

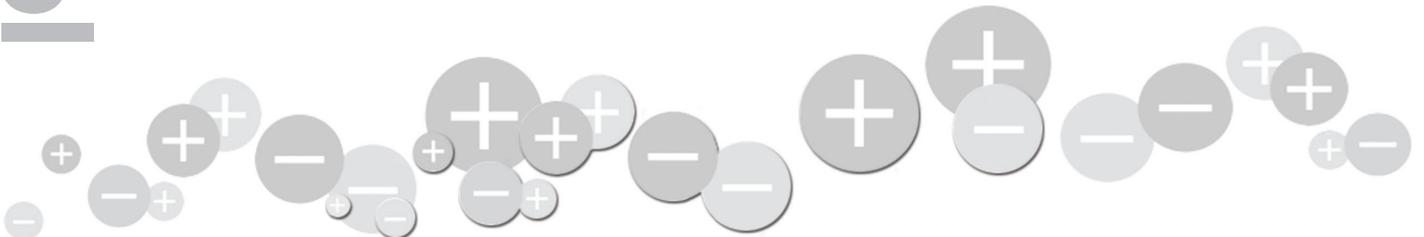


## loncell

### IN-LINE IONIZER

The loncell in-line ionizer enables stunning performance in longer-length delivery lines by overcoming traditional ion recombination limitations; enabling focused ionized air to be delivered to previously inaccessible locations.

- Pipes Ions through long tubes
- Compact design
- Various output attachments available
- Powered by low voltage power supply or through 24 VDC input
- Can Daisy chain up to 6 units



## Specifications

<b>Emitters</b>	Tungsten
<b>Enclosure</b>	White polycarbonate with 94V-0 flame rating
<b>Dimensions</b>	2.5"H x 1.3"W x 4.5"L (64 x 33 x 115 mm)
<b>Weight</b>	5.2 oz (145g)
<b>Input Pressure</b>	50 psi, max
<b>Power Input</b>	24 VDC
<b>Connectors</b>	4 position modular; DC power IN
<b>Output Current</b>	5 $\mu$ A
<b>Operating Modes</b>	Steady-state DC
<b>Indicators</b>	Green Power ON; Red FAULT (TTL level alarm output)
<b>Temperature</b>	Ambient 32-122°F (0-50°C)

## Part Numbers

Description	Part #
loncell	4015281
loncell, standard with power supply	4017139
loncell, standard without power supply	4017140
loncell, in-line without power supply	4015477
loncell Power supply	5051677
Air Ring 6"	5051680
Air Ring 10"	5051681
Air Knife 6"	5051678
Air Knife 12"	5051679
Fan Kit	5051983
Airflow switch	5051685

Note: loncell includes power supply, tubing & splitter kit, with 10' cable.

The loncell in-line ionizer is designed to control static charges in a localized area. This incredibly compact unit can be installed in places where typical ionizers do not fit. This revolutionary DC in-line ionizer provides powerful ionization through output tubes up to four feet in length. The single output tube also has the ability to be split, allowing the loncell to service multiple locations from a single ionization source.

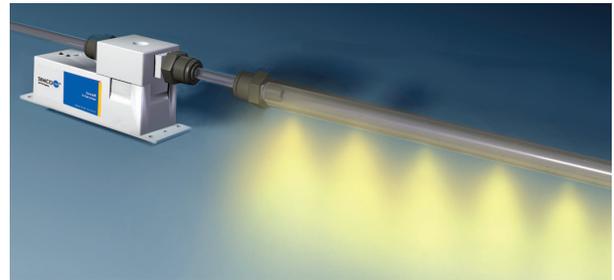
Options include:

- Ring and Air Knife output applicators for custom applications
- Airflow switch that automatically cuts off power when no airflow is present, so excess ozone production is eliminated.

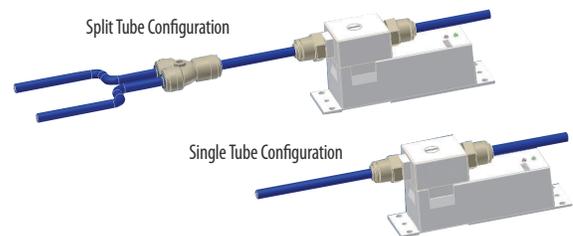
## Ring Output Applicator



## Air Knife Output Applicator



## Output Tube Configuration



## Charge Neutralization Performance

1000-100V Output Tube 1" Away from the CPM plate			
Tube Length	30 psi	15 psi	5 psi
6"	0.5 sec	0.8	1.4
12"	0.8 sec	1.4	2.2
18"	1.0 sec	2.1	3.5
24"	1.8 sec	3.2	5.2
36"	6.0 sec	6.8	10
48"	9.5 sec	13	22

**SIMCO ION**<sup>TM</sup>  
An ITW Company

P/N 5201140 Rev. B  
© 2020 Simco-Ion – All rights reserved.  
Specifications are subject to change without notice.

**Simco-Ion**

2257 North Penn Road  
Hatfield, PA 19440-1998  
Tel: 800.203.3419 (in USA)  
Tel: 215.822.6401

customerservice@simco-ion.com  
www.simco-ion.com