



#### APPLICATIONS:

- Web processes, coating, laminating

#### FEATURES:

- Intrinsically safe design
- No external power supply
- Flexible options for maximum ionization

#### BENEFITS:

- No emitter points to clean
- No need for electrical power
- Safe and easy to install
- Low maintenance

## NUCLESTAT® Linear Ionizers



*Model P-2001*



*Model P-2001-I*

NUCLESTAT® Linear Alpha Ionizers are ideal for web type applications and in flammable or explosive environments where electrical ionizers are not suitable. Because no external power source is required to operate, these ionizers are an economical, effective means to eliminate static.

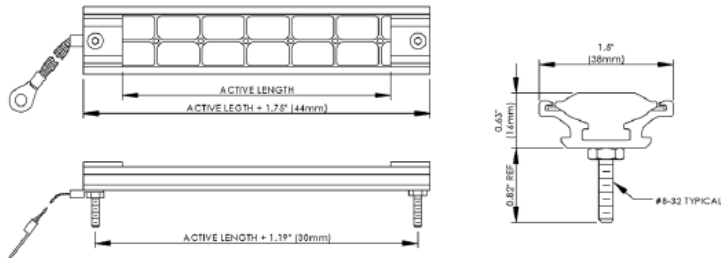
The Model P-2001, the base model of the series, delivers ionization right where it is needed. It produces a uniform balanced ionization along its active length, which can be customized in one inch increments from 4" - 142".

The Model P-2001-I, is designed for maximum reduction of high static levels of charge. In applications where static levels exceed 3000 volts, the P-2001-I features stainless steel induction brushes uniformly spaced along its length. This dual mode of ionization allows for increased web speeds, lower static levels, and a safer work environment.

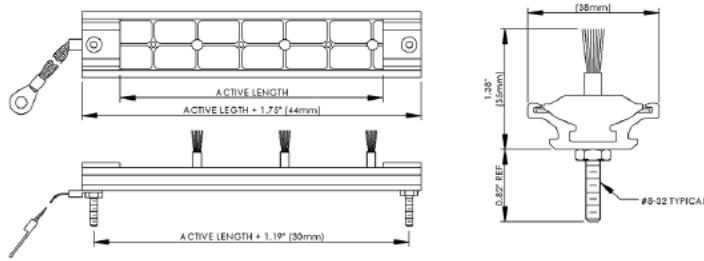
Both Linear Alpha Ionizer models offer optional accessory, Model 4275, that adds the air moving capability of a brass or stainless air tube. This combination is ideal when working with irregular shaped parts or when the static eliminator cannot be placed close to the problem area or when the removal of dust and debris is required.

Schematics:

Model P-2001



Model P-2001-I



Specifications:

**Balance:**  $\pm 0$  V

**Dimensions:** 0.63in W x 1.50in H x  $\geq$  4in L (15.8 mm x 38.1 mm x  $\geq$  101.6 mm)

**Enclosure (MODEL P-2001):**

Aluminum Housing/Stainless Steel Grid

**Enclosure (MODEL P-2001-I):** Aluminum Housing/Stainless Steel Grid/Stainless Steel Brushes

**Enclosure (MODEL 4275):** Brass or Stainless Air tube

**Gas Input:** Clean, dry air or inert gas for use with 4275 Air Tube

**Line Connection (MODEL 4275):** 1/4 in NPT

**Technology:** Alpha

**DECAY RATE:** <0.7 seconds ( $\pm 1000$  to 100V), ANSI/ESD Association STM 3.1 @ 30psig, 6 inches

Accessories:



**P-2001 with Accessory Air Tube**  
 Model 4275

Maintenance:

Product is supplied complete with ionizers. 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).