## - IAQ Controller

## FV-SCGPW1

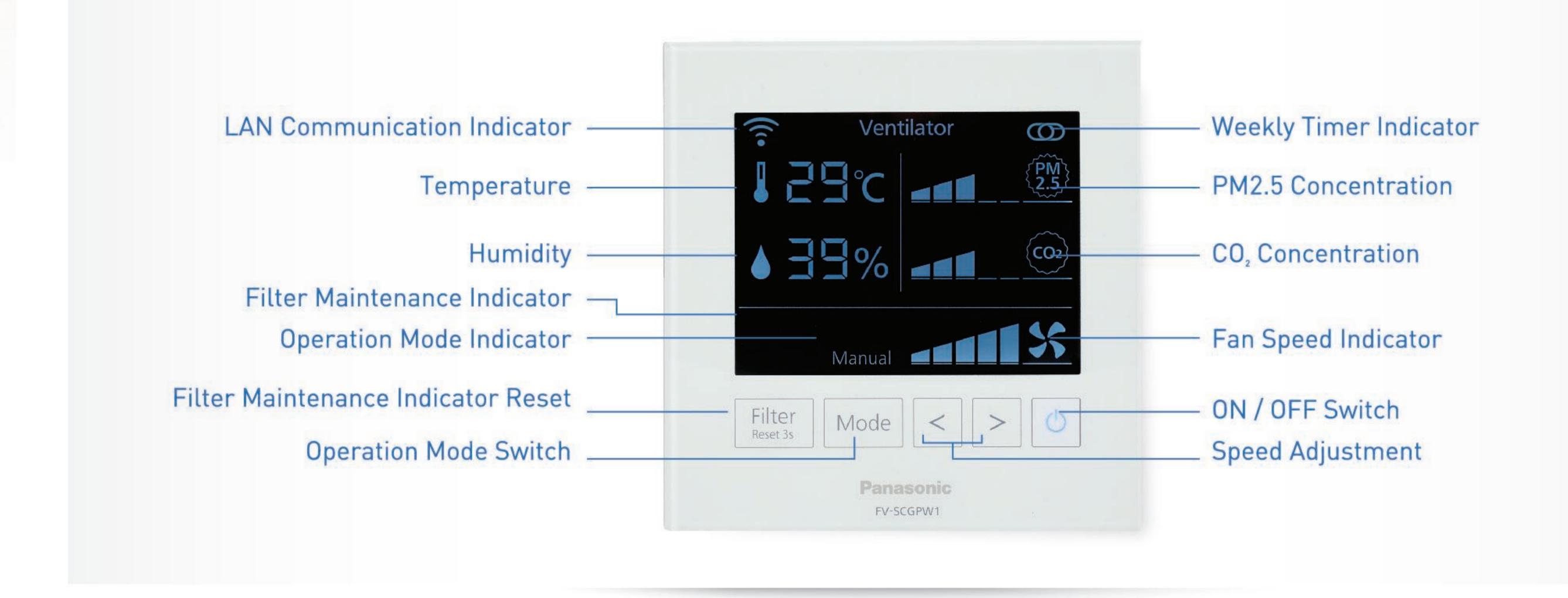
## Features

- Applicable to FV-01NAP1
- Temperature and humidity level indicator
- PM2.5 and CO<sub>2</sub> indicator
- Operation modes (auto/silent/manual)
- Five-speed adjustable
- Filter replacement indicator
- Smartphone control via "Panasonic Comfort Cloud" app

