

TIME & ECOLOGY
AMANO

Powder Collector
For Pharmaceutical and Food Plant



FP-N SERIES

Static Pressure 5.0 kPa Medium Pressure Type
Filter box washable with water



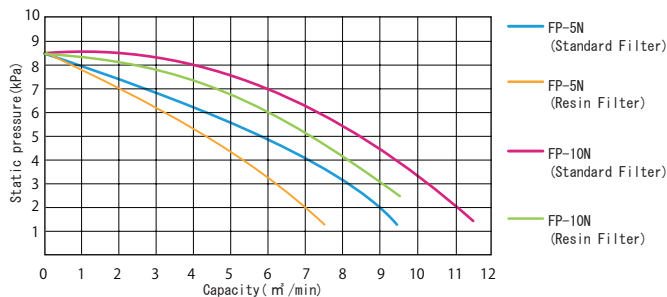
Specifications

Model		FP-5N						FP-10N						
Filter		Standard			Resin			Standard			Resin			
Power supply		3-phase 50/60Hz common use												
Motor (kW)		1.5						2.2						
Capacity	(m ³ /min)	0	5.0	8.0	0	3.2	6.0	0	8.0	10.0	0	6.5	8.0	
	(cf/min)	0	176	282	0	113	212	0	282	353	0	230	282	
Static pressure (kPa)		8.5	5.5	3.2	8.5	6.1	3.1	8.5	5.5	3.4	8.5	5.6	4.2	
Noise (dB[A])		72±2 or less												
Filter	Area	(m ²)	4.5			2.6			4.5			5.2		
		(sf)	48.4			28			48.4			56		
	Quantity	2			4			2			8			
	Material	Polyester			Polyethylene			Polyester			Polyethylene			
	Shape	Molded cartridge												
Heatproof temperature (°C)/(°F)		40 / 104 or less												
Dust off	Method	Auto Pulse Jet												
	Pilot valves (Quantity)	2												
	Compressed air consumption (L/min)	20						30						
Bucket volume (L)		20						37						
Power Cord (m)		Option (4-core)												
Inlet diameter (mm)		φ 100												
W × D × H (mm)		617 × 966 × 1487			617 × 966 × 1472			617 × 966 × 1487			753 × 1071 × 1472			
Weight (kg)※		190			195			200			230			
Surface finish		All SUS electropolishing finishing												
Note		HEPA filter (Option)												
Ambient temperature(°C)/(°F)		0~40 / 32~104												
Allowable suction air temperature(°C)/(°F)		0~40 / 32~104												

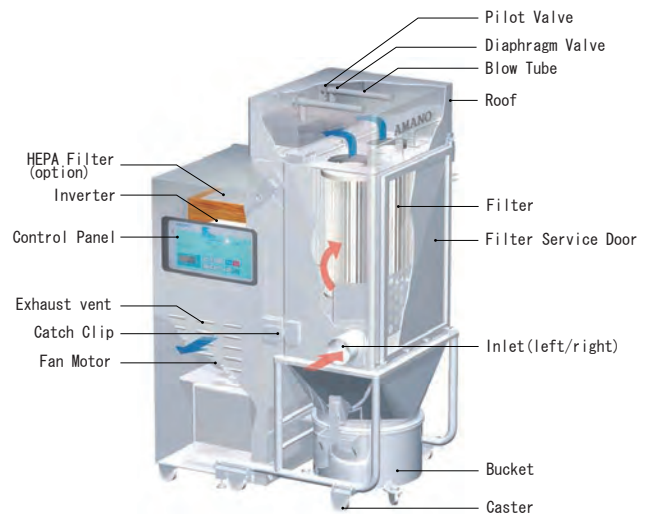
※Listed figures apply to standard specification only. Those figures may change depending on custom requirements.

※Inlet is installable either left or right. The other side will be covered by a blindfold board.

Performance curve



Internal design



For Your Safety

- Be sure to read the instruction manual thoroughly before getting started, and use the machine correctly.
- Do not suction the following materials:
 - Flammable materials... gasoline, thinner, benzene, kerosene, paint, etc.
 - Explosive materials... aluminum, magnesium, titanium, zinc, epoxies, etc.
 - Sparks... sparks, or dust that contains sparks
 - Fire remains... cigarette stubs, ashes, etc.
 - Other... water, oil, liquid chemicals, etc.
- This product is not an explosion-proof type. Do not install the machine in hazardous areas specified by laws.
- Do not operate the machine in areas exposed to mist, fumes or gases that are inflammable, explosive or corrosive.
- Please comply with regulations stipulated by law and/or ordinances that are applicable to product installation.
- The ambient temperature range is from 0°C to 40°C.
- Be sure to ground the machine to protect against electric shock.
- Do not throw water on electrical components.
- Do not connect and remove the power plug with wet hands.

- If there is a danger of suctioning sparks when collecting flammable dust from polishing work and so forth, consult with your branch or sales office to select the appropriate model.
 - When suctioning dust that includes sparks while doing work that produces metal cut chips, install the spark processing mechanism. (DB series, etc.)
 - Be sure to use pipes with the appropriate diameter and make them as short as possible according to dust collection conditions so that dust will not accumulate in them.
 - Dispose of collected dust daily. Do not allow dust to accumulate in the bucket.
 - Note
 - If the machine is installed in a clean room, please go over a collecting method of powder particles in a bucket and density of exhaust etc before use.
 - The motor is operated by an inverter control at 120Hz.
 - Do not use a cleaning brush but a soft sponge when you clean a resin filter.
 - Dust explosion pressure diffusion type is not available in this model.
 - Not all dusts collected by the machine is reusable.
- Please note that dusts may need to be separated depending on conditions.

Specifications and descriptions contained in this catalog may be subject to change without notice.

Please direct any questions to:

Digital data only

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