

PiF-MP/HP Series – Built-in Inverter Medium Pressure Dust Collector –



The PiF-MP/HP series is ideal for processes that require narrow duct hoses from multiple suction points where the static pressure is insufficient for a general dust collector (static pressure of 2 kPa), or for situations where a long duct hose is used to collect dust. PiF-MP/HP series are available in two types: static pressure 4 kPa specification (PiF-MP) and static pressure 6 kPa specification (PiF -HP), which are medium pressure pulse jet dust collectors.



Molded filter



Pulse jet



General dry dust



Max. static
pressure



Max. airflow

Features:

Amano's medium pressure pulse jet dust collector was designed with revolutionary concepts in particle collection.

- Sufficient suction is maintained even with narrow hoses
- An inverter allows for flexible operation.
- Situations where a long duct hose is used to collect dust
- The compact design requires a minimum amount of floor space.
- Continuous maintenance-free operation.
- Pulse-jet automatic filter cleaning operation.



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



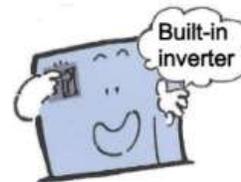
Introducing AMANO's Medium Pressure Dust and Chip collector units designed with revolutionary concepts in Dust and Chip extraction.

1. Powerful suction



The PiF-MP/HP series is Powerful that requires narrow duct hoses from multiple suction points where the static pressure is insufficient for a general dust collector (static pressure of 2 kPa), or for situations where a long duct hose is used to collect dust.

2. Inverter control



An inverter control system allows the optimum airflow and suction pressure setting, giving the suction power to run at its ideal efficiency.

3. Space-saving, compact design



Energy-saving and space-saving design motors that comply with IE3 premium efficiency standards are standard equipment. The volume of the main unit is greatly reduced compared to conventional dust collectors.

4. Continuous operation



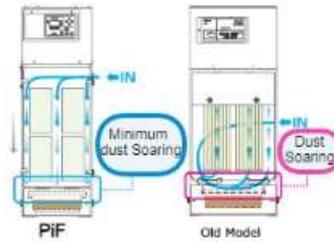
A high-speed motor that uses high-precision bearings and a small blower are directly connected, enabling continuous operation for a long time.

5. Wide filtration area



Compared to our previous PiE model, the standard filter has a filtration area 1.3 times larger, and the optional (nano-fiber coated) filter has a filtration area 2.5 times larger.

6. Improved filter removal performance



The downward airflow inside the main unit reduces dust reattachment due to dust flying up in the bucket. The downward airflow in the main unit reduces dust reattachment caused by dust flying up in the bucket. This reduces the increase in filter pressure loss.

Unlike ordinary dust collectors, it can suck up airborne dust, high-speed flying dust, and cutting dust at the same time, and unlike vacuum cleaners, it can run continuously.

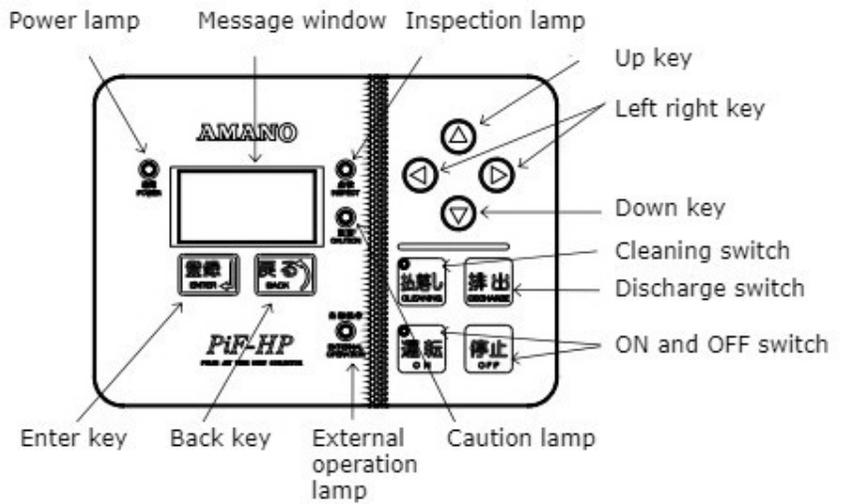


The PiF-MP/HP Series Medium Pressure Dust Collector combines the best features of Dust Collector and Vacuum Cleaner allowing it to collect airborne dust and heavy chip. And also it good to collector high speeds airborne dust such as grinding and cutting works.



