



# GEN4<sup>®</sup> Super Ion Air Wipe



## GEN4<sup>®</sup> Super Ion Air Wipe™

Ring of ionized airflow clamps around the part!

Neutralizes and cleans continuous moving surfaces!

### What Is The GEN4 Super Ion Air Wipe?

EXAIR's Gen4 Super Ion Air Wipe provides a uniform 360° ionized airstream that is easy to clamp around a part for eliminating static electricity and contaminants. It is ideal for use on pipe, cable, extruded shapes, hose, wire and more. It maximizes ionized airflow while minimizing compressed air consumption.

### Why The GEN4 Super Ion Air Wipe?

The Gen4 Super Ion Air Wipe provides total coverage of the part moving through it. The high volume, high velocity flow attaches itself to the surface and wipes it down with the static eliminating ions. The airflow stays attached to the surface and is effective up to 15' (4.6m) away from where the Gen4 Super Ion Air Wipe is mounted. An optional pressure regulator provides infinite control of the air volume and velocity. Increasing the pressure increases the forceful wiping action. Lower pressures provide excellent coverage with much lower force and velocity.

The Gen4 Super Ion Air Wipe is the easy way to provide uniform coverage around a continuously moving material. The hinged design, allowing the Air Wipe to open, makes threading continuous wire, tube or extrusions unnecessary. Arranging a series of other ionizers around the surface would provide uneven airflow and prove to be costly. The split design of the Gen4 Super Ion Air Wipe solves that problem by making it easy to clamp around the surface of the material moving through it, eliminating the need for threading or several ionizers.

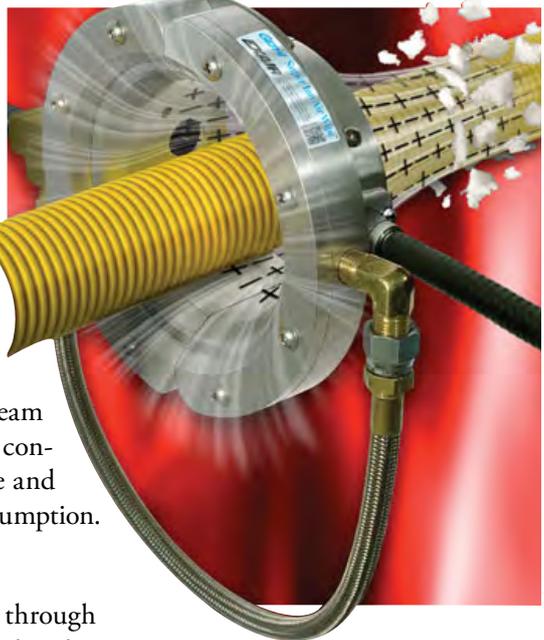
The Gen4 Super Ion Air Wipe is lightweight and easy to mount using the tapped holes on the back. It can also be held in place with rigid pipe. Coupling brackets that hold each half of the Gen4 Super Ion Air Wipe together are provided which can be installed or removed quickly if required.

### Applications

- Clean and neutralize extrusions
- Neutralizing pipe, tubing, wire
- Cleaning molded parts
- Neutralizing static for quality printing
- Pre-paint dust removal
- Remove chips, shavings and sawdust
- Container neutralization

### Advantages

- Low air consumption
- Rapid static decay
- Quiet
- Shockless, non-radioactive
- Compact, rugged, easy to install
- No moving parts - low maintenance
- Variable force and flow
- Electromagnetically shielded high voltage cable
- Armored high voltage cable protects against abrasion, cuts
- Integrated ground design requires no separate ground connection
- Replaceable emitter points



The split design unlatches easily to fit around the moving part - no threading required.



The Gen4 Super Ion Air Wipe is available in a 2" (51mm) and 4" (102mm) diameter.

Static Eliminators

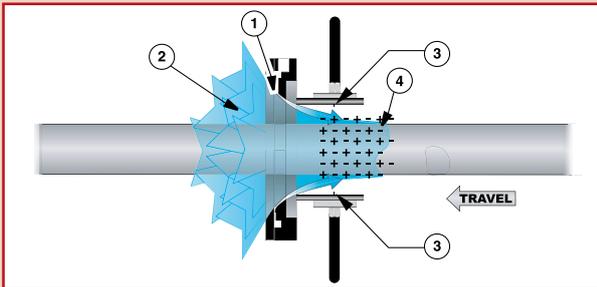


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# GEN4® Super Ion Air Wipe

## How The GEN4 Super Ion Air Wipe Works



The Gen4 Super Ion Air Wipe incorporates a Super Air Wipe and a split ionizing collar, energized by a power supply. Compressed air is ejected through the small ring nozzle of the Super Air Wipe at high velocity (1). A conical 360° ring of air is created that induces high volumes of surrounding air (2). The airflow passes through the collar and is ionized by two replaceable emitter points (3). That high velocity, ionized airstream attaches itself to the surface of the material running through the Gen4 Super Ion Air Wipe (4), uniformly eliminating the static electricity and removing any contaminants from the surface.