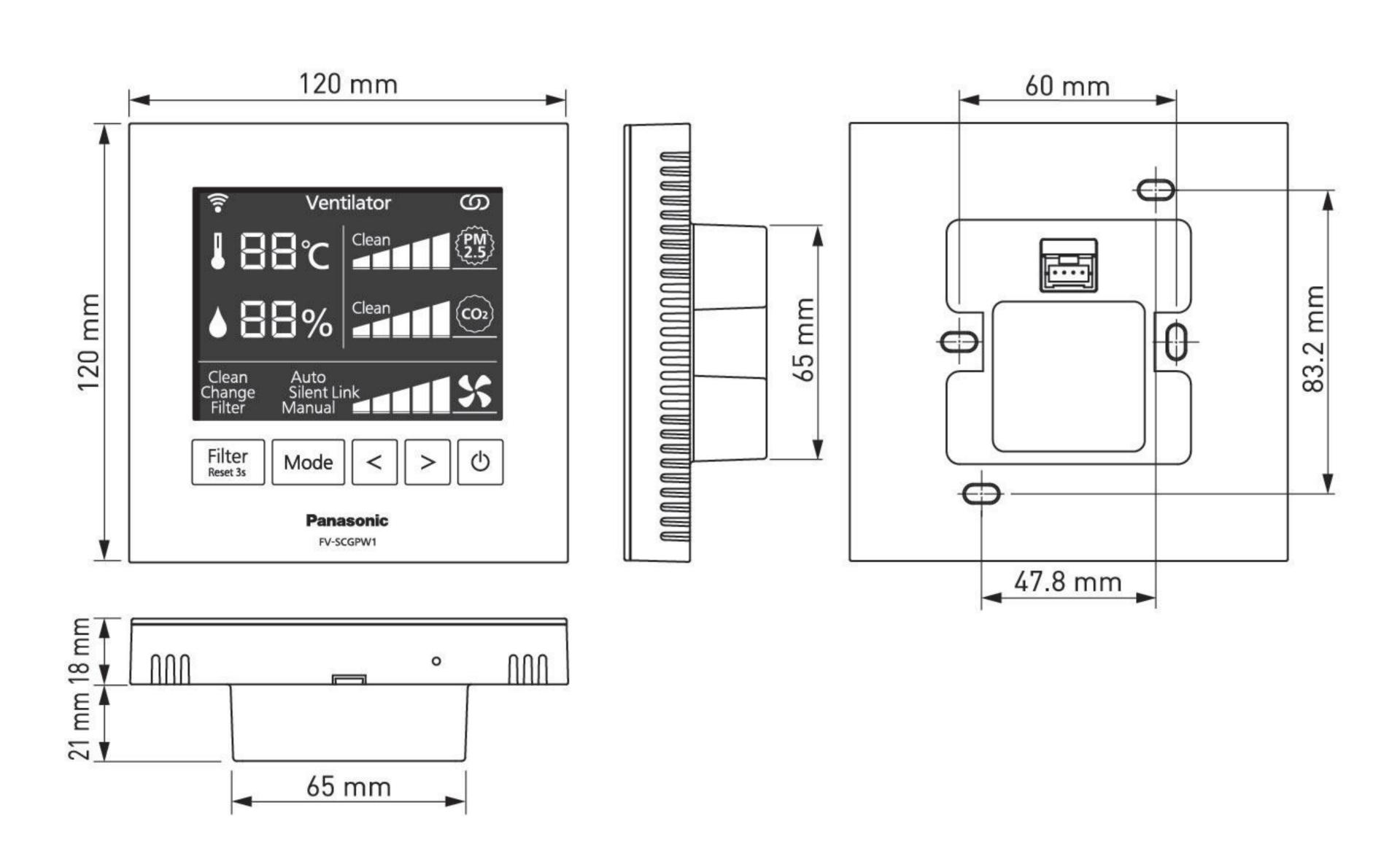
### Benefits

Optimized by coupling the supply fan with the IAQ controller:

- IAQ information is visualized
- Five-speed adjustability allows for greater flexibility
- Auto speed adjustment according to PM2.5 and CO<sub>2</sub> levels
- Silent operation for a quiet environment
- Control the supply fan remotely using the app
- Fan operates as required to save energy



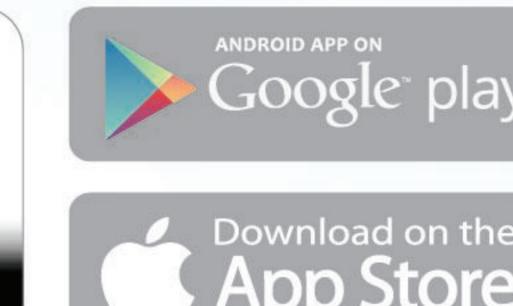
## Dimensions



## - Panasonic Comfort Cloud App

An ideal solution for both residential and commercial applications, the Panasonic Comfort Cloud app, along with a wireless LAN network, allows you to control everything remotely via your smartphone or tablet.





### Benefits

Filter Mode < > O

Supply Fan + IAQ Controller + Comfort Cloud App

#### Smart Control

- Remotely control anytime, anywhere (ON/OFF, operation mode, air volume)
- Check status of product group and switch ON/OFF
- Set weekly timers for multiple units

## Smart Efficiency

- More comfort with less wasted energy via remote control before arrival
- Remotely switch off the product, even when you are out





- Actual colors may vary slightly from shown.
- Specifications are subject to change without prior notice.

