

MODEL SG-FCU/2

Fan Coil Mounted Bipolar Ionizer

Mould and Odour removal in Guest rooms of up to 60 M²



SPECIFICATIONS

Product information

Adaptive air volume	Up to 3,500 CFM (6,000 m ³ /h)
Application area	150 m ²
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

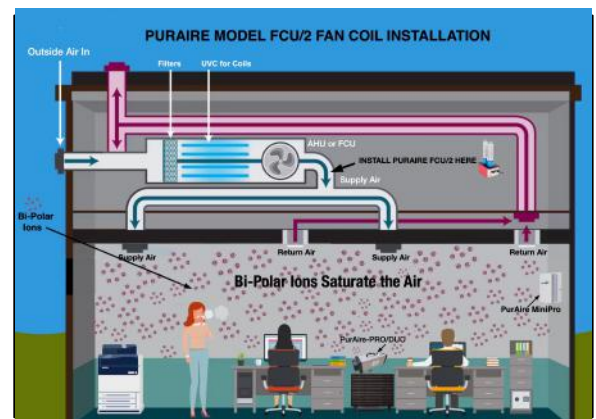
Internal Fuse/overload safety protection design and Power dual protection

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



PurAire FCU/2



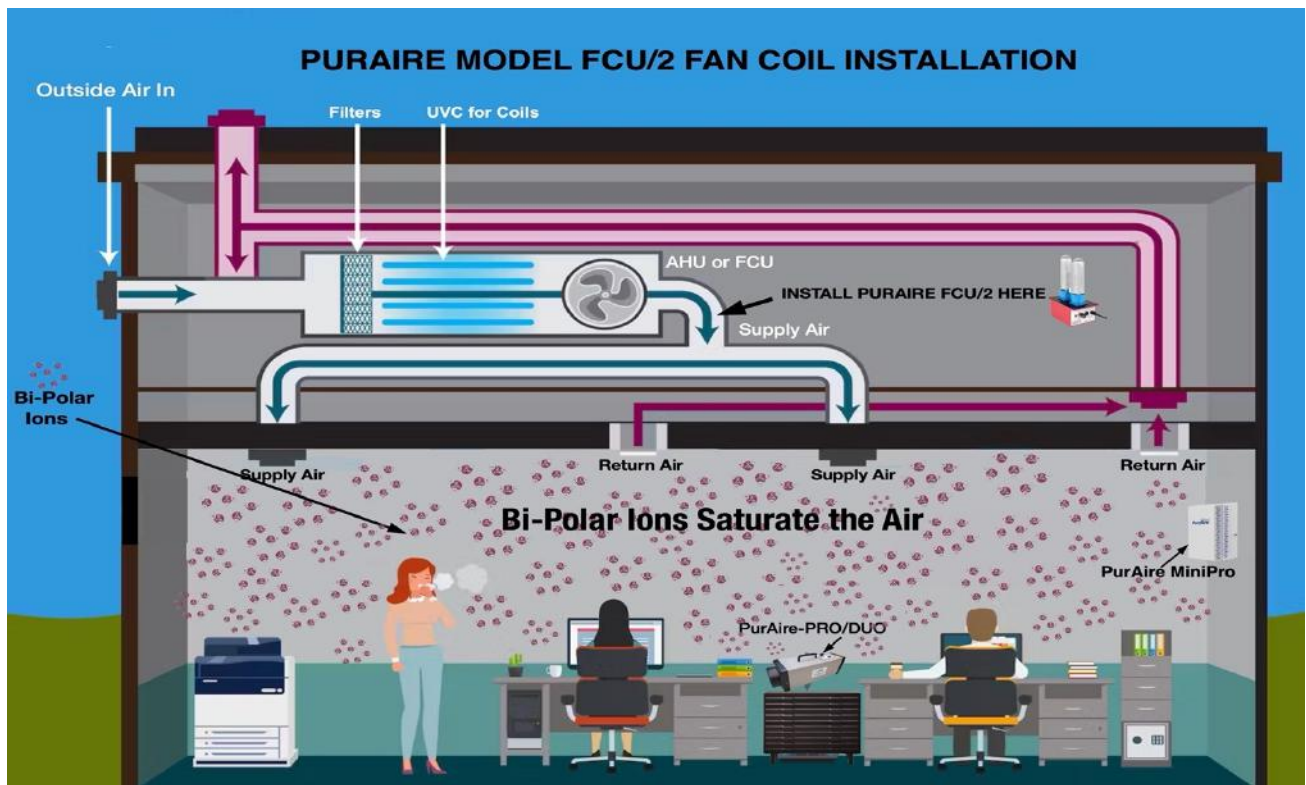
The PurAire SG-FCU/2 Bipolar Ionization unit is designed to be placed inside or mounted in the supply duct or FCU of a ventilation system. The airflow over the dual ionization tubes produces powerful bipolar oxygen ions that flow into the room and saturate the indoor space with the ions.

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

The SG-FCU/2 has an adjustable ionization level switch to regulate the ionization level

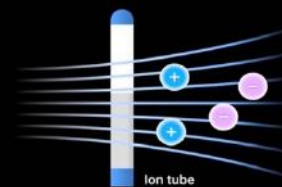
The AC power to this model can be controlled by an airflow switch or simply interlocked with the FCU's power, and activated when the FCU is turned on.

How PurAire's Model FCU/2 Bipolar Ionizer works to eliminate Mould, Mildew, Odours, Tobacco Smells and Viruses on contact.



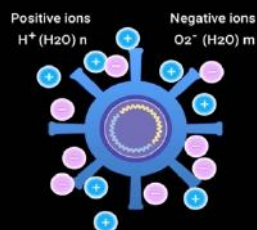
How our Bipolar Ionization works to continually destroy Odours, Mould, VOC's and Deactivate Viruses

Bi-Polar Ionization Tube inside the PurAire Ionizer



1. Our powerful fan forces air over the ionization tube, producing positive and negatively charged Oxygen ions in huge quantities that saturate the air.

Bi-Polar Ions Saturate the Indoor Air



2. These Oxygen ions saturate the air in your room, and quickly attach to Viruses, Mould, Odours, VOC's and Particles like PM2.5 that are floating in the air directly in your breathing range.

Bi-Polar Ions Deactivate the Virus and destroy the Odours, Mould, VOC's



3. These Bi-Polar ions will attach to a Virus or Mould spore and pull a Hydrogen molecule from it, creating just water vapor and deactivating the virus or mould. Similar reactions occur with Odours, VOC's. The ions will also cause smoke, and particulate matter to clump together and drop.

Mould and mildew spores float in the air and attach to your carpeting, furnishings, wall coverings and quickly breed. Odours such as tobacco smells, food, body odours and perfumes spread throughout your guest rooms and public areas by attaching to tiny aerosol droplets. These droplets can remain suspended in the air for 5 to 10 minutes or more until they finally attach to something in the room.

Our FCU/2's Bipolar Ionization technology continuously, 24/7, fills your indoor guest room air with powerful positive and negatively charged Oxygen Ions that are generated by air passing over our Dielectric Barrier Discharge (DBD) Ionization Tubes. These tubes create a Cold Plasma Corona Discharge that ionizes the oxygen molecules, and releases them into the room through the FCU, and silently saturates your guest room.

The positively and negatively charged Oxygen Ions bond with these odours, mould and mildew spores, tobacco smells, etc. The ionization process quickly neutralizes or kills these contaminants upon contact.

This results in air that is deodorized, sanitized, and restored to what we call "Swiss Mountain-Top Freshness."