- Easy control

Easily control and monitor dust collector



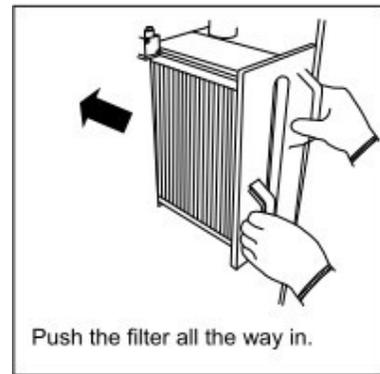
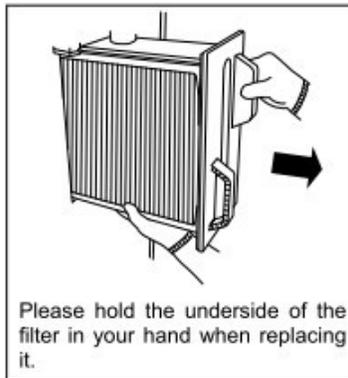
Icon display allows everyone can check the condition of the filter.

| Degree of consumption | Icon | Condition of filter |
|-----------------------|------|------------------------------------|
| ~50% | | Good |
| ~80% | | Enable yo use |
| ~99% | | Need to prepare replacement filter |
| 100% | | Replace the filter |

