

Static & Contamination Control JetAURA Ionizing Gun



The **JetAURA Ionizing Gun (JAG-IV)** is a compact, lightweight ionizing air-gun that eliminates static electricity and cleans products in Electronics, Semiconductor, Medical Device and Industrial manufacturing. The **JetAURA** has excellent Ion Balance and fast Static Decay Rates that make it the ideal choice for most applications that require static elimination. The **JetAURA** is configurable using custom nozzles and blow-modes, such as pulsed or steady blow-off, for specific applications, and the powerful air stream it generates is ideal for blowing away dust and particulates with ionized air.

■ APPLICATIONS

- Medical applications including:
 - Parts cleaning
 - Package cleaning
- Optics processing, assembly, cleaning and packaging
- Injection Molded parts cleaning (e.g., de-gating, mold-flash, airborne particles)
- Ideal for ESD Sensitive Electronics or Medical Assembly applications & cleaning
- PCB and Semiconductor Cleaning

■ SPECIFICATIONS

- Input Voltage: 24 V DC
- Balance: +/-15V
- Size: 169mm x 33mm x 169mm (6.6" x 1.3" x 6.6")
- Weight: 310g (0.68 lbs.)
- Certifications: CE
- Air Pressure Range: 7-87psi



JAG-IV

■ FEATURES & BENEFITS

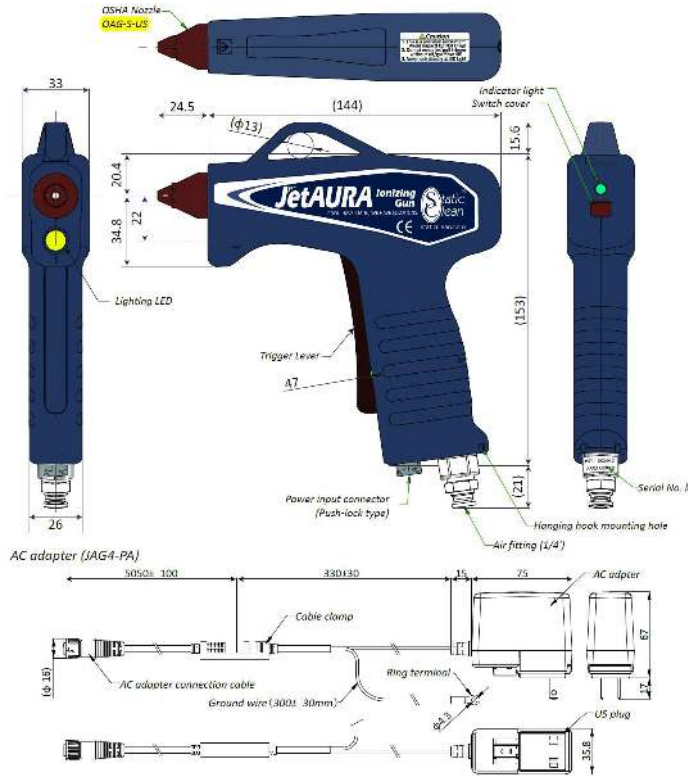
- Ergonomically friendly, balanced and lightweight design for a great in-hand feel
- High-Frequency AC Discharge Technology for fast static elimination and efficient ion balance
- Built in Piezoelectric Transformer ensures a safe product design with no heavy exposed high voltage cables
- LED indicates Standby, Normal Ionization, or Fault Conditions
- New, configurable 5Hz or 10Hz pulsed-air mode for optimal cleaning of products with difficult geometries and crevices
- High-Brightness LED with optional off-delay, ideal for inspecting parts during cleaning
- Efficiently Ionizes CDA (Clean Dry Air) or Nitrogen

■ EVERY CLEANROOM WITH A [JETAURA] IONIZING BLOW-OFF GUN CAN BENEFIT FROM USING A PARTICLE TRAP® .

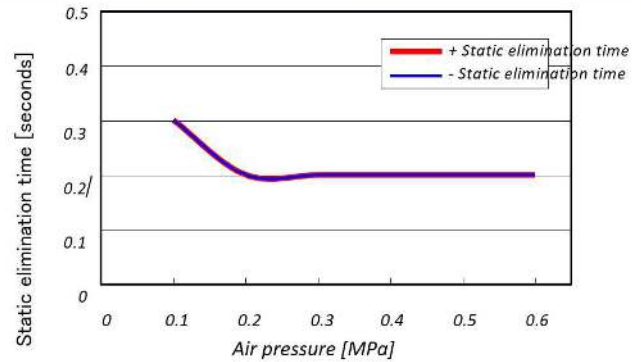
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DIMENSIONS



STATIC ELIMINATION PERFORMANCE



Note 1: Measured using a 150 mm, 20 pF charged plate monitor.

Note 2: The static elimination time is \pm decay time from 1000 V \rightarrow \pm 100 V.

Note 3: The above data is an actual measurement and not a guaranteed value.

Specifications

Ionization:	High-Frequency AC Corona Discharge
Construction:	Main Body: PBT; Nozzle: PPS
High Voltage Output:	~2,500 VAC (3 pF, 100Mohms)
LED Status Indicator:	Green: Standby - Connected to power (trigger off) Blue: Ionizing - Normal high-voltage output (trigger on) Red: Fault - Abnormal high-voltage output
Electrical Input:	24 VDC \pm 5%, 2.4VA to JAG-IV JAG4-PA AC-DC Adaptor included; see accessories section below for details
Air/Gas Supply:	Air Pressure: 0.05~0.6 MPa (7~87 PSI) Air Fitting: 1/4" PTC Push-To-Connect + 1/4" OD x 78" (2m) urethan air tube (<i>included</i>) CDA (clean, dry compressed air) or *Nitrogen: 380 Lpm (13.42 CFM) or less
Weight:	310g / 0.68 lbs. (excluding cable)
Dimensions:	169mm x 33mm x 169mm (6.6" x 1.3" x 6.6"); body only
Environmental:	0~40°C / 32~ 104°F; Indoor only: 15~65% RH non-condensing
Ozone:	0.04 ppm or less (at 29.00psi (0.2MPa), 7.87" (200 mm) from ozone meter nozzle)
Certification:	CE Certified
Included Accessories:	JAG4-PA AC/DC Power Adaptor for JetAURA Ionizing Gun, 100~240, 1.0A VACi:24VDCo, 197" (5m) cable with: (1) US 115V Plug, (1) EURO Plug & (1) UK PLUG detachable/replacable stainless steel hanging hook & discharge needle removal/installation tool <i>* Must use Nitrogen rated nozzle to maintain balance for ESD applications</i>
Part Numbers	JAG-IV Accessories & Spares
ASFRG 14C	Dual-Stage Compressed Air Filter, Regulator & Gage w/5.0-micron primary filter and 0.01-micron secondary coalescing filter
SHOAG-S-US	Standard Black Teflon Nozzle Assembly w/ OSHA Tip.
SHSN-US	Conductive Black OSHA Nozzle Tip Only, fuv JAG-IV, AGZIII & ZappAURA(-II)