

Duct Sanitization System

Bioxigen®

EFFECTIVE PREVENTION

CONTINUOUSLY CONTROLLED

24 HOURS A DAY

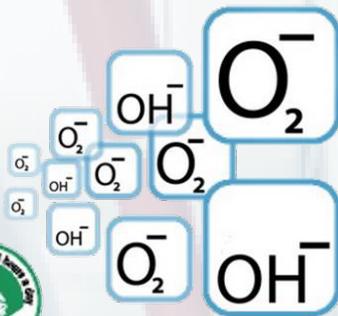
Biox Air

DUCT SANITIZATION

The new innovation for sanitizing duct system that reduces the microbial load in the air and on surfaces, reduces fine dust concentrations and ensures the correct ion balance.

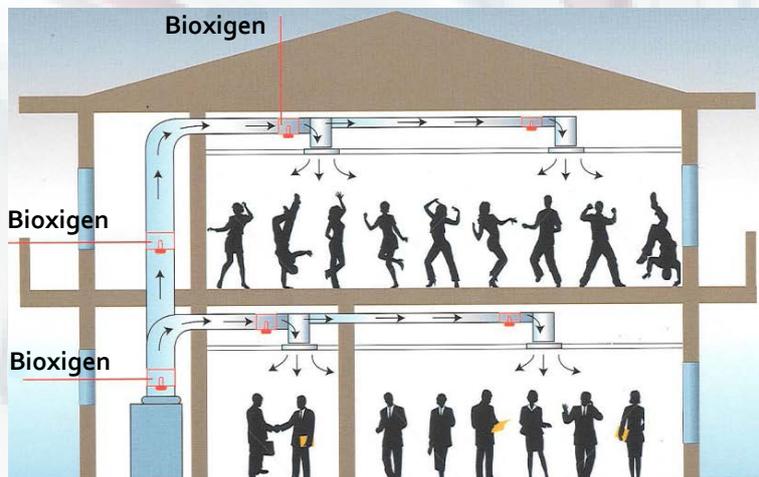
Principle

The technology called "Quartz Condenser" uses air as a source to create Negative oxygen, O_2^- by the oscillating electric field. The oxygen ion rapid reacts with volatile organic compounds (VOC), thus reducing the amount of airborne pollutants.



Q Active (Quartz condenser tube) generates clusters of negative oxygen ions (O_2^-) and hydroxyl (OH^-) to the air. O_2^- and OH^- clusters attack the cell walls of microorganisms with an oxidative mechanism leading to breakage killing the cells instantly.

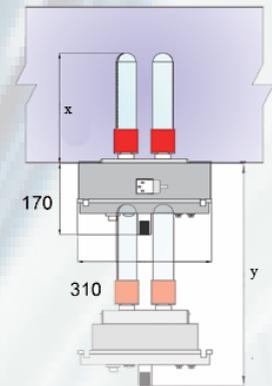
Installation



Features

- Consists of a plastic or sheet metal casing, depending on models which supports the Bioxigen condensers.
- A Special electronic system warns the user in the event of malfunctions or a decline in product effectiveness.
- Can be fitted on both new and existing ductwork and are sized according to air flow-rate, duct dimensions and application requirements.

Dimensions



Control box = 315 x 235 x 127 mm Duct opening = 225 x 145 mm

Model	Max Air Flow (m ³ /h)	Air Speed (m/s)	x = Condensers length y = min space
BXMCC2	≤ 1,000	3.5-10	x = 210, y = 470
BXMCC4	≤ 2,000	3.5-10	x = 210, y = 470
BXMCC6	≤ 3,000	3.5-10	x = 210, y = 470
BXMCH4	≤ 5,000	3.5-10	x = 440, y = 700
BXMCH6	≤ 7,000	3.5-10	x = 440, y = 700

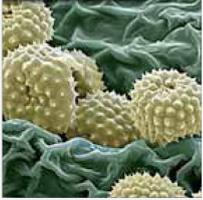
The condenser should be replaced after continuous using for 8,000 hours



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Duct Sanitization System

AGAINST



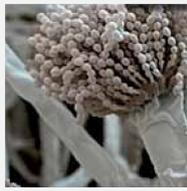
Fungi & Bacteria



Virus & Mold



Pollen, spores & allergens



Dust mites

Microbial reduction with Bioxigen

Reduction up to 99%

Before	Microbes	Decrease %	After
	Staphylococcus aureus 3 hours time 8 hours time 24 hours time	-70.90 -97.02 -98.80	
	Escherichia coli 3 hours time 8 hours time 24 hours time	-84.07 -89.77 -99.53	
	Saccharomices cerevisiae 3 hours time 8 hours time 24 hours time	-97.71 -98.14 -99.05	
	Legionella negative control positive control after 5 after 15 after 30 after 60	UFC/o.1ml 0 191 180 3 0 0	

Universities and Research Institutes University of Padova, Universit of Udine, Maugeri Institute, ARCHA laboratories and University of Pisa

BioxAir
DUCT SANITIZATION

Applications



Office



School



Supermarket



Hospital



Shopping mall



Food Processing

Benefits

- Low energy consumption from 6 to 38 Watts
- Versatile models for different ducting length, air flow rate and air speed
- Microbial reduction
- Deodorization
- Improvement in indoor air quality
- Environmental friendly

Proudly certified by **TÜV PROFI CERT** product

Registration No. 70 700 2302