CATALOG NO: P-AME004B1

Printed in Hong Kong 09.21

# Panasonic



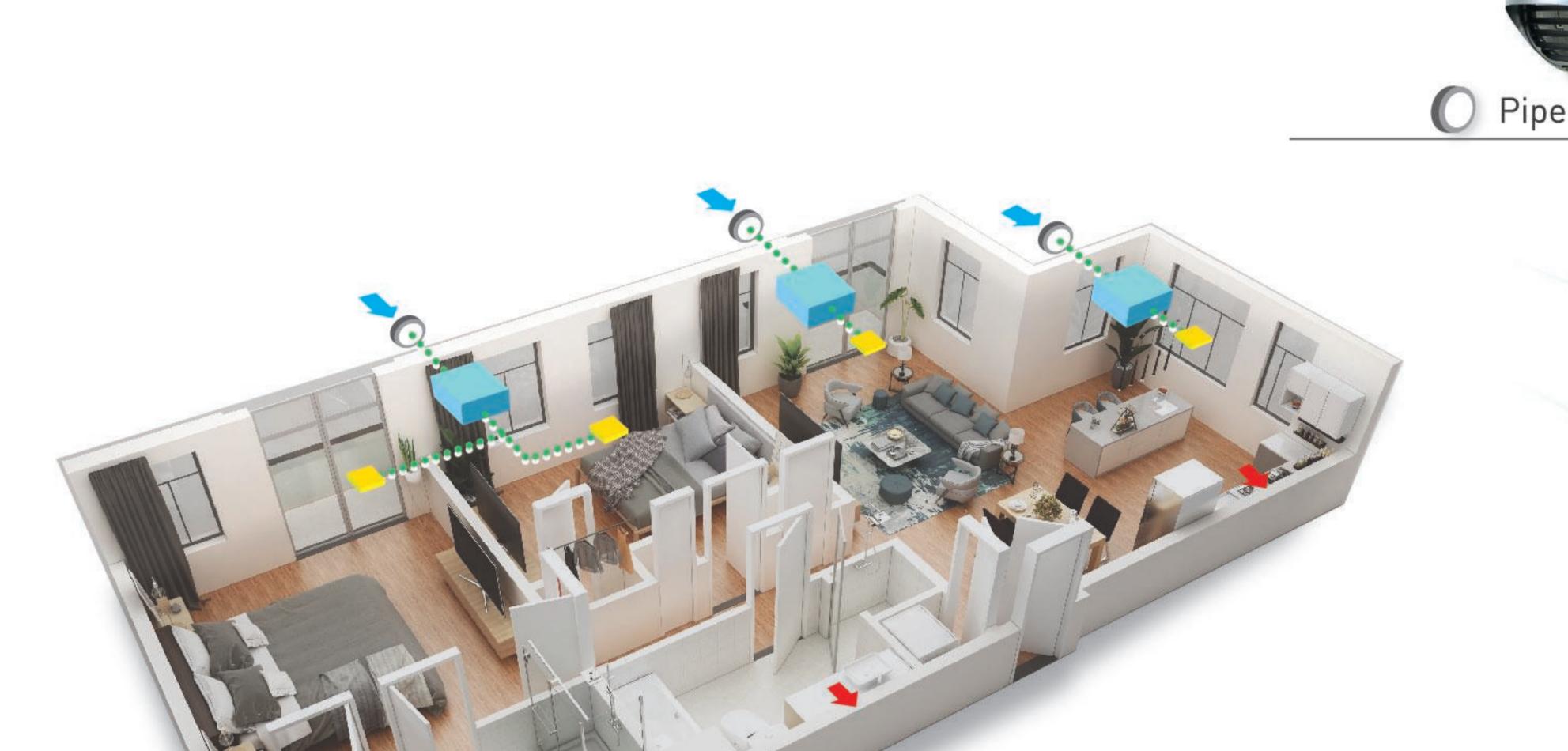








## - Achieve Indoor Air Quality (IAQ) Through Supply Ventilation







DUSTRIAL EMISSION

Using a supply fan, fresh outdoor air is drawn from a known location and delivered to the interior living space. The known location should be selected to ensure that the air brought in is good quality. The intake air should be purified before distribution within the living space to minimize the impact of outdoor pollutants on residents.

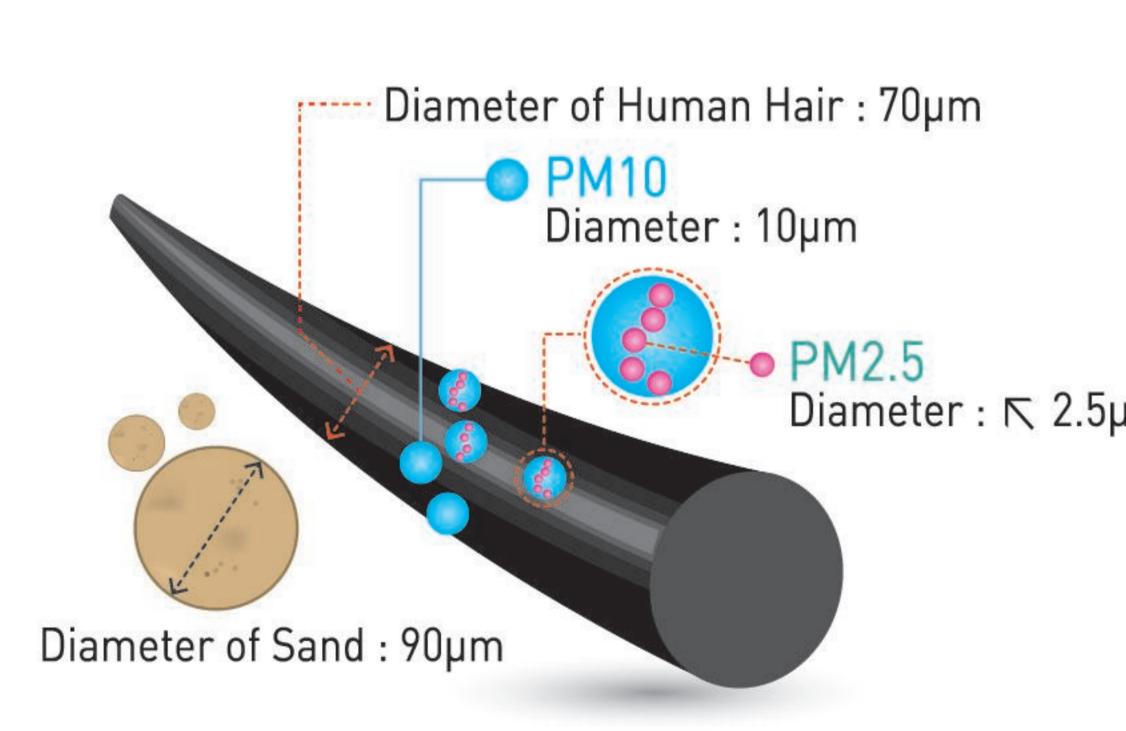
#### **Benefits of Supply Ventilation**

Outdoor pollutants in the air are blocked as they pass through the filter.

