

# SG-BPI-2V

## FCU Mounted Bipolar Ioniser

Coverage up to 200 SqM



### SPECIFICATIONS

#### Product information

Adaptive air volume	Up to 3,500 CFM (6,000 m <sup>3</sup> /h)
Application area	Up to 200 SqM
Shell material	Metal material
Weight	2.7 kg
Product size	178*103*260 mm
Noise	≤20 dB

#### Electrical

Rated Voltage	220V AC / 240V AC
Frequency	50 / 60 Hz
Power	8 W

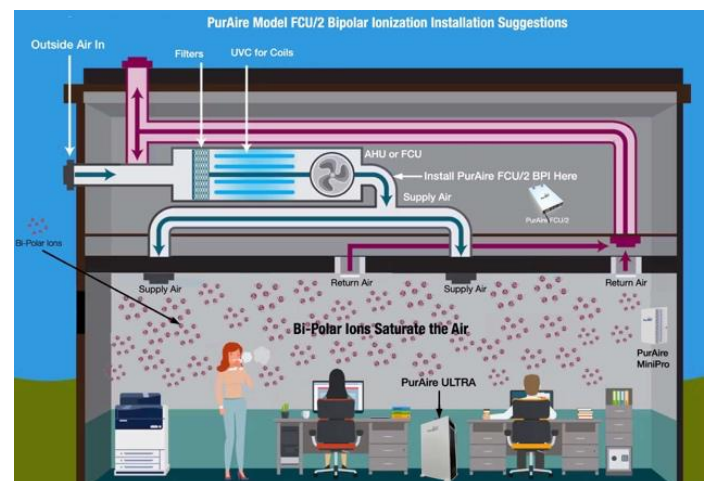
Internal Fuse/overload safety protection design and Power dual protection

#### Ionization Tube

Quantity	2 pcs
Size	180 - 230 - 350 - 520 mm
Estimated Tube Life	17,000 Hours
Material	Various composite materials, stainless steel outer mesh



