

Healthy Indoor Air... The Way Nature Intended



STERIONIZER™

Yorkland
Controls
+
ENVIRONMENTAL
SOLUTIONS

Bi-Polar Ion Technology to improve Indoor Air Quality (IAQ)

UL 2998 validation for zero ozone emissions

The Sterionizer™ EXPro disinfection concept

The Sterionizer™ disinfection concept is an excellent solution for all food processing, food packaging and food storing areas with critical requirements of air purity and sterility.

The system ensures reliable and consistent conditions preventing the build-up of germs and bacteria.

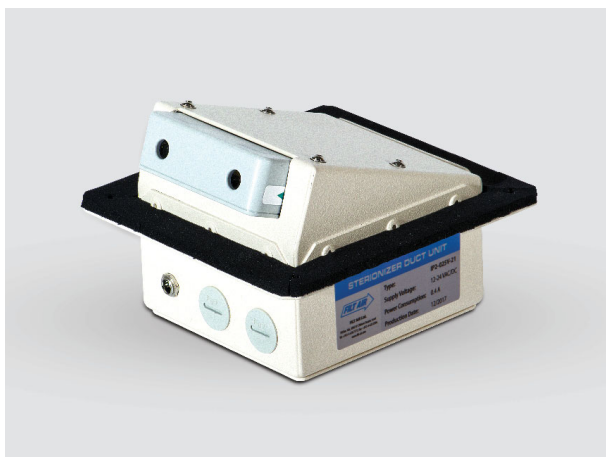
The basic principal is the permanent flushing of the area with clean air reinforced with positive and negative ions.

These charged oxygen molecules O_2^+ and O_2^- have high chemical activity and when reacting with water molecules in the air, H_2O_2 (Hydrogen Peroxide) is formed. A chemical reaction occurs and oxidants break down the protein structure of pollutants, rendering them harmless.

This process enables halting and controlling the growth of microbes and bacteria in a particular area.

Sterionizer™ system keeps air ducts, air heat exchangers and machinery clean and supplies sanitized air in enclosed areas..

Each ionizing device is completely maintenance free and connected to a data-bus for supervision and monitoring.



The Sterionizer™ EXPro Duct Unit

The Sterionizer™ Duct Unit is designed for adding ionizing technology into air ducts and other closed areas with an air flow.

The unit is maintenance free with innovative patented self-cleaning emitters. In addition, the unit includes a Modbus communication port that can easily be connected to any building management system.

It is easy to install the unit in any duct utilizing the pre-drilled flange and factory applied gasket.

When installed at appropriate points, the unit keeps the duct system clean and ensures that the air supplied is ionized.