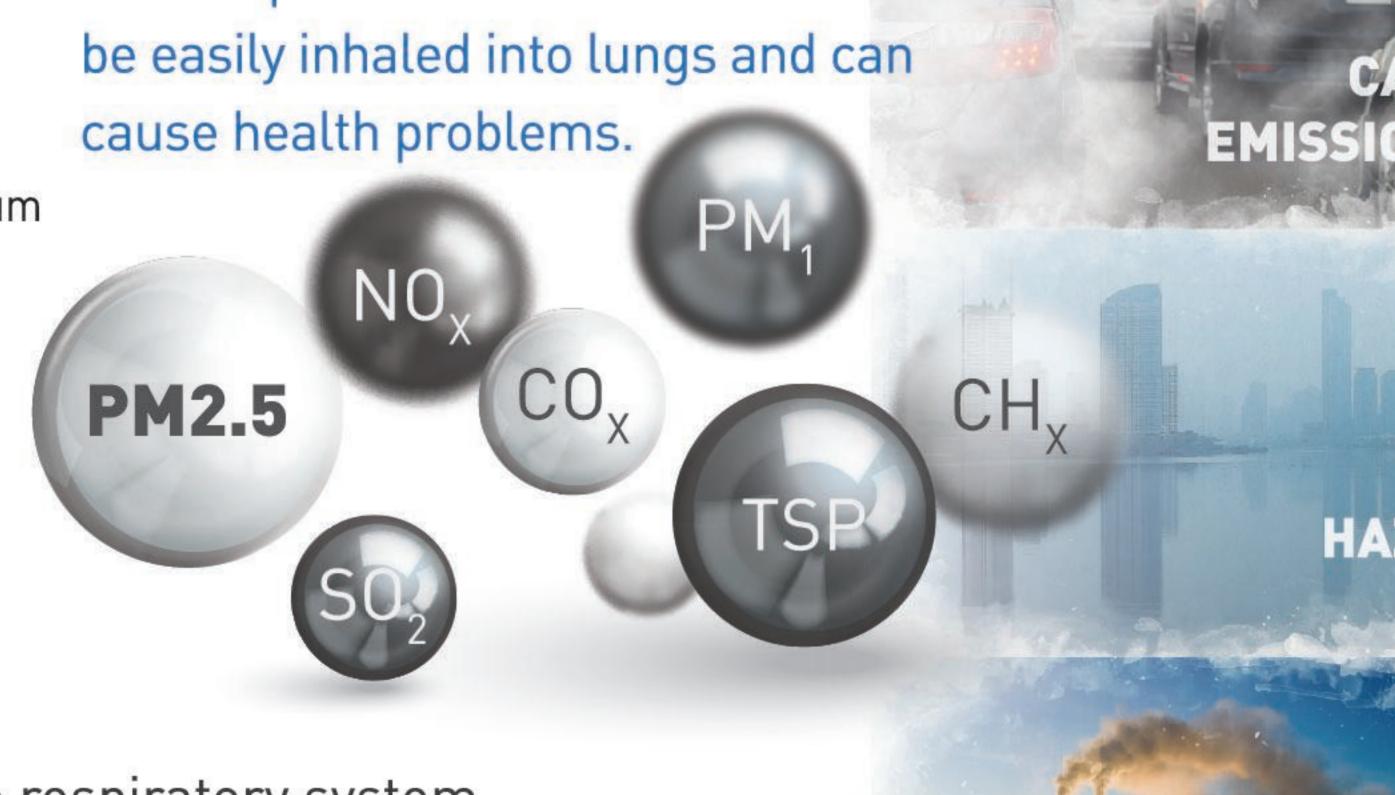
## Outdoor Pollution

Ventilation Using supply air (2nd Type Ventilation)

**Positive Pressure** 



PM2.5 refers to dangerous particles of pollutants that are less than 2.5µm in diameter. These can



#### PM2.5 on Health:

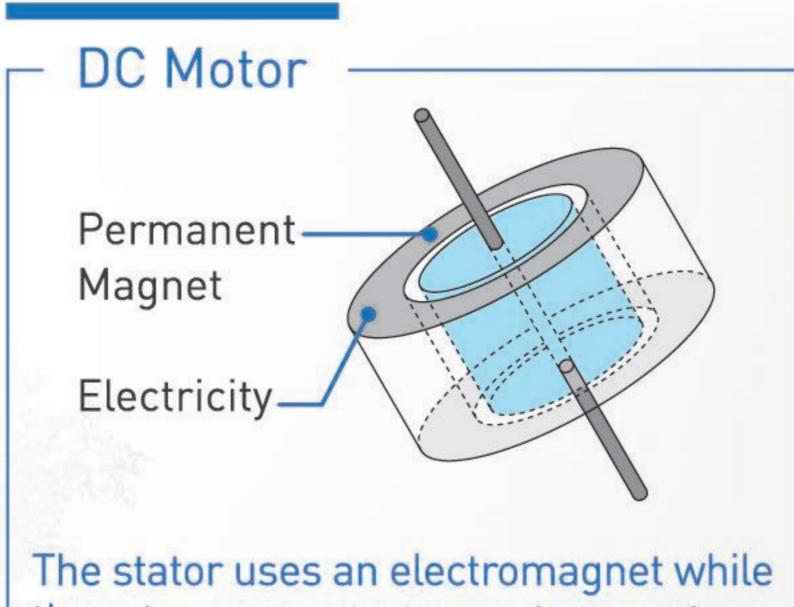
PM2.5

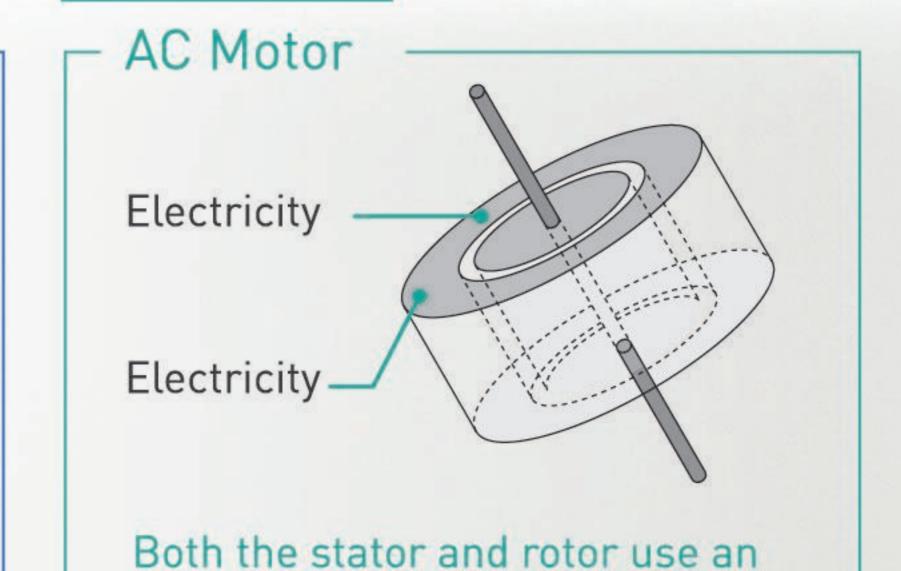
- Easy to penetrate the thoracic cavity of the respiratory system.
- Respiratory and cardiovascular morbidity increases, as well as aggravation of asthma and other respiratory symptoms.
- Increases mortality caused by cardiovascular and respiratory diseases and lung cancer.

