

## PiH Series Dust/Fumes collector with deodorizing function



The PiH Series dust collector was developed for laser plotters, laser marking processes, and processes where adhesive fume and odor are generated at the same time. The filter coating powder "ZEO POWER" is laminated on the filter surface using a unique method to sticky dust/fume. The laminated ZEO POWER powder at filter protects the filter from fume and also has the effect of extending the life of the filter. Activated carbon deodorizing units remove unpleasant odors generated by laser plotters, laser marking processes, and others.



Molded filter



Pulse jet



Fumes



Deodorizing



Max. airflow

### Features:

It is designed for the collection of Fumes from the lased marking process.

- Uses filter coating powder "Zeopower"
- No need for compressed air. The special filter coating powder "Zeopower" supplied to filter by compressed air.
- Adhesive fume generated by resin processing is collected by "Zeopower"
- Activated carbon deodorizing units remove unpleasant odors generated by laser plotters, laser marking processes, and others.
- Max. Airflow 26m³/min

### Molded cartridge filter



Material: Polyester

Surface treatment: –

Corresponding models: PiE, FCN, Mi and PiH

Application: General dried particles (particle diameter about 10µm)

#### Features

For dust having a particle diameter of about 10µm.

Collecting efficiency: Good, Particle diameter about 10µm

Heat resistant temperature (F): Normal temperature 40°C (104°)

Dust removal: Pulse jet

Various type of filter are available



### Activated carbon unit



It strongly absorbs and collects foul odors and harmful gases generated by the laser process.

### Zeopower powder soaring mechanism



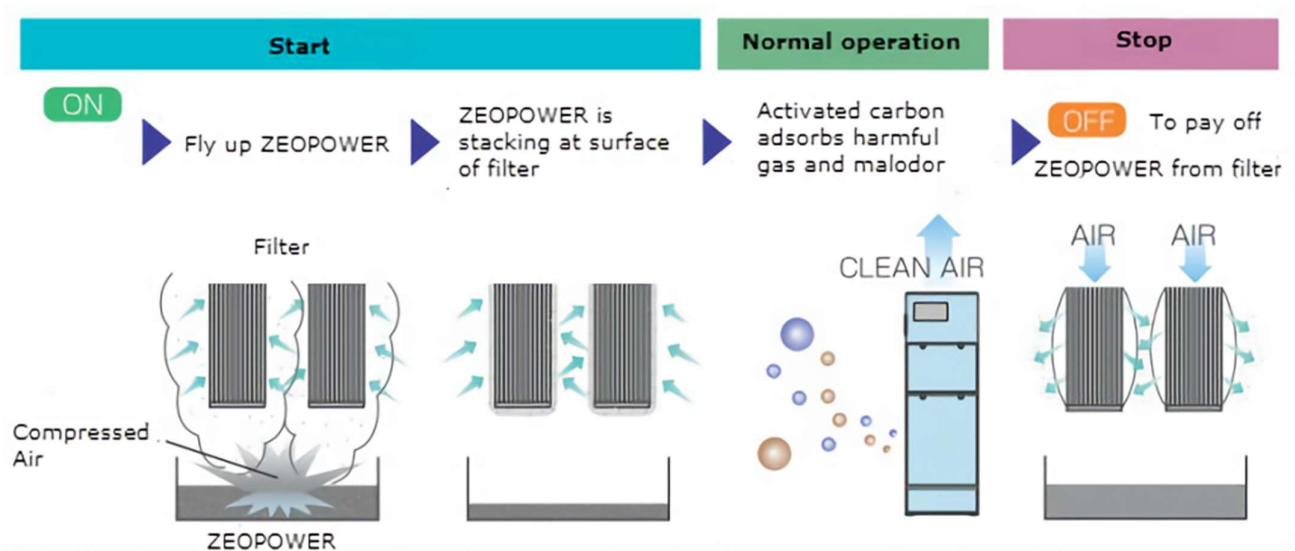
It is automatically coated on the filter surface with compressed air.

