

# MODEL SG-BPI-12 SERIES

(Available with either Vertical or Horizontal Ion Tubes)

Coverage area up to 2,500 SqM



## SPECIFICATIONS

### Product information

|                     |                        |
|---------------------|------------------------|
| Adaptive air volume | 21,000 CFM; 36,000 CMH |
| Application area    | up to 2,500 SqM        |
| Shell material      | Powder Coated steel    |
| Weight              | 13.3 kg                |
| Product size        | 710*280*450 mm         |
| Noise               | ≤20 dB                 |

### Electrical

|                                                                           |                   |
|---------------------------------------------------------------------------|-------------------|
| Rated Voltage                                                             | 120V AC / 240V AC |
| Frequency                                                                 | 50 / 60 Hz        |
| Power                                                                     | 45 to 60W         |
| Internal Fuse/overload safety protection design and Power dual protection |                   |

### Ionization Tube

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| Quantity            | 12 pcs                                                  |
| Size                | 350 or 520mm                                            |
| Estimated Tube Life | 17000 Hours                                             |
| Material            | Various composite materials, stainless steel outer mesh |



## APPLICATION

The SG-BPI-12 Series DBD Bipolar Ionization unit is designed to be mounted in the supply air duct or air handling system of a heating, cooling, or ventilation system. On/Off power to the unit can be controlled at the unit itself, or with an optional air pressure differential switch, interlocked with the HVAC's fan operation, or controlled by the BMS with our optional MODBUS connectivity module.

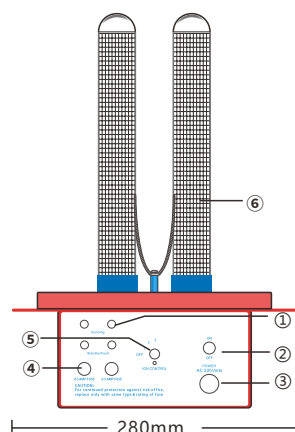
Ionization intensity is adjustable with the three-step knob on the unit.

Optional:

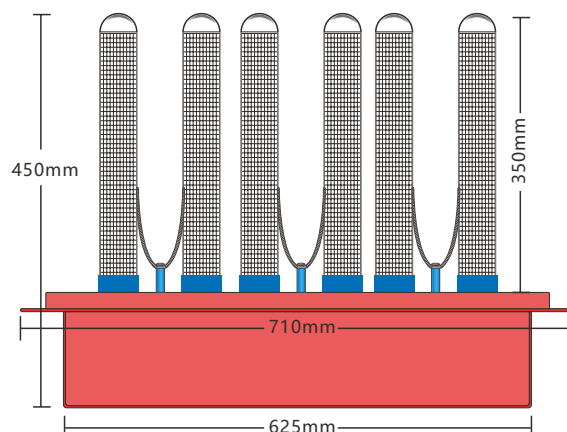
1. Air flow (differential pressure) switch
2. RS485 MODBUS Connection Module
3. Ion intensity control sensor
4. Dry contacts

Indicator light display description:

1. Power on the device and turn on the switch. If the indicator is red, the device is in standby state.
2. Open the ion switch, the red light is off, and the green light is on, indicating normal operation. If a fault occurs, the red light will return until the fault is rectified.



- ① Running lights  
④ Fuse



- ② Power switch  
⑤ Ion control  
③ Power cord  
⑥ Ion tube