

# Vent-Axia Pure Air

- Removes NOX and other gases
- Removes particles down to PM2.5
- Offers multiple spigot options
- Low pressure drop
- Easy to install with mounting brackets
- Conforms to international air quality guideline limits
- Easy installation & maintenance
- Various sizes to suit residential or commercial applications
- Provides induct noise attenuation
- Insulating jackets available
- New compact unit available



## What is it?

The Vent-Axia Pure Air combines particulate and gas filters to remove pollutants prior to entering residences and commercial buildings through mechanical ventilation and heat recovery systems. The Vent-Axia Pure Air is designed to bring outdoor air pollutant levels within the guideline exposure limits as set out in the World Health Organisation Air Quality Guidelines and the CAFE Directive prior to entering an occupied space.

Indoor air quality (IAQ) is becoming increasingly important with properties being built in urban, industrialised areas. The Vent-Axia Pure Air offers a complete filtration solution with a range of specifiable products that meet planning obligations and refine traditional filtration, leaving home owners with confidence in their heat recovery systems.

## What does it do?

The Vent-Axia Pure Air sets the benchmark for high level filtration. It targets pollutants generated outside of the home, by traffic and industrial processes, and reduces these before supplying the air into the dwelling.

The Vent-Axia Pure Air filter is fitted to the intake airflow and incorporates two types of filtration:

- Enhanced activated Carbon which removes unpleasant odours and harmful gasses such as Nitrous Oxide (NO<sub>2</sub>).
- ISO 65% Coarse (G4) or ePM2.5 (F7) particulate filters which can remove tiny airborne contaminants such as pollen, bacteria and even PM2.5 diesel particulates.

The combination of MVHR and Vent-Axia Pure Air filtration offers the ideal indoor environment.

## Unit Specification

The Vent-Axia Pure Air is manufactured from 1.2mm Galvanised Steel together with suitable sealing for particulate and gas filters. Access is available on both sides via bolted lift off panels. Various round and rectangular transformation spigots are available to suit ductwork systems for both domestic and commercial duct work.

## Filter Specification

### Particulates, PM10, PM2.5

A new ISO filtration standard has come into force. The test method has changed so direct comparisons between EN779 2012 and ISO 16890 cannot be drawn. Below is a guide to the filter efficiencies:

ISO 16890	EN779
45% Coarse	G3
65% Coarse	G4
ePM10 50%	M5
ePM2.5 70%	F7

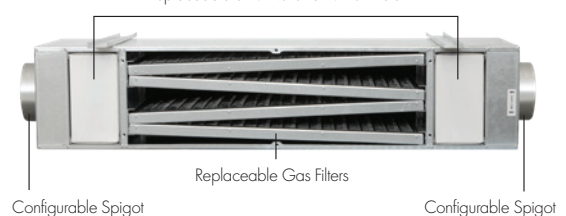
### Pollutant Gases, NO<sub>2</sub>, SO<sub>2</sub>, O<sub>3</sub>, VOC

The gas stage filters in the Vent-Axia Pure Air are designed to achieve a minimum contact time suitable for the removal of pollutant gases at the rated airflow. A specially formulated activated carbon and chemical mix acts upon pollutant concentrations common in dirty city air, reducing them below guidelines set by current legislation.

## Unit Configuration

Standard Gas Filter Unit

Replaceable ePM2.5 or ePM10 Filters



Compact Gas Filter Unit

Replaceable Gas Filters

Configurable Spigot

Configurable Spigot

## Accessories

### Model

Single spare ePM2.5 filter  
 Single spare ePM10 filter  
 Single spare gas filter

### Stock Ref

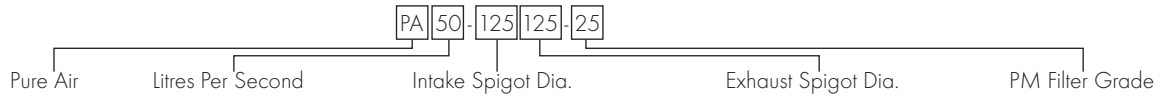
**PAFIL-25**  
**PAFIL-10**  
**PAFIL-NO2**