## Jet amp filter



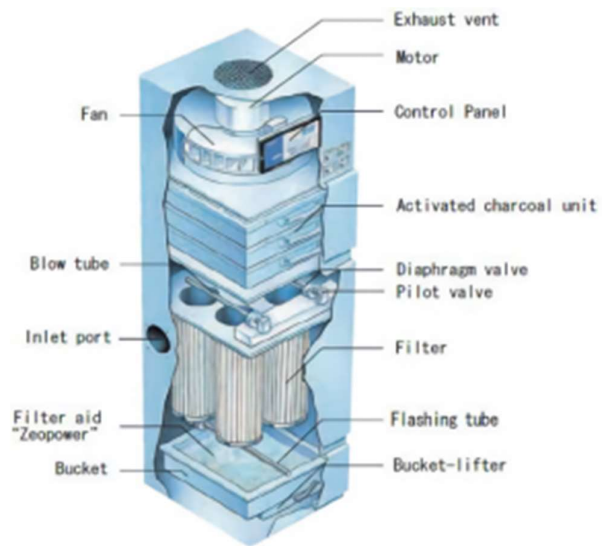
Amano's original filter with a built-in jet amplifier that amplifies the pulse jet effect. The filter can be easily replaced without tools.

## How does it work fumes collection and deodorization

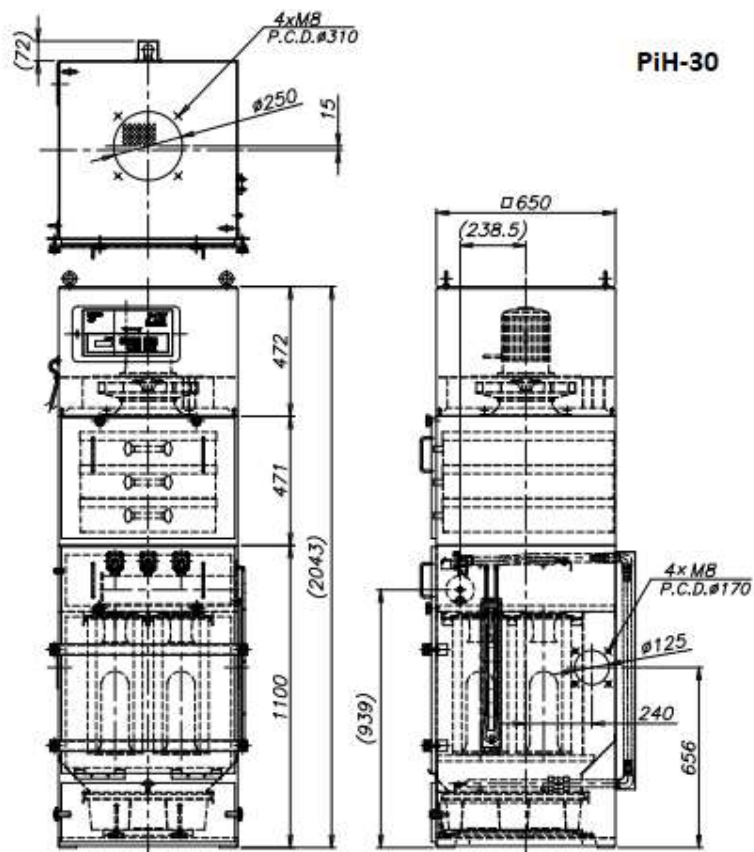


- ZEOPOWER protect fume from filter  
Fume is highly adherent, it quickly adheres to the filter and causes root clogging.
- Activated Charcoal absorbs bad small such as harmful gas and odor  
Activated Charcoal Have characteristics to collect bad small
- Amano Jet Amp Molded Cartridge Filter  
Jet Amp filter doubles the effect of pulse jet

## INTERNAL DESIGN



## EXTERNAL VIEW



Unit: mm

## APPLICATION



## SPECIFICATION

Particular	Unit	PiH-30	PiH-60
Power Supply	Volt	220	220
Frequency	Hz	60	60
Phase		3P	3P
Output	kw/hp	1.5/2	3.7/5
Max Airflow	m <sup>3</sup> /min	13.0	26.0
Max. Static Pressure	kPa	2.74	2.84
Filter Area	m <sup>2</sup>	9.0	18.0
Filter Aid (Zeopower)	kg	6.0	12.0
Deodorant (A Carbon)	12kg/1unit	Approx. 36kg	Approx. 72kg
Suction Port Ø	mm	125	200
Dimension (WxDxH)	mm	650x650x2043	1100x700x2198
Weight	kg	195	360