiency range and operate properly across all speeds, making them ideal for applications requiring smooth, wide-range speed adjustment.

■ FFU Fan Filter Unit



Product Name	PF202-G-AC-485
Power Supply	AC220V/50Hz
Casing Material	Galvanized sheet, painted sheet, 304 stainless steel
Air Volume	700(m³/h)



Product Name	PF204-G-AC-485
Power Supply	AC220V/50Hz
Casing Material	Galvanized sheet, painted sheet, 304 stainless steel
Air Volume	1200(m³/h)

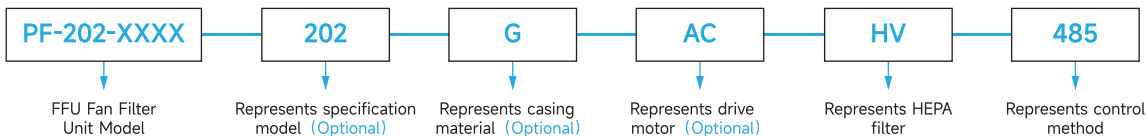


Product Name	PF404-G-AC-485
Power Supply	AC220V/50Hz
Casing Material	Galvanized sheet, painted sheet, 304 stainless steel
Air Volume	5000(m³/h)

■ Product Configuration

Casing Material		Drive Motor		HEPA Filter		Control Method	
☐ Galvanized sheet (Default Standard)	G	☐ Domestic AC 3-speed motor (Default without RS485 communication)	AC	☐ Domestic fiberglass (Lifespan: 12 months) (Default Standard)		☐ Single unit control	
☐ Painted sheet	P	☐ Domestic brushless DC motor	EC	☐ HV long-life HEPA filter (Lifespan: 2-3 years)	HV	☐ Cluster control	485
☐ 304 Stainless steel	S	☐ External rotor motor	O				

Model Naming Convention of Anping Static FFU Fan Filter Unit



■ Technical Specifications

Model		PF-202-G-AC-485	PF-204-G-AC-485	PF-404-G-AC-485
Casing Dimensions		575 x 575 x 250	1175 x 575 x 250	1175 x 1175 x 250
Air Velocity (m/s)		0.45	0.45	0.45
Air Volume (m³/h)		550	1200	2200
Noise Level (dB/A)		50	52	56
Power (W)		150	150	350
Power Supply		AC220V / 50Hz		
Cleanliness Class	☐ Standard Version	Class 100 (0.3-0.5µm)		
	☐ High-End Custom	Class 10 (0.1-0.2µm)		
Single unit control		3-speed controller		
Cluster monitoring (Optional)	☐ Touch screen	Controls up to 250 units		
	☐ PC Terminal	Controls up to 2500 units		

注：可按需定制非标尺寸，适配各类特殊工况。

■ Product Configuration

