

PiF-75/120/150 – Middle Air Volume Intelligent Dust Collector –



Amano Puls Jet dust collectors PiF series are fully automated functions and dependable operation for any type of dust collection applications such as cutting, drilling, mixing, loading, and many other works. It suite for the automotive industry, chemical manufacture, electronic manufacture, and many other industrial applications.



Molded filter



Pulse jet



General dry dust



Max. airflow



Premium efficiency
motor

Features

- Intelligent Dust Collector with Auto Pulse Jet Type
- Middle Air Volume from 60 to 180 m³/min
- 5.5kW/7.5kW/11.0kW Package type dust collector
- Differential pressure sensor
- Use-friendly message
- Various combination of dust discharge

Pulse jet by
differential
pressure
detection

Automatic
airflow control

Inverter
control

- Molded cartridge filter



Material: Polyester

Surface treatment: –

Corresponding models: PiF

Application: General dried particles

Features

- Collecting efficiency: Good, For dust having a particle diameter of about 10µm.
- Heat resistant temperature (F) : Normal temperature 40°C (104°)
- Dust removal: Pulse jet

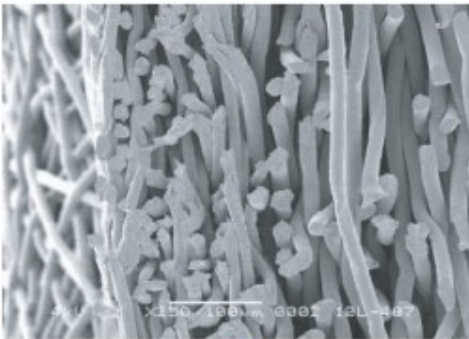
Various types of filters are available



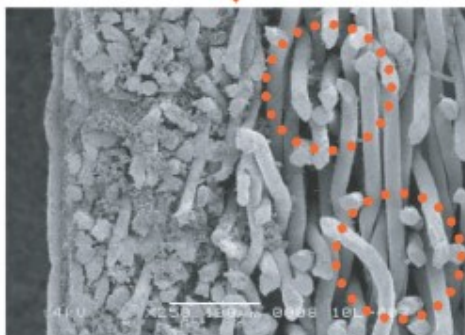
Nanofiber filter option without extra cost

- The nanofiber filter area has a about 2.5 times larger than standard filter.
- Dust is collected with a nanofiber layer and can be easily removed with plus jet.
- By large filter area and reducing the filter filtration speed, that make life of filter longer than ever.
- Nanofiber has self-extinguishing function, it prevents fire from dust collector.

Conventional filter

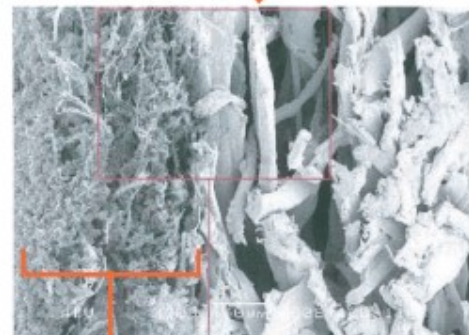
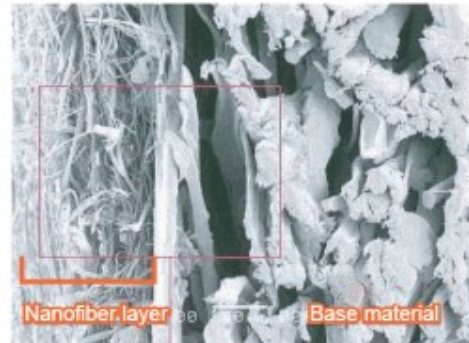


After collecting dust



Dust is entered inside filter in deep.

Nanofiber filter



Dust is collected with a nanofiber layer and can be easily removed with plus jet.



Automatically controls the fan speed

Built-in inverter automatically operates with the set value of air volume. (Fixed motor rotation speed is also possible)



Automatic pulse jet

Automatically start puls jet for filter cleaning



Automatic data logging

QR code will be displayed and get error and operation history. it can be retrieved as CSV data.



Automatically notify the status of the filter condition

The condition (differential pressure) of the filter is displayed on the LCD as an icon.



