

# Staticmaster® End-of-Line Standard Ionizer



TECHNOLOGY  
& LAB



INDUSTRIAL



AUTOMOTIVE

MODEL P-2021

ALPHA

The Staticmaster® End-of-Line Standard Ionizer is a simple, reliable, efficient and effective means of eliminating static in a variety of industries, including electronics, optics, graphics and finishing.

**The Model P-2021 ionizers can be operated continuously or intermittently, with gas flow in either direction, and are safe in volatile and explosive environments.** Easy to install on any clean, dry compressed air or inert gas line, the P-2021 ionizers emit a powerful stream of ions to quickly neutralize electrostatic charges. The ion stream is balanced as it leaves the cell, removing particles clinging to surfaces and eliminates electrostatic re-attraction of contaminants.

By design, these End-of-Line Standard Ionizers never go out of balance, so they do not require periodic calibration. In addition, they require no electrical power to operate, so they're intrinsically safe for use in flammable or explosive environments.

The Model P-2021 Series is designed to easily install in your process or can be used with accessories such as a gun handle. Available models include the P-2021-1000 (316 stainless); P-2021-2000 (316 stainless, cleanroom packaged); P-2021-5000 (316 electropolished stainless, cleanroom packaged); P-2021-8000 (303 stainless).

## APPLICATIONS

- Electronics, optics, graphics, finishing

## FEATURES

- Quick and efficient operation
- Offered in a variety of finish/package options
- No external power supply

## BENEFITS

- Safe and easy to install and relocate
- Ions constantly balanced at nozzle
- Intrinsically safe in flammable and explosive environments
- No calibration needed

EVERY SITUATION IS UNIQUE. SO IS EVERY SOLUTION.®

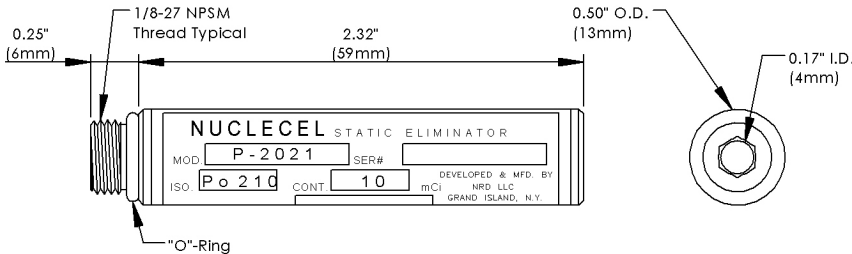


# Staticmaster® End-of-Line Standard Ionizer

MODELS P-2021

ALPHA

## SCHEMATICS



## SPECIFICATIONS

**Activity:** 10 mCi (370 MBq)

**Balance:** ±0 V

**Dimensions:** 0.50in W x 2.32in L (12.7 mm x 58.9 mm)

**Diameter:** 0.50 in (12.7 mm)

**Enclosure (MODEL P-2021-1000):** 316 Stainless housing

**Enclosure (MODEL P-2021-2000):** 316 Stainless housing

**Enclosure (MODEL P-2021-5000):** 316 Stainless housing

**Enclosure (MODEL P-2021-8000):** 303 Stainless housing

**Gas Input:** <40 psi (Max 100 psi) Clean Dry Air (CDA) or Nitrogen

**Line Connection:** 1/8 in – 27 NPSM Thread male/female

**Technology:** Alpha

**Weight:** 1.3 oz (37 g)

### DECAY RATE:

0.7 seconds (±1000 to 100V), ANSI/ESD Association STM 3.1 @30 psi, 6 inches

## ACCESSORIES

### Gun Handles Models (SA1 Not Shown)



Model ST1



Model NY1



Model SA2



Model SA4



Model VT1



Model PK1



**Mounting Clip**  
Model MC2021

## MAINTENANCE

It is necessary to replace ionizers every 12 months to maintain peak effectiveness.

**NOTE ON ION SOURCE:** All NRD ion sources are encapsulated in precious metals by means of a special patented process. This results in a static eliminator which, unlike competitive products, resists oxidation, solvents, heat, cold and vibration.

**NOTICE:** NRD expressly warrants that, for a period of one (1) year from the time of purchase, the ionizer will be free of defects in material (parts) and workmanship (labor).

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