## Feature Highlights

## **Energy Efficient**

- Fan uses a DC motor to reduce power consumption and save energy.
- Rise in DC motor temperature is lower than in an AC motor, resulting in a longer lifespan.



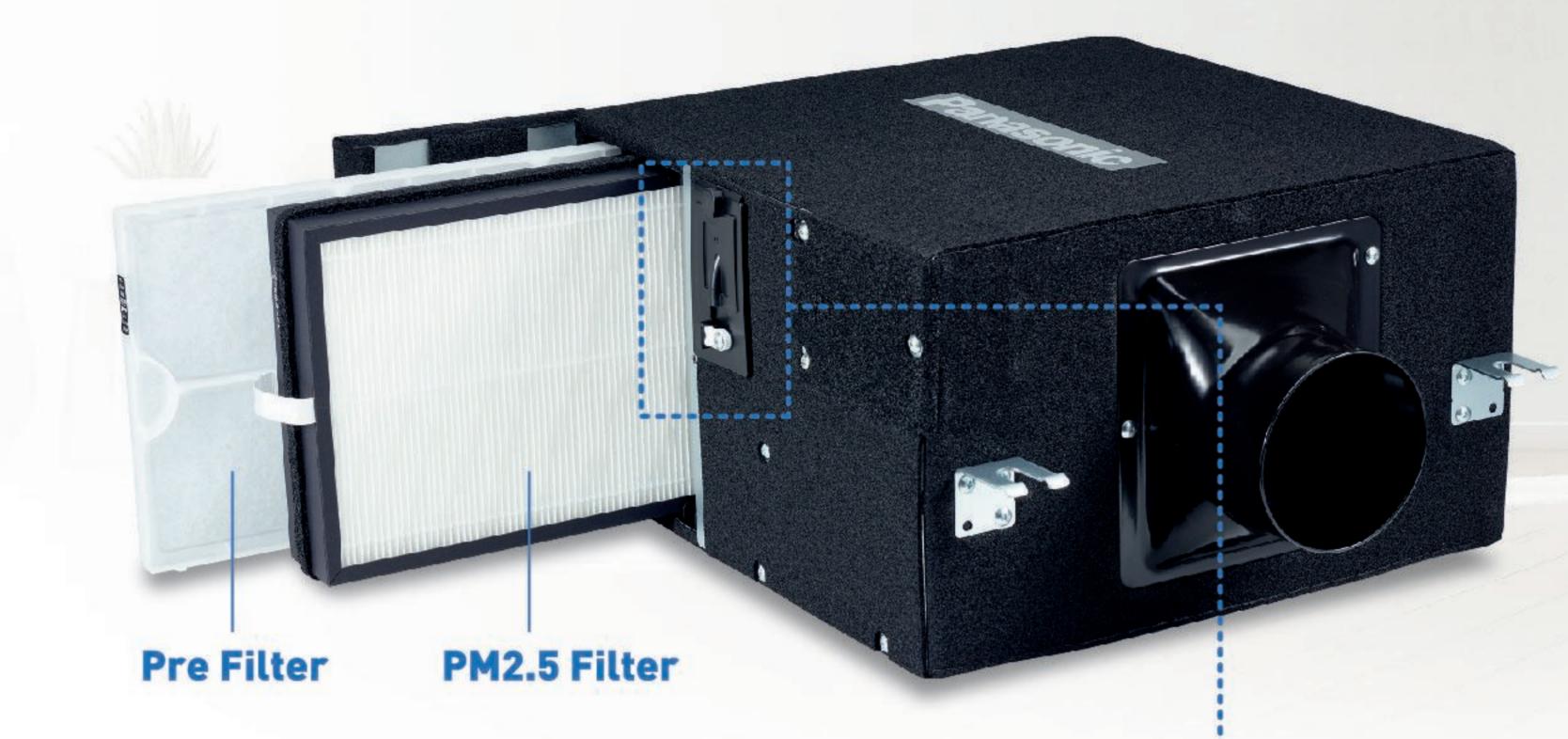


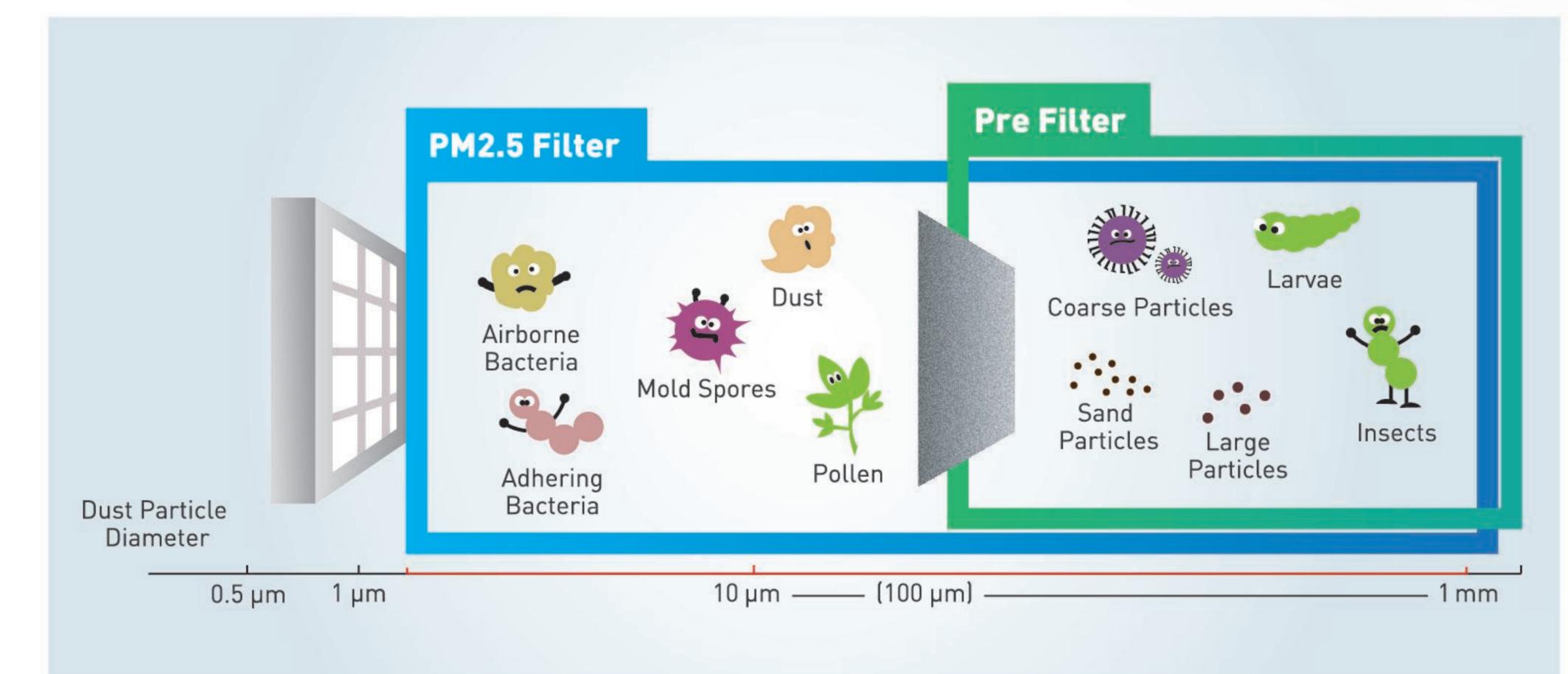
the rotor uses a permanent magnet

