

Static & Contamination Control

D11 Defender 1-Fan Ionizer



The **Defender 1-Fan Ionizer** is ideal for ESD & ESA Protection for applications ranging from Sensitive Electronics Assembly to Medical Device Manufacturing and Packaging. Featuring HDC-AC Technology, the D11 delivers efficient balanced ionization protecting your Workstation, equipment, products and materials against costly damage due to ESD, and from excessive contamination due to ESA (electrostatic attraction).

■ APPLICATIONS

- Control Static in ESD Sensitive Electronics, Automotive or Medical Assembly
- Eliminate ESA (electrostatic attraction) of Particulates for Medical Device, Electronics, Pharmaceutical and Packaging, and for all materials and components in cleanroom applications
- Eliminate static cling and repulsion of materials and parts in Injection Molding, totes/bins, conveyors, de-gating/de-flashing stations, and assembly
- Benchtop Medical Production and Testing
- PCB and Semiconductor Fabrication

■ SPECIFICATIONS

- Input Voltage: 24vDC
- Input Power: 12VA
- High Voltage Output: $\pm 7,500V$ o-p approx.
- Ion Balance: $\pm 3V$ or less
- Airflow: 49.44 to 123.60 cfm (1.4 to 3.5 m³/min)
- LED Indicators: Power (Green), High-Voltage Abnormal (Red)
- Ozone: Under 0.004 ppm @ 150mm distance
- Environment: 0~40 °C / 32~104 °F; 15~85% RH non-condensing
- Dimensions: 150x182x76mm/5.90x7.16x2.99"
- Weight: ~1.0kg / 2.20 lbs



D11

■ FEATURES & BENEFITS

- Compact BenchTop Ionizing Fan
- ANSI/ESD S20.20 Compliant
- Consistent and reliable static charge neutralization at workstation
- Adjustable fan speed for easy optimization
- HDC-AC Technology for improved performance, superior Ion Balance, and reduced Maintenance
- Multiple Alarm LED Indicators
- Rugged construction requiring minimal maintenance with easily replaceable air filter
- Adjustable-angle mounting stand, adaptable for benchtop, shelf and/or wall location