Model 8462 Gen4 Super Ion Air Wipe Kit includes the Gen4 Super Ion Air Wipe, shim set, Model 7960 Gen4 Power Supply, filter separator and pressure regulator (with coupler).

## GEN4 Super Ion Air Wipe

### Model # Description

8162	2" (51mm) Gen4 Super Ion Air Wipe
8164	4" (102mm) Gen4 Super Ion Air Wipe
8262	2" (51mm) Gen4 Super Ion Air Wipe and Gen4 Power Supply
8264	4" (102mm) Gen4 Super Ion Air Wipe and Gen4 Power Supply

## GEN4 Super Ion Air Wipe Kits

Kits include a Gen4 Super Ion Air Wipe, shim set, Model 7960 Gen4 Power Supply, filter separator and pressure regulator (with coupler).

Model #	Description
8462	2" (51mm) Gen4 Super Ion Air Wipe Kit
8464	4" (102mm) Gen4 Super Ion Air Wipe Kit

## Accessories and Components

Model #	Description
7960	2 Outlet Selectable Voltage Gen4 Power Supply (115V, 230V, 50/60Hz)
7961	4 Outlet Selectable Voltage Gen4 Power Supply (115V, 230V, 50/60Hz)
9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)
9008	Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1,415 SLPM)
7905	Static Meter

## GEN4 Super Ion Air Wipe Specifications

EXAIR Model 7960 or 7961 Gen4 Power Supply (5kV) is required for Super Ion Air Wipe operation. See page 129 for details.

**Certifications:** The Gen4 Super Ion Air Wipe and Gen4 Power Supply are UL Component Recognized to U.S. and Canadian safety standards, and are CE and RoHS compliant.



**Electrical:** For use with 5 kVrms, 5 milliamperes (max.) power supply.

**Electrical Hazard:** Shockless (less than 40 microamperes short circuited).

**Do not use near flammable materials or gases.**

**Materials of Construction:**

**Metal Parts:** Aluminum

**Plastic Parts:** UL rated 94 HB **Emitter:** Stainless Steel

**Maximum Ambient Temperature:** 165°F (74°C)

**Shims:** Thicker shims can be installed easily if additional hard-hitting velocity is required. See "shim sets" page 39.

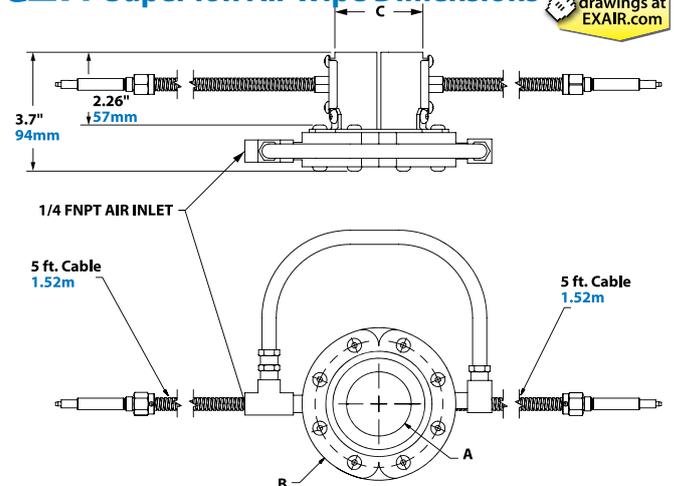
**Compressed Air:** 1/4 NPT inlet provided.

## GEN4 Super Ion Air Wipe Performance

80 PSIG (5.5 BAR)	Air Consumption	Sound Level	Dissipates 5kV*	
MODEL	SCFM	SLPM	dBA	SECONDS
8162	29.5	835	77	0.20
8164	50.2	1,422	81	0.20

\* 12" (305mm) from target.

## GEN4 Super Ion Air Wipe Dimensions



MODEL	A	B	C
8162	2" (51mm)	4.75" (121mm)	2.7" (69mm)
8164	4" (102mm)	6.75" (171mm)	4.72" (120mm)