## Both the stator and rotor use an

## Effective Filtration

- PM2.5 filter effectively captures tiny
- Pre-filter blocks large particles, such as dust, pollen, mold, etc. from outdoors.

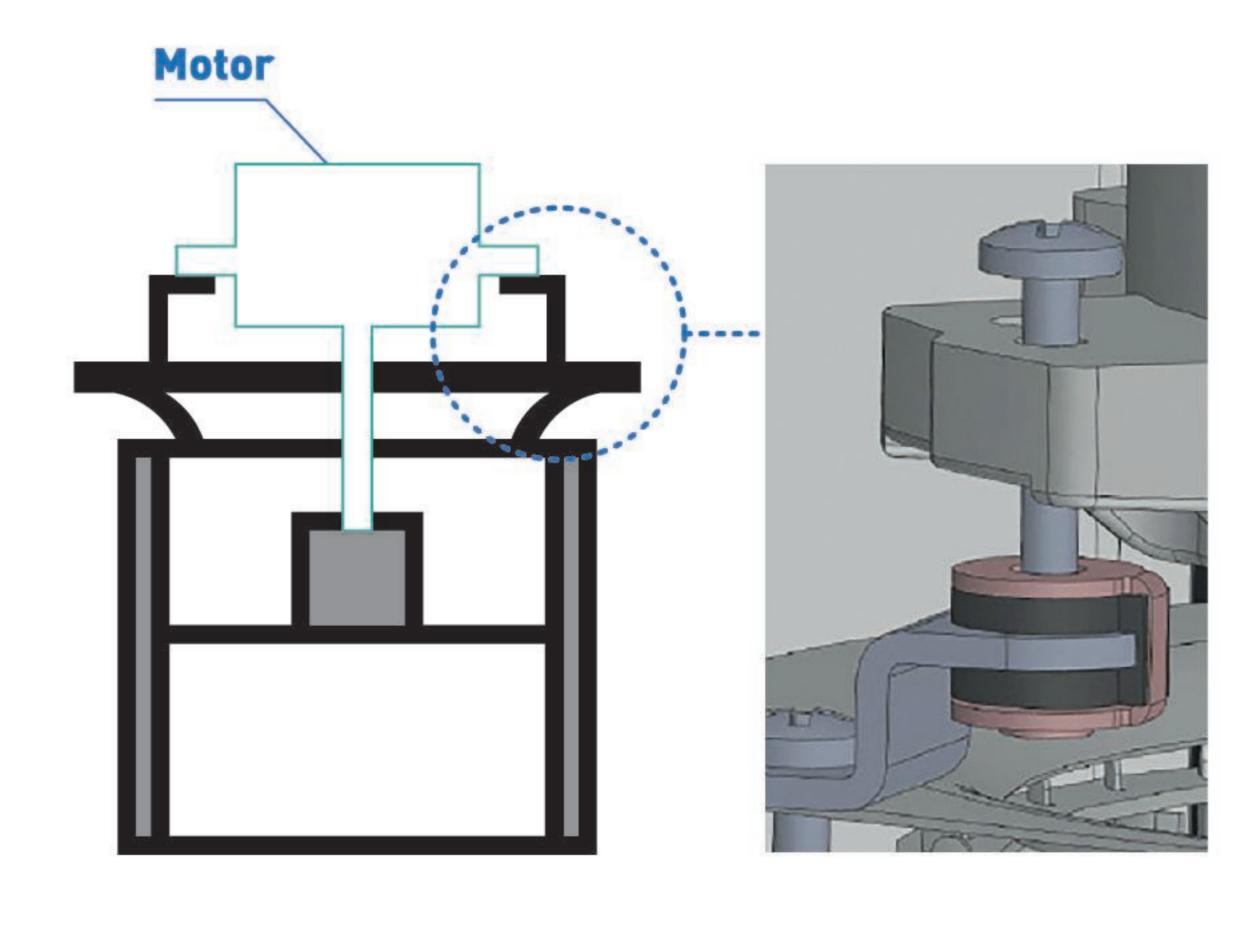






## Low Noise Structure

Unique design of the motor mounting structure lessens vibrations during operation, significantly reducing noise.