Remote control

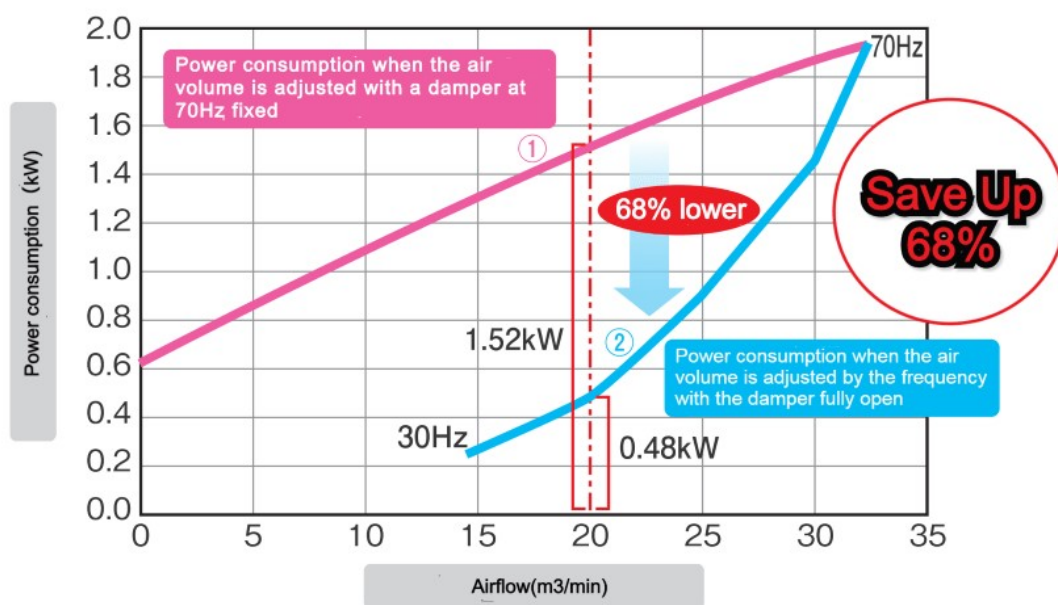
It can be operated in conjunction with production machine.



Inverter control

- Air volume control by an inverter is superior in energy saving effect to volume control by a damper.

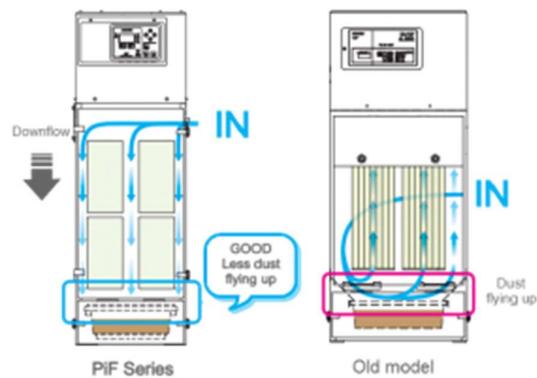
- By automatically operating with the air volume set by the inverter, it is possible to prevent excessive volume operation that causes clogging of the filter.





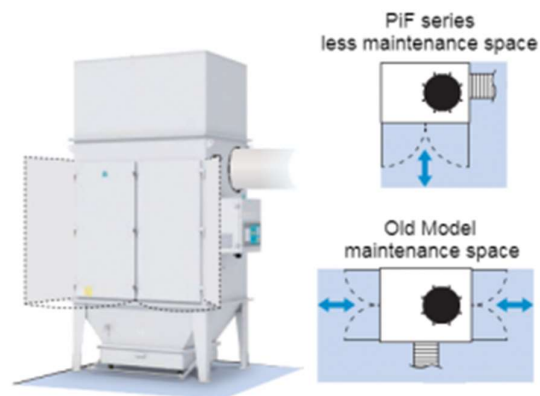
Downflow

The downflow reduce flying dust inside dust collector and prevent the dust reattachment. It suppresses the increase in filter pressure loss and improves the filter removal performance.

