Compact Pure Air Filter
Accessories

The Manrose Compact Pure Air Filter combines particulate and gas filters to remove pollutants prior to entering residences and commercial buildings through mechanical ventilation and heat recovery systems. The Manrose Compact Pure Air Filter 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 Manrose Compact Pure Air Filter 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.

- Removes NOX and other gases
- 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

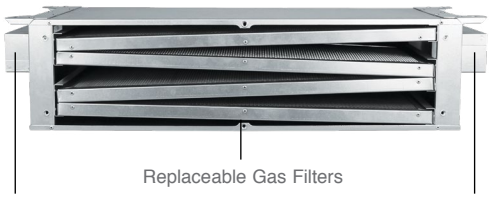
Unit Specification

The Manrose Compact Pure Air Filter 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.

Pollutant Gases, NO_2, SO_2, O_3, VOC

The gas stage filters in the Manrose Compact Pure Air Filter 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



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Available ducting sizes

110 x 54mm | 150 x 70mm | 204 x 60mm | 220 x 90mm
225 x 25mm | Ø 100mm | Ø 125mm | Ø 150mm

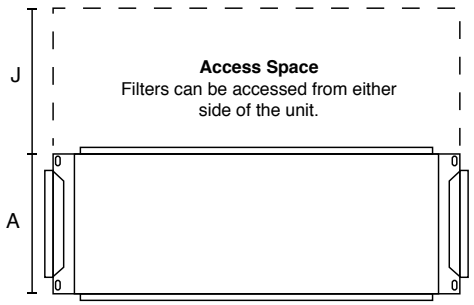
MANROSE®

Technical Details

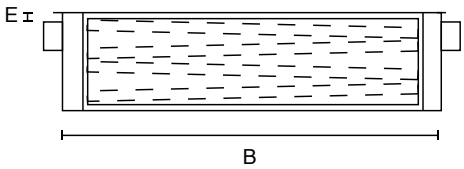
Cat. No.	Product type
CPAF50-125	Compact Pure Air Filter 50 l/s – 125mm PM10 Filter
CPAF50-220	Compact Pure Air Filter 50 l/s – 220x90mm PM10 Filter
CPAF50-204	Compact Pure Air Filter 50 l/s – 204x60mm PM10 Filter
CPAF100-150	Compact Pure Air Filter 100 l/s – 150mm PM10 Filter
CPAF100-220	Compact Pure Air Filter 100 l/s – 220x90mm PM10 Filter

Cat.No.	Airflow (l/s)	Intake Spigot (mm)	Exhaust Spigot (mm)	Filter Types	Clean Filter Pressure Drop (Pa)	Approximate Unit Weight (kg)
CPAF50-125	50	125Ø	125Ø	NO_2 x 4-off	45	23
CPAF50-220	50	204x60	204x60	NO_2 x 4-off	45	23
CPAF50-204	50	220x90	220x90	NO_2 x 4-off	45	23
CPAF100-150	100	150Ø	150Ø	NO_2 x 8-off	45	45
CPAF100-220	100	220x90	220x90	NO_2 x 8-off	45	45

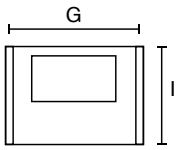
Dimensions (mm)



Top



Side



Front

Airflow (l/s)	A	B	C	D	E	F	G	H	I	J
50	320	690	-	-	25	-	260	-	180	325
100	620	690	-	-	25	-	560	-	180	325