## IAQ Controller Ready

- Links with IAQ controller
- Auto operation via sensor

IAQ controller link enables additional features:

- 1. Temperature, humidity, PM2.5, and CO<sub>2</sub> levels can be seen at a glance.
- 2. Operation modes
  - Auto (speed adjustment based on PM2.5 and CO, levels)
  - Silent (quiet operation based on PM2.5 and CO, level)
  - Manual (five-speed adjustable)
- 3. Filter maintenance indication

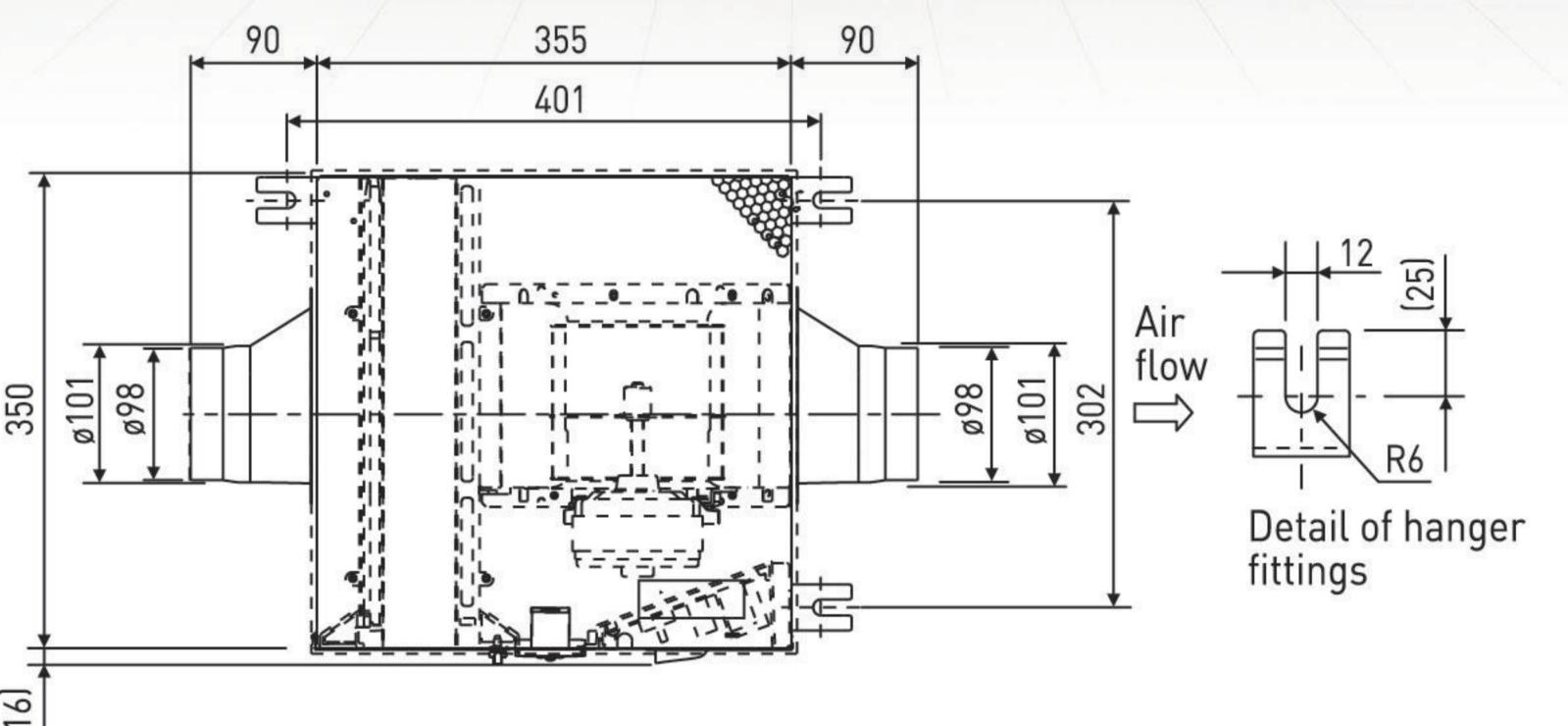
## - Supply Fan (Cabinet Fan)

