



Plasma Ionisation Accessory for All AC Ducted units

A plasma ionisation unit can be fitted into the return air side of a ducted unit to provide a continuous stream of ionised particles using Plasma Air's Bi-Polar Ionisation system, neutralising pathogens such as bacteria and viruses as well as moulds and odours.

Applicable concealed ceiling units.

The PA604 can be fitted to the supply return air side of a ducted fan coil.



The power supply can be run from the fan coil supply – please see install instructions for correct fitment and placement in the air stream.

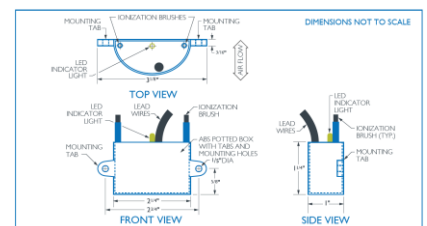
The Plasma Air Bi-Polar Ionisation system

The Plasma Air 600 Series **Models 604** are needlepoint brush-type ionisers producing an equal amount of positive and negative ions neutralising harmful pollutants and odours. This unit is highly versatile as it may be installed at the fan inlet of an air handling unit, fan coil unit and VRV/VRF duct system. The 600 Series is self-contained in a potted ABS box with a moulded flange and mounting holes. The unit is protected with an inline 500mA glass cartridge fuse. Each ionisation unit is capable of ionising a supply airflow of 4000 m³/hr



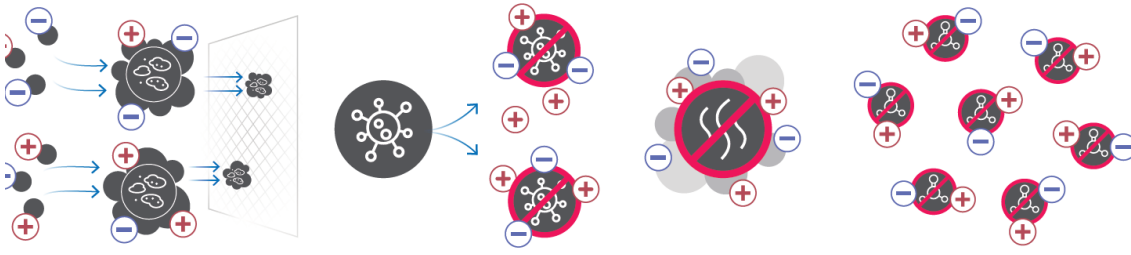
PA604

- Silent and invisible
- Independently proven safe and effective for continuous use
- Easy to install in existing or new HVAC systems
- Requires no replacement parts
- 3-year standard warranty
- Tested and passed UL 867 for ozone and safety



How bipolar ionisation improves indoor air quality

Plasma Air technology produces a natural bio-climate rich in positive and negative oxygen ions. The negative ions contain an extra electron while the positive ions are missing an electron resulting in an unstable condition. In an effort to restabilise, these bipolar ions seek out atoms and molecules in the air to trade electrons with, effectively neutralising particulate matter, bacteria and virus cells, odorous gases and aerosols, and VOCs.



PARTICULATE

Airborne particles, such as smoke, dust, pollen and spores are charged by the ions through ionic bonding. These charged particles stick together increasing their size allowing them to be easily removed by low grade filters.

BACTERIA & VIRUSES

As they divide to reproduce, bacteria and virus cells bond with oxygen ions and are destroyed.

ODOROUS GASES

Odorous gases and aerosols oxidize on contact with oxygen ions and are neutralised.

VOLATILE ORGANIC COMPOUNDS

Oxygen ions cause a chemical reaction with VOCs breaking down their molecular structure.

Comparison with other technologies

	Bipolar Ionization	PCO	Ozone Generators	Traditional Filtration	HEPA / Fine Grain Filters	Carbon
Effectiveness	99%	Marginal	99%	Minimal	0 - 99.7%	Marginal
Particle Size	Small < 2.5µm	Large > 5µm	Small < 2.5µm	Large > 5µm	Small > 0.3µm	N/A
Treats in Room Air	YES	YES	YES	NO	NO	NO
Replacement Parts Needed	NO	YES	YES	YES	YES	YES
Maintenance Required	NO	YES	YES	YES	YES	YES
Produces Harmful Byproducts	NO	YES	YES	NO	NO	NO
Energy Costs	\$	\$\$	\$	\$\$	\$\$\$	\$\$\$

Pricing

Plasma Air unit	Unit price	Code
Unit PA604	£265.00	TBC

Price excluding VAT , price includes supply of the unit, price excludes installation. Nett price not subject to discount

Terms and conditions

SK Sales does not warranty against the effectiveness of Plasma Air Bi-Polar Ionisation system in reducing Pathogens. Ducted units will only function with Plasma Air Bi-Polar Ionisation system and SK Sales warranty the equipment for a period of 3 years from the date of purchase based on failed or malfunctioning product purchased.

