

# BA-600 Ion Distribution System

## Product Summary

The BA-600 Ion Distribution System is the Gold Standard in Air Purification Technology. The BA-600 is **UL-2998 certified for zero ozone emissions** and UL-867. These units are designed for room installation to proactively **attack airborne viruses directly at the breathing zones**. BSE's Ion Distribution System works independently or in conjunction with the HVAC system.

Our units are manufactured to feature a **"Plug and Play"** industrial grade construction, whisper quiet acoustics, wireless speed control, and a 180 degree discharge pattern. The units require very little maintenance, and are portable or can be wall mounted. The advanced aero-acoustical discharge ports coupled with our proprietary ionization technology, optimize the ion plume discharge, and elongates the ion's life span to correspond geometrically to the room's breathing zones. The result is a continuous discharge of millions of ions saturating the room breathing zones and mitigating the airborne pathogens.


## Total Ion Output


| Distance from the Device | Fan Setting |           |           |           |           |           |
|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
|                          | Level 1     | Level 2   | Level 3   | Level 4   | Level 5   | Level 6   |
| 2 ft                     | 1,300,000   | 1,300,000 | 1,550,000 | 1,550,000 | 1,703,000 | 1,709,000 |
| 5 ft                     | 260,000     | 490,000   | 825,000   | 1,070,000 | 1,160,000 | 1,250,000 |
| 10 ft                    | 210,000     | 275,000   | 285,000   | 300,000   | 315,000   | 350,000   |
| 15 ft                    | 95,000      | 110,000   | 150,000   | 200,000   | 235,000   | 265,000   |
| 20 ft                    | 55,000      | 95,000    | 100,000   | 115,000   | 135,000   | 160,000   |
| 25 ft                    | 35,000      | 90,000    | 100,000   | 130,000   | 140,000   | 150,000   |


\* Units for the ion output are Ions/cm<sup>3</sup>


\*\* Area coverages vary based on factors such as room cleanliness, room layout, ion to air saturation levels and variables.

## Benefits

 **Pathogens Neutralized (Bacteria, Viruses, Mold), Helps to Control Allergens**

 **Particle Reduction and Smoke Control**

 **Odors Neutralized by destroying VOCs**

 **Energy Savings of 30% by Reducing Outdoor Air Intake by up to 75%.**

## Standard Features

- **MERV 6 filter** at fan inlet
- **6-speed Bluetooth Remote**
- **1" legs at inlet** to allow for **table-top use** instead of mounting

The unit covers **up to 1,000 square feet.**

**Minimal maintenance required!**

## Commercial Applications

- ✓ Schools and Universities
- ✓ Healthcare
- ✓ Fitness Center
- ✓ Retail
- ✓ Hospitality
- ✓ Restaurants
- ✓ Government
- ✓ Worship
- ✓ Senior Living Facilities
- ✓ Conference Rooms
- ✓ Sports & Entertainment Venues
- ✓ Theater and Auditoriums

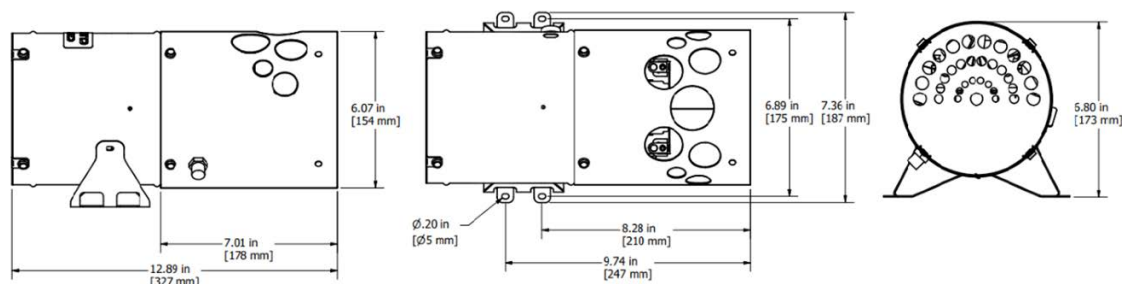


## Important Information

Be wary of competitors ion output claims. Typical measurements taken directly at the needlepoint brushes can be misleading due to many factors. For ionizers to be effective, the ions have to be concentrated in the breathing zones. Ionizers placed inside HVAC air distribution systems, including air handlers, ducts, VAV terminals, dampers, and diffusers, will most likely produce little to no ions in the actual breathing zone, especially after discharging through a supply diffuser designed for the Coanda effect. Ions have a limited life and the more surfaces and particles they come in contact with, the faster they become neutralized. Through our testing, ionization devices not installed directly in the breathing zone are not conducive for maximizing ion output at the breathing zone. Please reference our BA-350, BA-600, BA-800, and BA-1000 for maximum ion outputs directly at the breathing zone. Our products are rated and tested for ion output from 2 feet to 40 feet away from our devices, directly at the breathing zone in real world conditions.



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## Filter Info

- Includes 1 MERV 6 filter
- Replace every 6 months for optimal use
- Part #: BA-600-FILTER

**Note: BA-600 not compatible with BSE stand kit.**

## Specifications

|                           |   |
|---------------------------|---|
| Model                     | BA-600  |
| Unit Dimensions           | 6" Diameter (152) / 12.89" Length (327) (mm)                                |
| Material Casing           | Powder Coated Steel   |
| Plug Length               | 7 Feet  |
| Fan                       | 6-pole Brushless EC with Auto-Restart Lock Protection and Soft Start        |
| Airflow Capacity          | 350 CFM   |
| Area Coverage             | Up to 1,000 sq ft   |
| Max Speed                 | 5,000 RPM   |
| Sound Output*             | 31 – 60 dB  |
| Speed Controller          | PWM, 0 – 10V, 6 Speed Wireless Remote                                       |
| Fan Bearings              | Dual Ball NMB   |
| L10 Life Expectancy       | 70,000 Hours  |
| Weight                    | 6.4 lbs.  |
| Operating Temperature     | 15°F – 140°F (-10°C-60°C)   |
| Electrical: Voltage Input | 110 – 120 Vac   |
| Power Consumption         | 40 Watts  |
| Frequency                 | 50/60 Hz  |
| Current                   | 0.6 A   |
| Certifications            | UL 2998, UL 867 ETL Listed, conforms to UL Standard 507, Fan Blade UL 94V-0 |



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