## Models

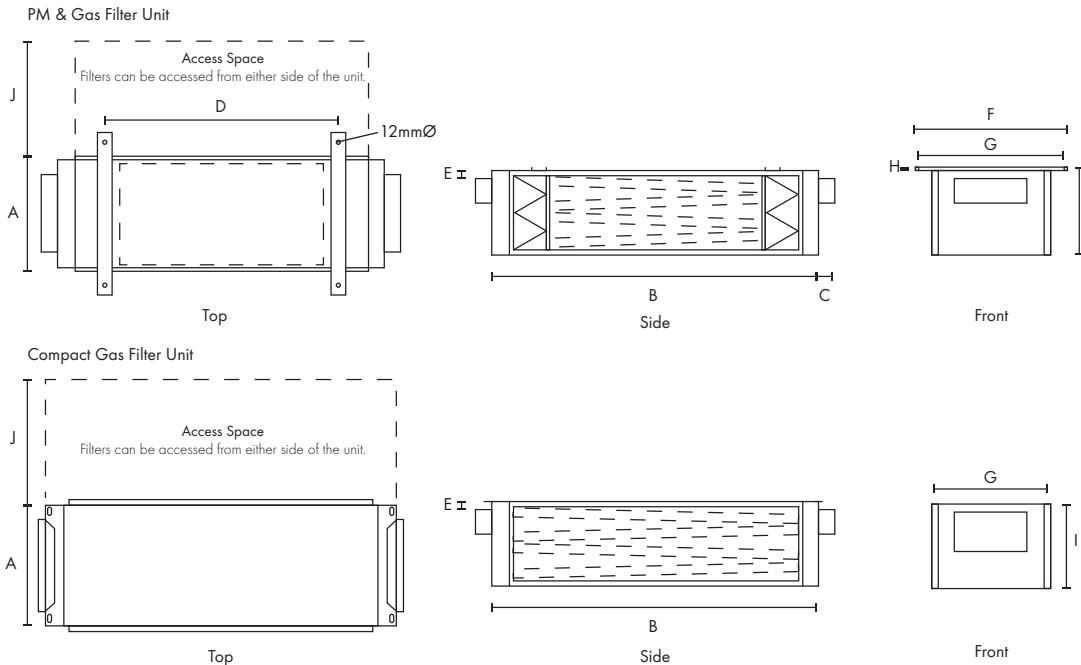
Model Range	Stock Ref	Airflow l/s	Intake Spigot (mm)*	Exhaust Spigot (mm)*	Filter Types	Clean Filter Pressure Drop (Pa)	Approximate Unit Weight (kg)
Standard Gas Filter Unit	PA50-125125-25	50	125Ø	125Ø	PM2.5 x 2-off & NO <sub>2</sub> x 4-off	100	25
	PA50-125204-25	50	125Ø	204x60	PM2.5 x 2-off & NO <sub>2</sub> x 4-off	100	25
	PA50-204204-25	50	204x60	204x60	PM2.5 x 2-off & NO <sub>2</sub> x 4-off	100	25
	PA50-125125-10	50	125Ø	125Ø	PM10 x 2-off & NO <sub>2</sub> x 4-off	45	25
	PA50-125204-10	50	125Ø	204x60	PM10 x 2-off & NO <sub>2</sub> x 4-off	45	25
	PA50-204204-10	50	204x60	204x60	PM10 x 2-off & NO <sub>2</sub> x 4-off	45	25
	PA100-150150-25	100	150Ø	150Ø	PM2.5 x 4-off & NO <sub>2</sub> x 8-off	100	49
	PA100-150220-25	100	150Ø	220x90	PM2.5 x 4-off & NO <sub>2</sub> x 8-off	100	49
	PA100-220220-25	100	220x90	220x90	PM2.5 x 4-off & NO <sub>2</sub> x 8-off	100	49
	PA100-150150-10	100	150Ø	150Ø	PM10 x 4-off & NO <sub>2</sub> x 8-off	45	49
	PA100-150220-10	100	150Ø	220x90	PM10 x 4-off & NO <sub>2</sub> x 8-off	45	49
	PA100-220220-10	100	220x90	220x90	PM10 x 4-off & NO <sub>2</sub> x 8-off	45	49
	PA200-200200-10	200	200Ø	200Ø	PM10 x 8-off & NO <sub>2</sub> x 16-off	45	96
PA200-250250-10	200	250Ø	250Ø	PM10 x 8-off & NO <sub>2</sub> x 16-off	45	96	
PA300-315315-10	300	315Ø	315Ø	PM10 x 12-off & NO <sub>2</sub> x 24-off	45	144	
Compact Gas Filter Unit	PAC50-125	50	125Ø	125Ø	NO <sub>2</sub> x 4-off	45	23
	PAC50-150	50	150Ø	150Ø	NO <sub>2</sub> x 4-off	45	23
	PAC50-204	50	204x60	204x60	NO <sub>2</sub> x 4-off	45	23
	PAC50-220	50	220x90	220x90	NO <sub>2</sub> x 4-off	45	23
	PAC100-125	100	125Ø	125Ø	NO <sub>2</sub> x 8-off	45	45
	PAC100-150	100	150Ø	150Ø	NO <sub>2</sub> x 8-off	45	45
	PAC100-204	100	204x60	204x60	NO <sub>2</sub> x 8-off	45	45
	PAC100-220	100	220x90	220x90	NO <sub>2</sub> x 8-off	45	45

\*Airflow may be reversed through the unit to offer alternative spigot options.

Example Stock Ref:



## Dimensions (mm)



Model Range	Airflow l/s	A	B	C	D	E	F	G	H	I	J
Standard Gas Filter Unit	50	320	980	50	700	25	435	405	10	220	325
	100	620	980	50	700	25	730	700	10	220	325
	200	620	980	50	700	110/85	730	700	10	420	650
	300	620	980	50	700	160	730	700	10	630	960
Compact Gas Filter Unit	50	320	690	-	-	25	-	260	-	180	325
	100	620	690	-	-	25	-	560	-	180	325