

# AC Ionizing Blower

## ***Inherent Stability***

The BFN 801 benchtop ionizing blower, with inherently stable AC technology, provides excellent balance and rapid charge decay for secure workstation protection. Designed to protect most sensitive electronic devices, the BFN 801 uses corona ionizing technology to continuously produce a balanced output of positive and negative air ions.

## ***Performance and Design Excellence***

BFN series AC ionizers from Transforming Technologies create a dense and well-balanced ionization current. They are unique in their ability to deliver fast decay times with low offset voltages. Continuous balance and decay protection is assured by the reliable AC design. An integrated emitter point cleaner, removable front and rear fan guards, safety switch combine to make the BFN 801 a user friendly ionizer.



### ***Features***

- AC ionization output
- Integrated emitter cleaning device
- Variable fan speed control
- Removable finger guards with auto shut-off sensor

### ***Benefits***

- $\pm 10$  volt balance; Assured stability over time
- Keeps emitters free from contamination
- Adjustable for varied work applications
- Easy to clean and safe to access

## Model BFN 801 *AC Ionizer*

### ***Typical Applications***

- Electronic assembly
- Medical device assembly and packaging
- Semiconductor mfg.



**Transforming Technologies,**

*Outstanding Alternatives in Static Control*

# BFN 801 Ionizing Blower

## Product Specifications

### Power Input

120 V AC, 60 Hz., 36W  
220 V AC, 50Hz.

### Dimensions

7.0" W x 10.25" H x 3.75" D  
(17.8W x 26.0H x 9.5D cm)

### Weight

8.25 lb (3.75 kg)

### Air Volume

50 CFM – 100 CFM (low— high)

### Effective Coverage

1'x5' area coverage

### Balance

0 ±10 volts

### Decay Time

< 2 seconds @12", 1000V-  
100V, fan speed on high

### RH Operating Range

20-60%, non-condensing

### Indicators

ON/OFF status light indica-  
tor, detects presence of HV  
on emitter points

### Temperature

32-122° F (0-50° C)

### Ozone Production

< 0.003 ppm, 12" in front of  
unit, EPA EQOA577019

### Audible Noise

44dB(A) (Distance 1 meter)

### Enclosure

Steel

### Finish

Powder coat, off white

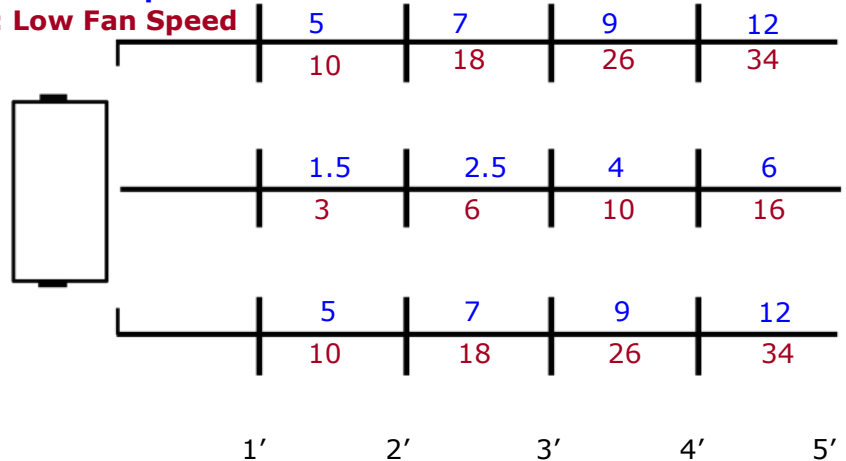
### Approvals

CE

## BFN 801 Charge Decay Efficiency (Discharge Time)

Blue: Hi Fan Speed

Red: Low Fan Speed



Tested in accord with ANSI/ESD STM3.1-2006

### Discharge times

determined as per  
EOS/ESD Standard

No.3 using

6" x6" 20 pF charge

plate monitor. Dis-

charge times are in

seconds from 1000V to

100 V, Discharge times

are slightly longer for

230V, 50 Hz

### About Transforming Technologies

Transforming Technologies offers a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are integral components of an effective static control program.

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.



Transforming Technologies, LLC

3719 King Road.  
Toledo, OH 43617

Phone: 1.419.841.9552

Fax: 1.419.841.3241

www.transforming-technologies.com

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