

# i-GUARD™ NPI Ion Plasma System



A DIFFERENT WAY TO TREAT INDOOR AIR

NEEDLEPOINT BI-POLAR AIR TREATMENT SYSTEM



HIGH  
ION  
OUTPUT

SELF  
CLEANSING  
DESIGN

VENTURI  
DISCHARGE  
TUBES

SOLID  
TUNGSTEN  
EMITTERS

6 ION  
EMISSION  
POINTS

UP TO  
12 TONS  
(4800 CFM)



**Respicaire**  
For the Health of Your Indoor Air

- WORKS TO AGGLOMERATE PARTICULATES —
- HELPS TO REDUCE ODORS & VOCs —
- IONIC ACTION TO TREAT MICROBIALS —

# WHY INDOOR AIR QUALITY MATTERS TO ALL OF US!

Clean air is an essential element and particularly important for indoor air environments. Buildings and commercial spaces have become increasingly airtight. This "Tightness" can concentrate & trap indoor air particulates & micro organisms giving rise to respiratory sensitivities, allergy and illness.

Our latest air cleaning technology is the Respicaire i-Guard NPI Ion Plasma System air treatment system. Our proprietary NPI (Needlepoint ionization) actively treats the indoor air in the living space through the emission of both positive and negative ions.



## UNIQUE FEATURES FOR OPTIMUM PERFORMANCE

The Respicaire **i-Guard Ion plasma system** is high output, self cleansing bi-polar air treatment system designed for installation in commercial & residential HVAC systems. The Respicaire **i-Guard's active ionic processes** work constantly to treat indoor air by helping to reduce pollutants, odors & VOC's including indoor AC coil treatment. Its venturi emission system features 6 ion discharge points in a **maintenance free** design that does not require ongoing replacement parts. The Respicaire i-Guard is one of the most powerful NPI ducted models producing over 1 million ions/cc offering superior ionization output and enhanced performance. As air in the HVAC system travels towards the device it is actively treated with both positive & negative ions. The Respicaire i-Guard features a watertight housing, operates at peak output and is suitable for ducted installations up to **12 tons or 4800 CFM**. A built in LED allows for visual monitoring and an optional alarm contact is available for remote monitoring.

**TUNGSTEN NEEDLES  
NO CLOGGING**

**ION PLASMA SYSTEM**

**6 VENTURI ENHANCED  
ION EMISSION TUBES**

**METAL BASE**

**EPOXY SEALED  
HIGH TEMP**

Removal efficiency

Up to **99%**

Time (min) 0 20 30 40 80 100 120

*This unique process has been shown in laboratory tests to inactivate up to 99% of some of the most common viral organisms including Influenza, H1N1, Adenovirus & Corona. While real world results can vary, it helps to know we test our products for virucidal efficacy.*

The Respicaire i-Guard NPI Ion plasma system is virtually maintenance free. Our Venturi ion delivery system helps keep plasma emission points clean to optimize output with no loss of efficiency. We recommend annual inspection to ensure optimum performance. The Respicaire Ion plasma system is ETL approved & UL 867 certified to help meet non-ozone emission standards including California Carb.