



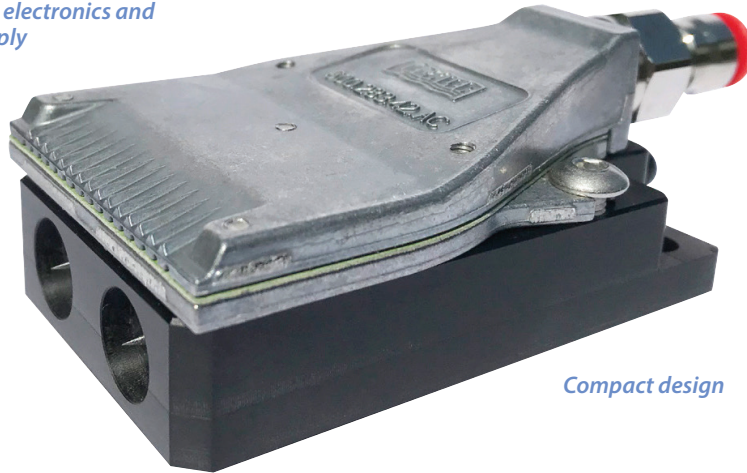
# 4800 DC Ionized Air Nozzle

## Advanced Electronics and Powerful Air Nozzle in a Compact System

### APPLICATIONS

- Robot Arms
- Sheet Separation
- Labeling
- Confined spaces

*Integrated electronics and power supply*



*Compact design*

### BENEFITS

- Increase production speeds
- Increase profits
- Reduce rejects
- Reduce downtime
- Enhance product quality
- Enhance operator safety

The 4800 DC Ionized Air Nozzle sets new standards in industrial static control technology, with powerful performance and all the advantages of advanced electronics integrated into the compact design and powered by 24 V DC.

The 4800 DC has unrivaled static neutralizing performance and cleaning capability.

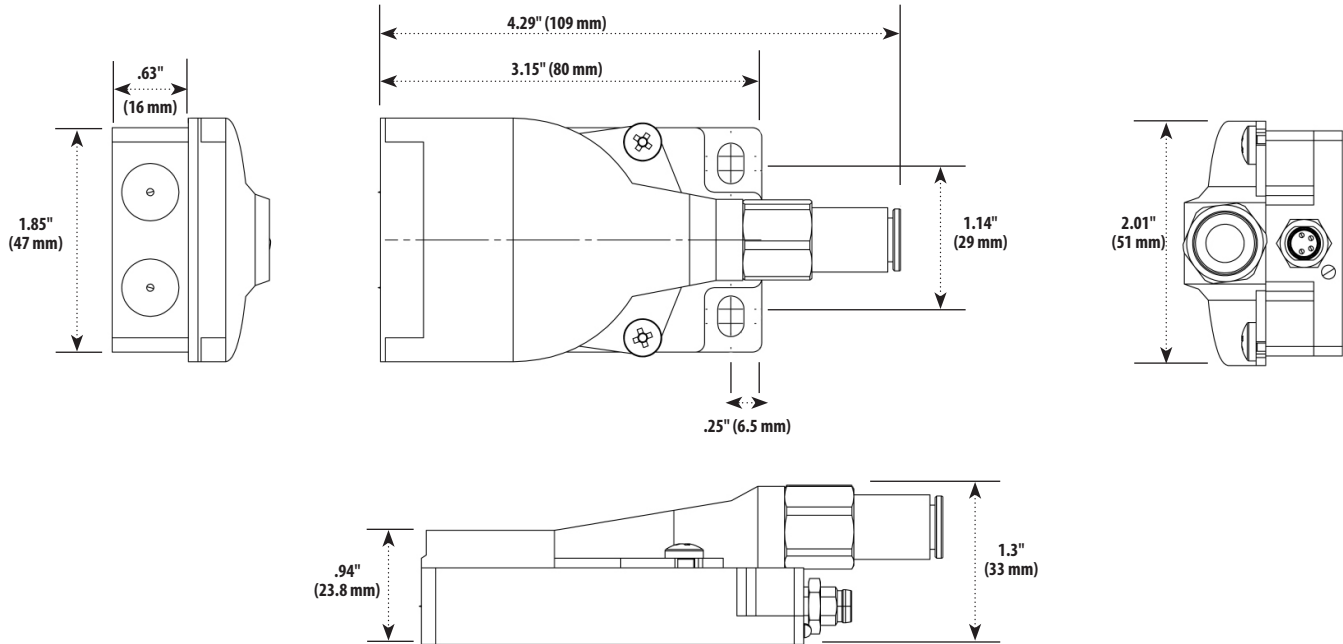
The robust nozzle design produces an intense, high velocity air flow for optimal cleaning and blow-off capability. The high output ionized air neutralizes static charge effectively, allowing the air to remove contaminants from surfaces and or separate materials, such as plastic or paper sheets.

The 4800 DC can be used in cleaning and static neutralization applications throughout industry—including removing static from and cleaning of parts, container and bottle rinsing, robot arms and high speed processing.

- Optimal cleaning distance: use at close range for maximum thrust – typically 2-4" (50-100 mm)
- High cleaning thrust is achieved at lower air pressure, reducing air consumption and noise
- All electronics fully encapsulated for protection and reliability
- Tungsten emitters guarantee a long life
- 24 V DC supply
- LED on body gives operational status and whether bar needs cleaning
- Remote on/off switching with standby plus signal for operational status
- Mounting onto the machine is achieved with mounting holes integrated into the product body



# Specifications



**CONSTRUCTION:** Static Eliminator = PVC body, epoxy resin encapsulant, tungsten emitters; Nozzle = aluminum

**OUTPUT VOLTAGE:** +/- 7 kV supply integrated inside Ionizer.

**REMOTE MONITOR/LOCAL STATUS INDICATION:** Signals available: **OK, Clean Me, Fault, and Standby.** Uses 24 V supply to send signal from the ionizer to the PLC or other destination. Outputs compatible with IEC 61131-2 Type 3 PLC inputs. Signal protected against short circuit or mis-wiring. Bi-color LED on ionizer body for local status indication.

**ELECTRICAL INPUT:** 24 V DC (21 – 28 V). Maximum current 0.25 A. M8 connector. For PSU and cable options, see 3024 Ultra Compact spec sheet.

**AIR SUPPLY:** Air Pressure: Max 140 PSI

Air Fitting: .24" (6mm) OD push fit

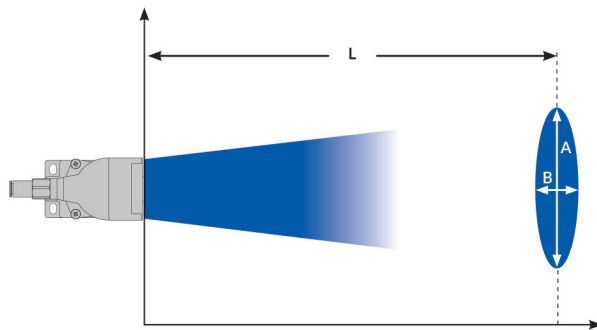
Air Consumption: 300 L/min @ 30 PSI

Blowing Force: 2.4 N @ 30 PSI

**ENVIRONMENTAL:** 32 - 130°F, 70% rH non-condensing max. IP67.

**CERTIFICATION:** CE and UL Certified (3024 Ultra Compact incorporated within 4800 DC).

## Air Jet Pattern



Pressure:	15 PSI	45 PSI	75 PSI
Distance $L$	30"	36"	36"
<i>Area Dimensions at L:</i>			
<b>A</b>	7"	8.25"	9.5"
<b>B</b>	6"	7"	8.25"