



Super Ion Air Wipe™

Ring of ionized airflow clamps around the part!

Neutralizes and cleans continuous moving surfaces!

What Is The Super Ion Air Wipe?

EXAIR's 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 Super Ion Air Wipe?

The 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 for many feet away from where the 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.

To this point, there has been no easy way to provide uniform coverage around a continuously moving part. It would have been too difficult to line up and feed continuously moving materials (such as wire, tubing or extrusions) through a solid ring. Arranging a series of ionizers around the surface would provide uneven airflow and prove to be costly. The split design of the 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 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 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
- Non-contact
- Effective up to 15 feet (4.6m)
- Shockless, non-radioactive
- Compact, rugged, easy to install
- No moving parts - low maintenance
- Variable force and flow



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

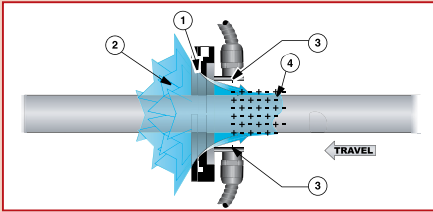


The Super Ion Air Wipe is available in a 2" (51mm) and 4" (102mm) diameter.

Static Eliminators

Super Ion Air Wipe

How The Super Ion Air Wipe Works



The 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 emitter points (3). That high velocity, ionized airstream attaches itself to the surface of the material running through the Super Ion Air Wipe (4), uniformly eliminating the static electricity and removing any contaminants from the surface.

Super Ion Air Wipe Specifications

EXAIR Model 7901, 7907, 7940 or 7941 Power Supply (5kV) is required for operation. See page 83 of the Catalog for details.

Certifications: The Super Ion Air Wipe is UL Component Recognized to U.S. and Canadian safety standards. Power supplies are UL Listed 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:

Super Air Wipe: Aluminum **Ionizing Collar:** 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 31 of the Catalog.

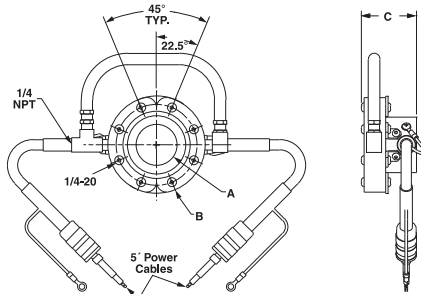
Compressed Air: 1/4 NPT inlet provided.

Super Ion Air Wipe Performance

80 PSIG (5.5 BAR)	Air Consumption	Sound Level	Dissipates 5kV*	
MODEL	SCFM	SLPM	dBa	SECONDS
7162	29.5	835	77	0.20
7164	50.2	1,422	81	0.20

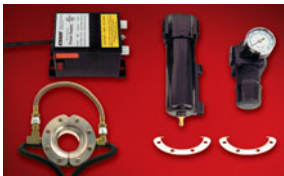
* 12" (305mm) from target.

Super Ion Air Wipe Dimensions



MODEL	A	B	C
7162	2" (51mm)	4.75" (121mm)	2.70" (69mm)
7164	4" (102mm)	6.75" (171mm)	2.70" (69mm)

Static Eliminators



Model 7462 Super Ion Air Wipe Kit includes the Super Ion Air Wipe, shim set, Model 7901 Power Supply, filter separator and pressure regulator (with coupler).

Super Ion Air Wipe

Model #	Description
7162	2" (51mm) Super Ion Air Wipe
7164	4" (102mm) Super Ion Air Wipe
7262	2" (51mm) Super Ion Air Wipe and Power Supply
7264	4" (102mm) Super Ion Air Wipe and Power Supply

Super Ion Air Wipe Kits

Kits include a Super Ion Air Wipe, shim set, Model 7901 Power Supply, filter separator and pressure regulator (with coupler).

Model #	Description
7462	2" (51mm) Super Ion Air Wipe Kit
7464	4" (102mm) Super Ion Air Wipe Kit

Accessories and Components

7901	2 Outlet Power Supply (115V, 50/60Hz)
7907	2 Outlet Power Supply (230V, 50/60Hz)
7940	4 Outlet Power Supply (115V, 50/60Hz)
7941	4 Outlet Power Supply (230V, 50/60Hz)
7902	Extension Cable, shielded, 5' (1.52m) length (1 male and 1 female fitting)
9001	Auto Drain Filter Separator, 3/8 NPT, 65 SCFM (1,841 SLPM)
9008	Pressure Regulator with Gauge, 1/4 NPT, 50 SCFM (1,416 SLPM)
7905	Static Meter