## Static & Contamination Control JetAURA lonizing Gun

The JetAURA lonizing Gun (JAG-IV) is a compact, lightweight lonizing air-gun that eliminates static electricity and cleans products in Electronics, Semiconductor, Medical Device and Industrial manufacturing. The JetAURA has excellent lon 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.

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- Medical applications including:
  - Parts cleaning
  - Package cleaning
- Optics processing, assembly, cleaning and packaging
- Injection Molded parts cleaning (e.g., degating, 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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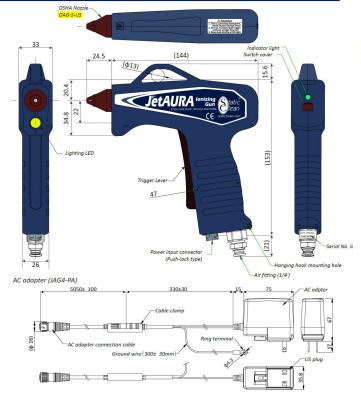




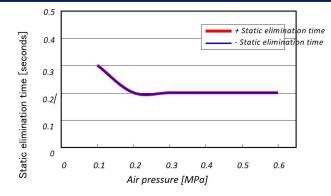
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### **STATIC ELIMINATION PERFORMANCE**



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
lonization:	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-volage output (trigger on)
	Red: Fault - Abnormal high-voltage output
Electrical Input:	24 VDC ±5% , 2.4VA to JAG-IV
	JAG4-PA AC-DC Adapter 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:	$0 \sim 40^{\circ}$ C / 32 $\sim 104^{\circ}$ F; Indoor only: 15 $\sim 65\%$ 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 lonizing 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
	* Must use Nitrogen rated nozzle to maintain balance for ESD applications
Part Numbers	JAG-IV Accessories & Spares
ASFRG14C	Dual-Stage Compressed Air Filter, Regulator & Gage w/5.0-micron primary filter and 0.01-micron secondary coalescing filte
shoag-s-us	Standard Black Teflon Nozzle Assembly w/ OSHA Tip.
SHSN-US	Conductive Black OSHA Nozzle Tip Only, fuw JAG-IV, AGZIII & ZappAURA(-II)

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