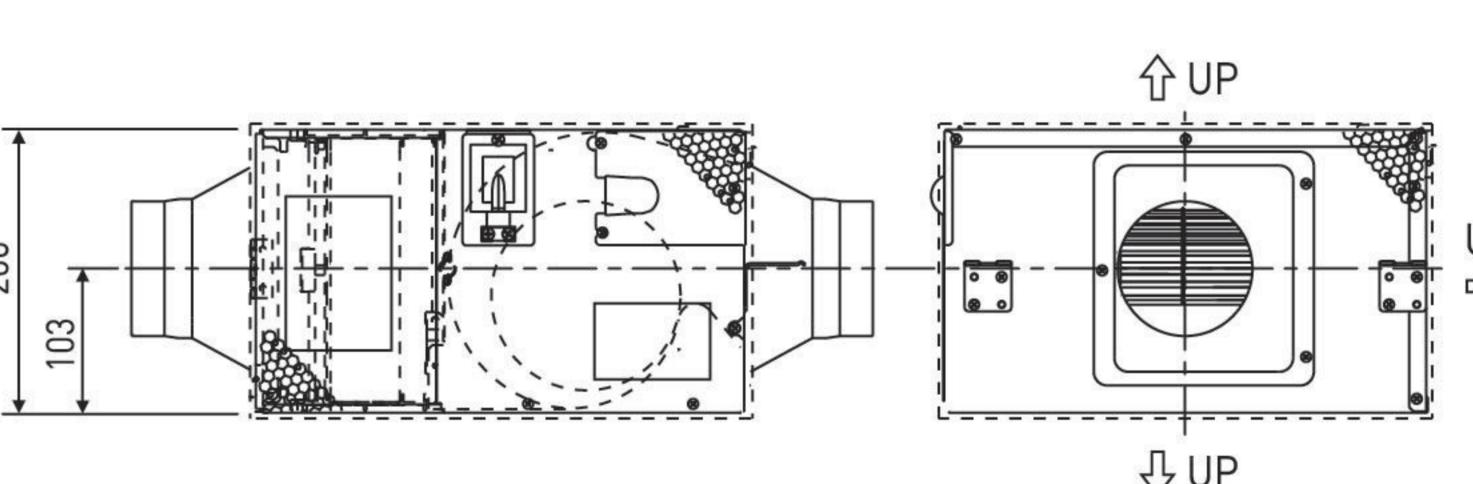
## FV-01NAP1 Features

- DC motor
- Well-lubricated ball bearing for long lifespan
- Unique motor mounting for low noise
- Pre-filter blocks large particles
- PM2.5 filter effectively captures tiny particles
- Compact size with in-built terminal box
- Two-speed selectable
- IAQ controller ready

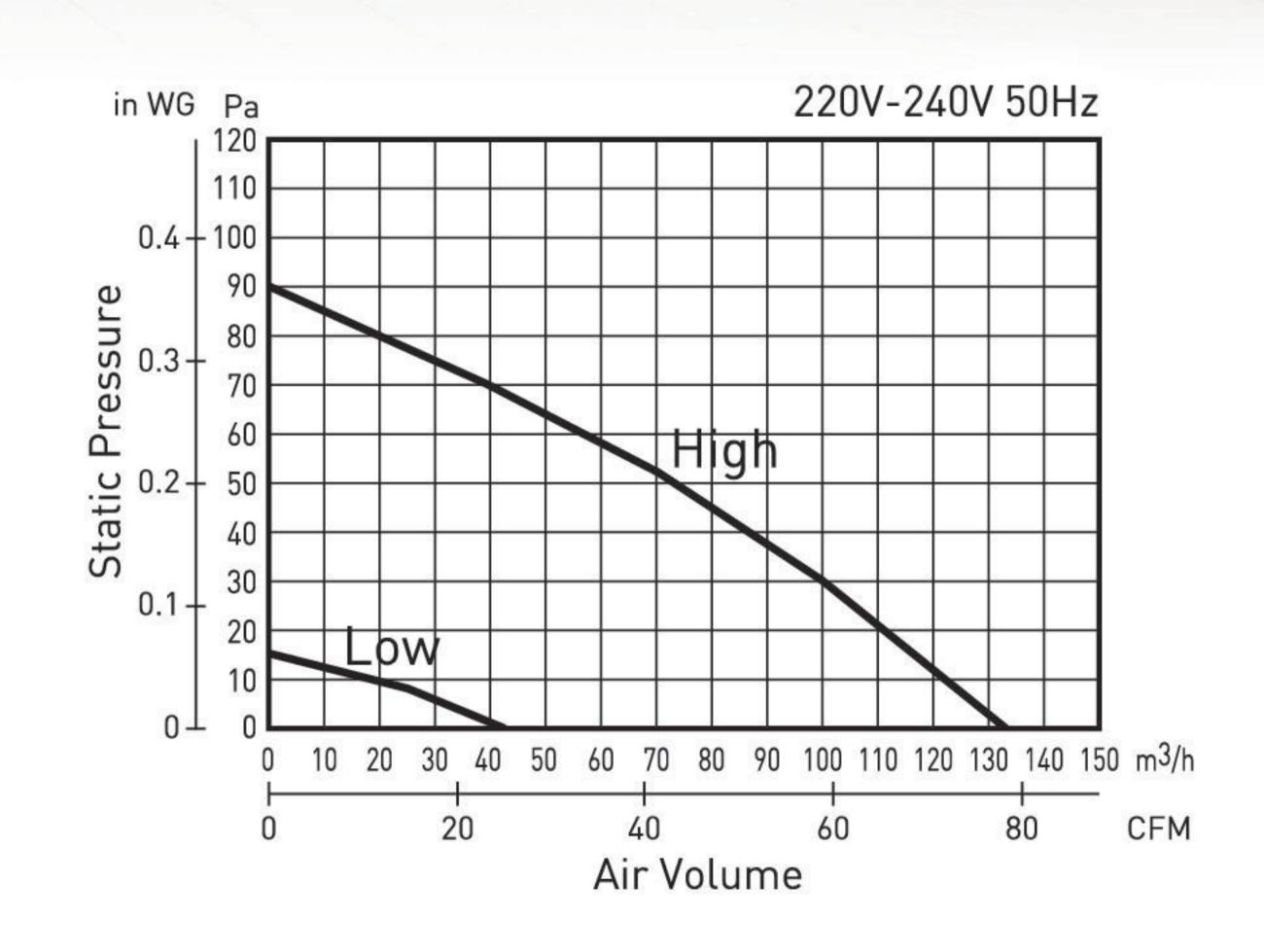


## Dimensions





## Performance Data



## Specifications

Voltage			Air Volume		Consumption	Noise	Weight	Duct Size
[V]	[Hz]		[m³/h]	[CFM]	[W]	[dB (A)]	[kg]	[mm]
220 - 240	50	Hi	133	78	10	23	6.9	ø 100
		Lo	42	25	3.3	18		

#### **Test Conditions**

- Air volume, electric characteristics, and noise are specified at the static pressure of 0 Pa
- Noise level is A weighted average sound pressure level; the mean value is measured by our company to within +3 to -7 dB tolerance
- Noise level is measured 1.5m from the side of the fan when the ducts are connected to both the inlet and outlet
- Air volume at the mid-point is measured by our company and is within ±10% tolerance