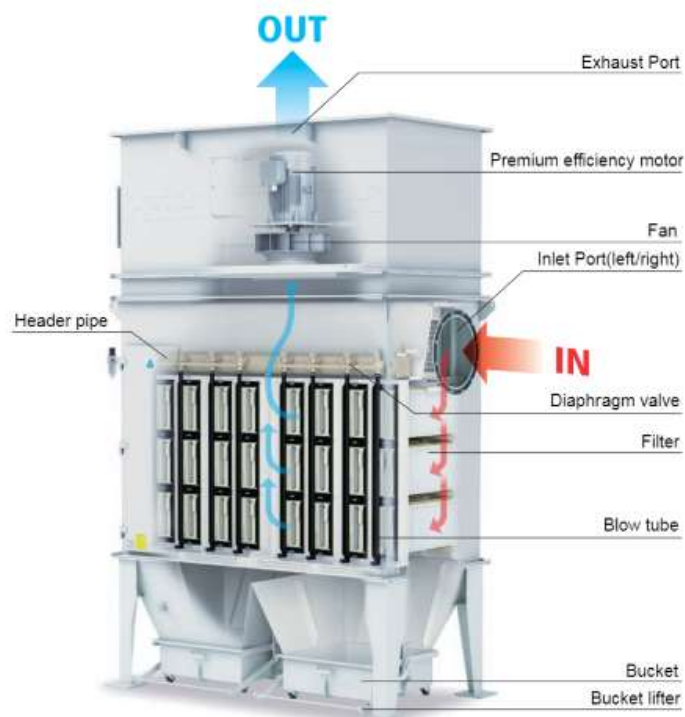


Reduce installation and maintenance space

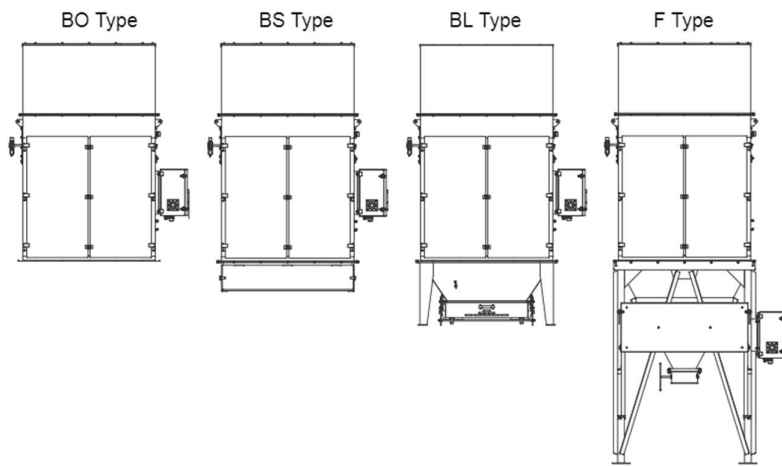
There is no restrictions on the installation space. it is easy to install and easy maintenance.



• Internal Structure



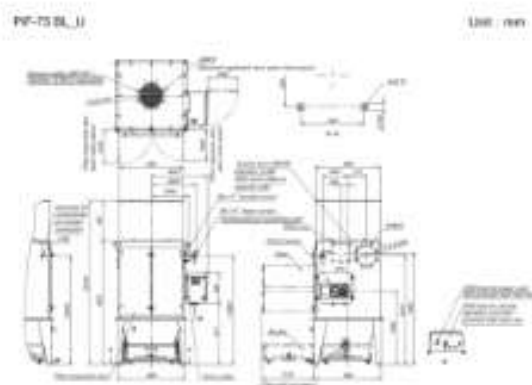
- **Various combination**



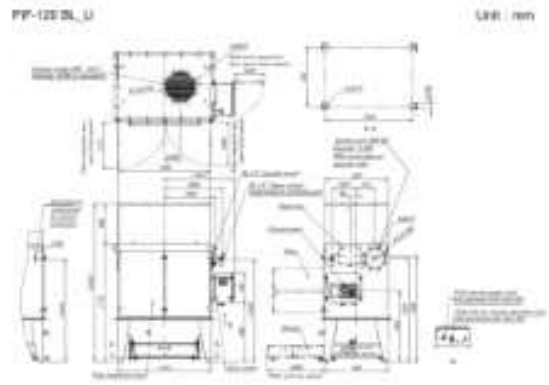
- **Sample Installation**



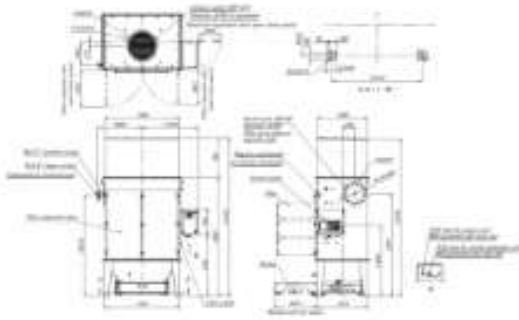
- **External View**



PIF-75BL Type



PiF-120 BL Type



PiF-150 BL Type

- SPECIFICATION

Particular	Unit	PiF-75	PiF-120	PiF-150
Power Supply	Volt	220	220	220
Frequency	Hz	60	60	60
	Phase	3P	3P	3P
Output	kw/hp	5.5/7.3	7.5/10	11/15
Airflow	m ³ /min	60	80	120
Static Pressure	kPa	2.50	2.50	2.50
Suction Port Ø	mm	300	300	380
Dimension BL Type (W x D x H)	mm	950×950×2419	1398×950×2382	1484×1000×3154
Weight	kg	450	570	800