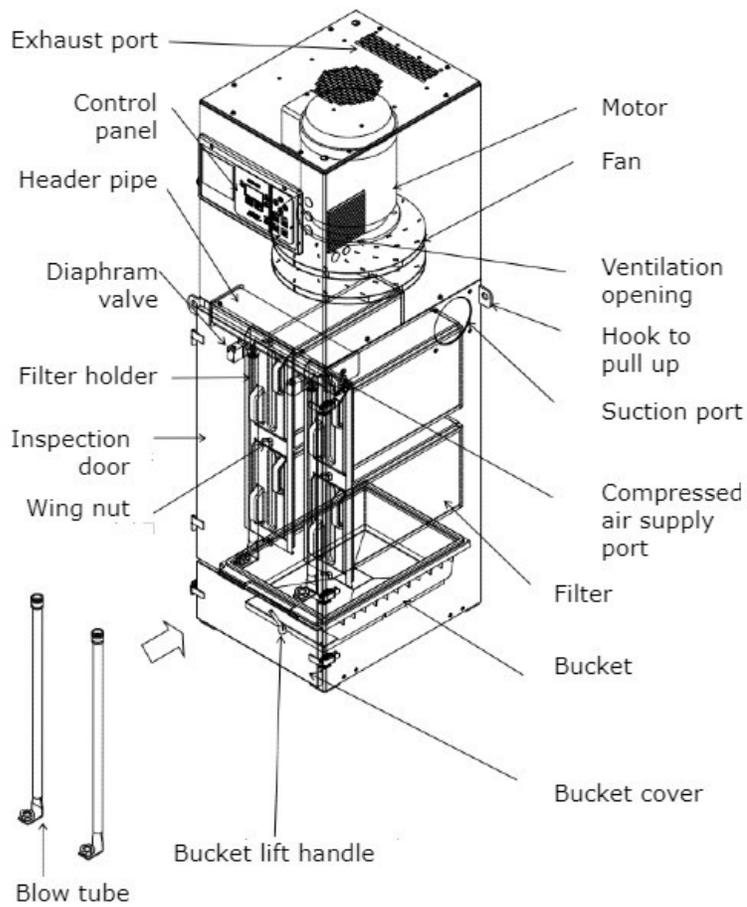
- **Easy filter replacement**



Easy filter replacement



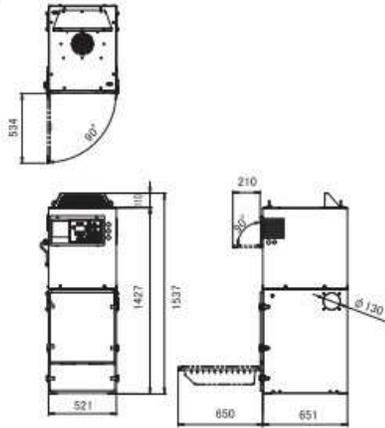
- **External view**



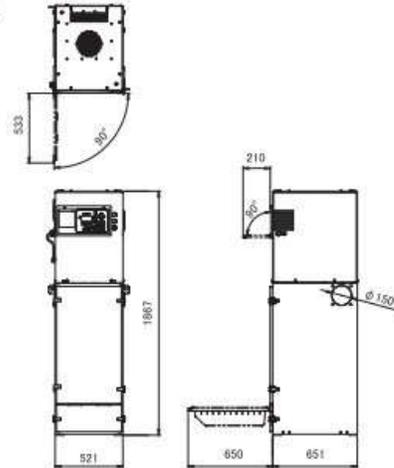
- DIMENSION

PiF-HP Series

PiF-15HP

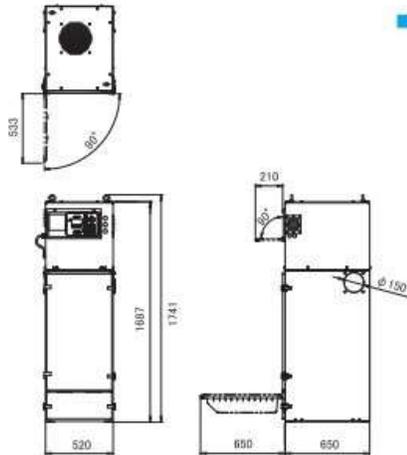


PiF-30HP

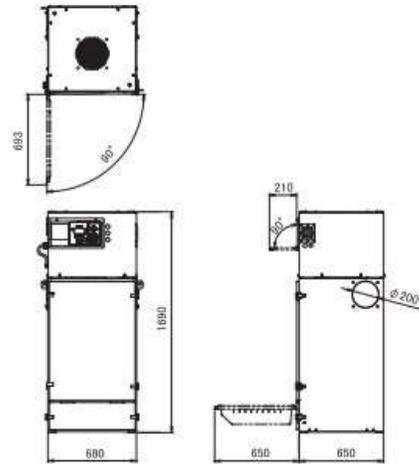


PiF-MP Series

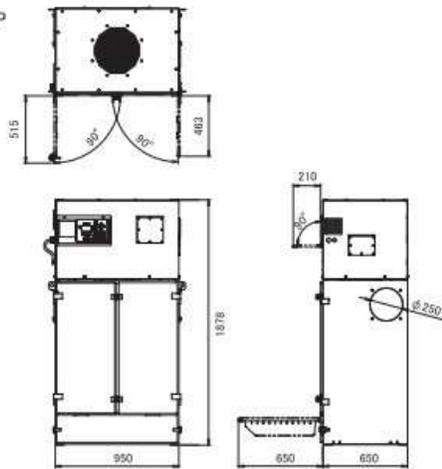
PiF-30MP



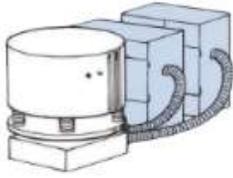
PiF-45MP



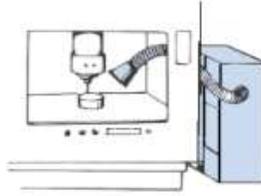
PiF-60MP



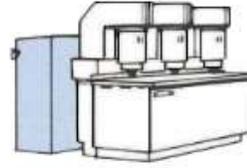
- APPLICATION



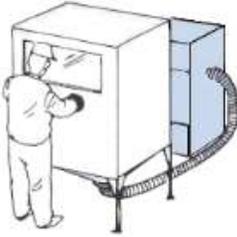
Sieve machine



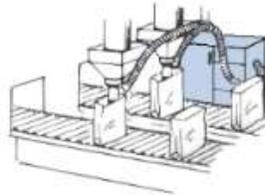
CNC machining centre



Board drilling machines



Shot blasting work



Auto packing machine

- SPECIFICATION

PiF-MP Series Maximum operating point static pressure 4 kPa type

| Particular | Unit | PiF-30MP | PiF-45MP | PiF-60MP |
|----------------------|---------------------|--------------|--------------|--------------|
| Power Supply | Volt/Phase/Hz | 220V/3P/60Hz | 220V/3P/60Hz | 220V/3P/60Hz |
| Output | kw | 2 | 3.1 | 5.5 |
| Max Airflow | m ³ /min | 30 | 40 | 50 |
| Max Static Pressure | kPa | 4.5 | 5 | 5.5 |
| Suction Port | Ø mm | Ø150 | Ø200 | Ø250 |
| Dimension(W x D x H) | mm | 520×650×1687 | 680×650×1690 | 950×650×1878 |
| Weight | kg | 189 | 246 | 350 |

PiF-HP Series Maximum operating point static pressure 6 kPa type

| Particular | Unit | PiF-15HP | PiF-30HP |
|-----------------------|---------------------|--------------|--------------|
| Power Supply | Volt/Phase/Hz | 220V/3P/60Hz | 220V/3P/60Hz |
| Output | kw | 3.1 | 5.5 |
| Max Airflow | m ³ /min | 25 | 30 |
| Max Static Pressure | kPa | 6.5 | 7 |
| Suction Port | Ø mm | Ø127 | Ø150 |
| Dimension (W x D x H) | mm | 521×651×1537 | 521×651×1867 |
| Weight | kg | 196 | 267 |