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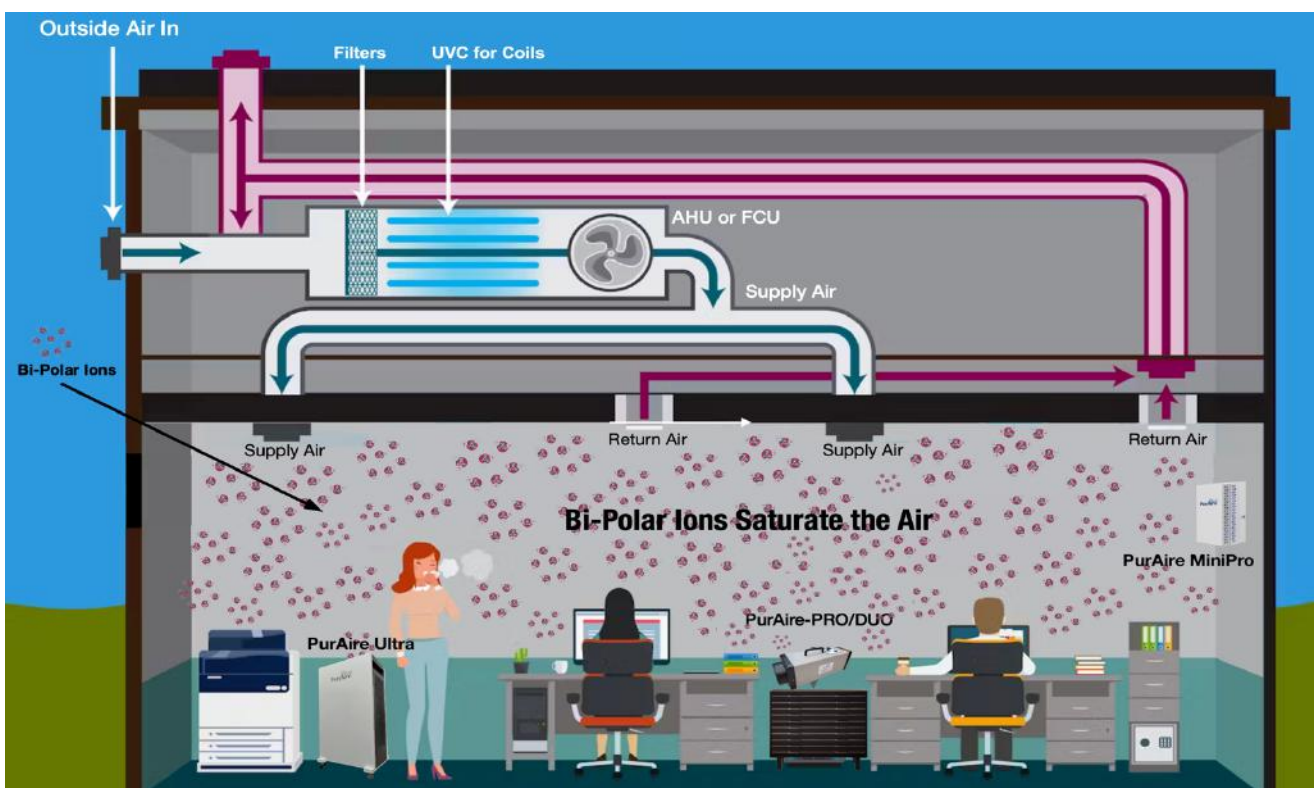
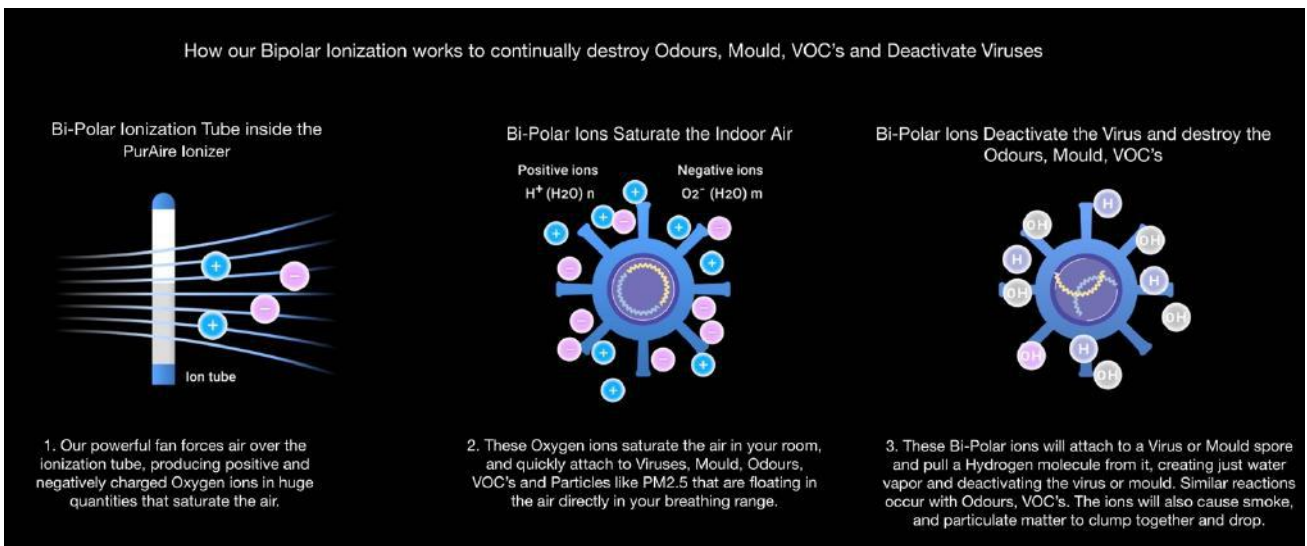
The PurAire SG-BPI-2 Bipolar Ionisation unit is designed to be placed inside or mounted in the supply duct or FCU of a ventilation system. The airflow over the dual ionisation tubes produces powerful bipolar oxygen ions that flow into the room and saturate the indoor space with the ions.

Odours, mould, mildew, tobacco smoke, VOC's are quickly eliminated leaving the indoor air purified and sanitized.

The SG-BPI-2 has an adjustable ionisation level switch to regulate the ionization level and a built-in airflow switch.

The AC power to this model can be controlled by the airflow switch or simply interlocked with the FCU's power, and activated when the FCU is turned on.

# Here's how PurAire's Bipolar Ionization works to eliminate Odours, Mould, Tobacco Smells and Viruses on contact.



**Odours including Mould, Mildew and Tobacco smells, and Viruses including Covid-19 and Flu** are spread throughout your guest room or public areas by clinging to tiny aerosol droplets. These droplets can float around for 5 to 10 minutes at the very level that you breathe. They are not sucked back up into the aircon filters. You inhale them and can get infected, or your sense of smell detects the offensive odour.

Our Bipolar Ionization continuously saturates your indoor air with powerful positive and negative Oxygen ions created by air passing over our Dielectric Barrier Discharge (DBD) Ionization Tubes. These tubes create a powerful **Cold Plasma Corona Discharge**, which ionizes the Oxygen molecules and fills your room with these ions.

These + and - charged Oxygen Ions are attracted to and bond with those odours, mould, mildew, even tobacco smells, Viruses and those dangerous PM2.5 particles. The ionization quickly deactivates or destroys them on contact, or causes them to agglomerate (stick together) and drop out of your breathing range.

Your air is deodorized, sanitized and restored to what we like to say is "Swiss Mountain-Top Freshness". You and your PurAire guests will quickly smell and notice the difference.