

**BioOx**  
r e a c t o r



**It's time to bring your pets  
health to the next level.**

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r e a c t o r

Made in the USA | U.S. Patent 6,916,630 B2

A small, fluffy brown dog, possibly a Yorkshire Terrier, is sitting on a stainless steel table in a veterinary clinic. A veterinarian wearing white gloves is using a stethoscope to examine the dog's chest. Another person's hand, also in a white glove, is gently holding the dog's front paw. The dog has its tongue out, looking towards the camera. The background is slightly blurred, showing a clinical environment.

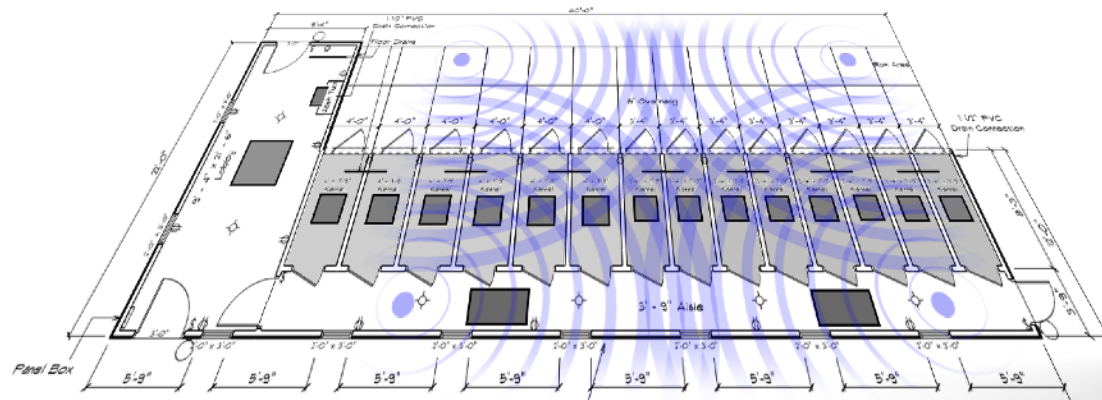
# BioOx is healthcare for pets.

BioOx is a patented and natural air-scrubbing system that provides pets, kennels, boarding facilities and veterinarian hospitals with clean, healthy air.

Pets that breathe better, live a longer, more vibrant life.

# The most powerful air cleaning system **ever**.

BioOx<sup>®</sup> are small bio-reactors that sit away discretely and plug into standard electrical outlets. They contain a mixture of plain water and natural enzymes. Within just a matter of hours of turning on your bio-reactor your air will be cleaner and healthier, and feel fresher as a variety of harmful particles are removed.



BioOx<sup>®</sup> creates a “clean air zone”



# Other machines filter, our systems **scrub**.

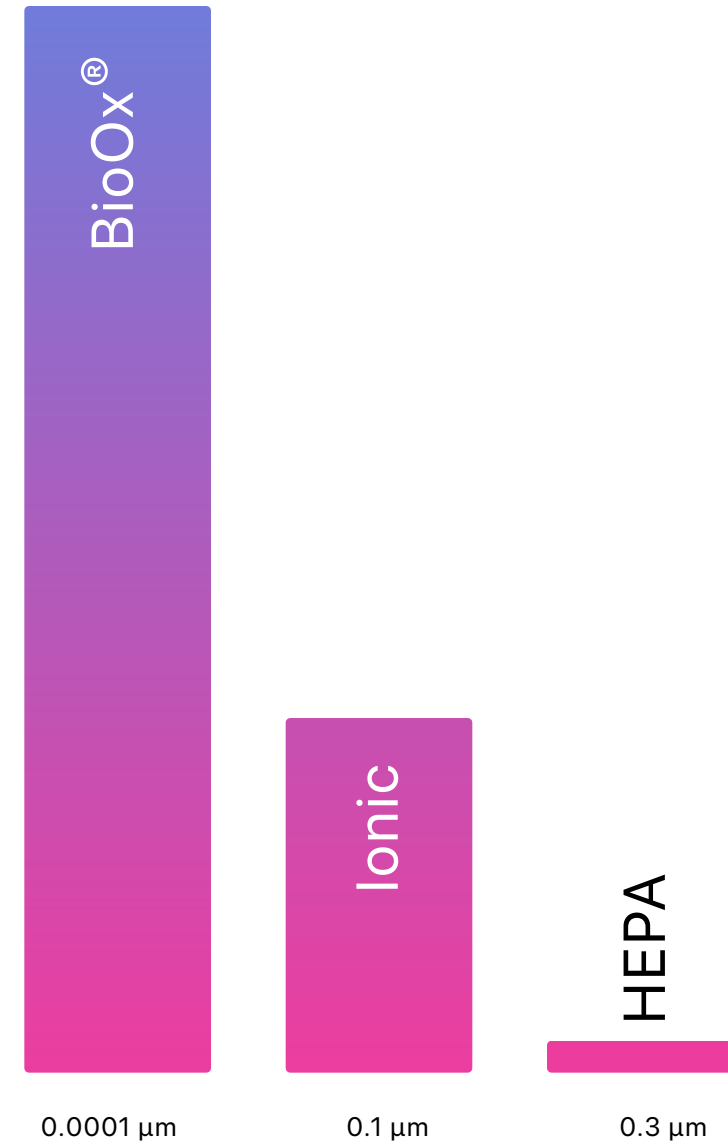
Using our patented biotechnology, our freestanding BioOx units use natural enzymes to neutralize harmful airborne toxins and pathogens.

BioOx units draw in all forms of contaminants, expelling clean air and making your facility a healthier and more enjoyable place to be.

Traditional HVAC systems are expensive and just move harmful air around. UV lights work but only affect living microorganisms, meaning these systems can't control dust, pollen, pet dander or other particles that aren't alive.

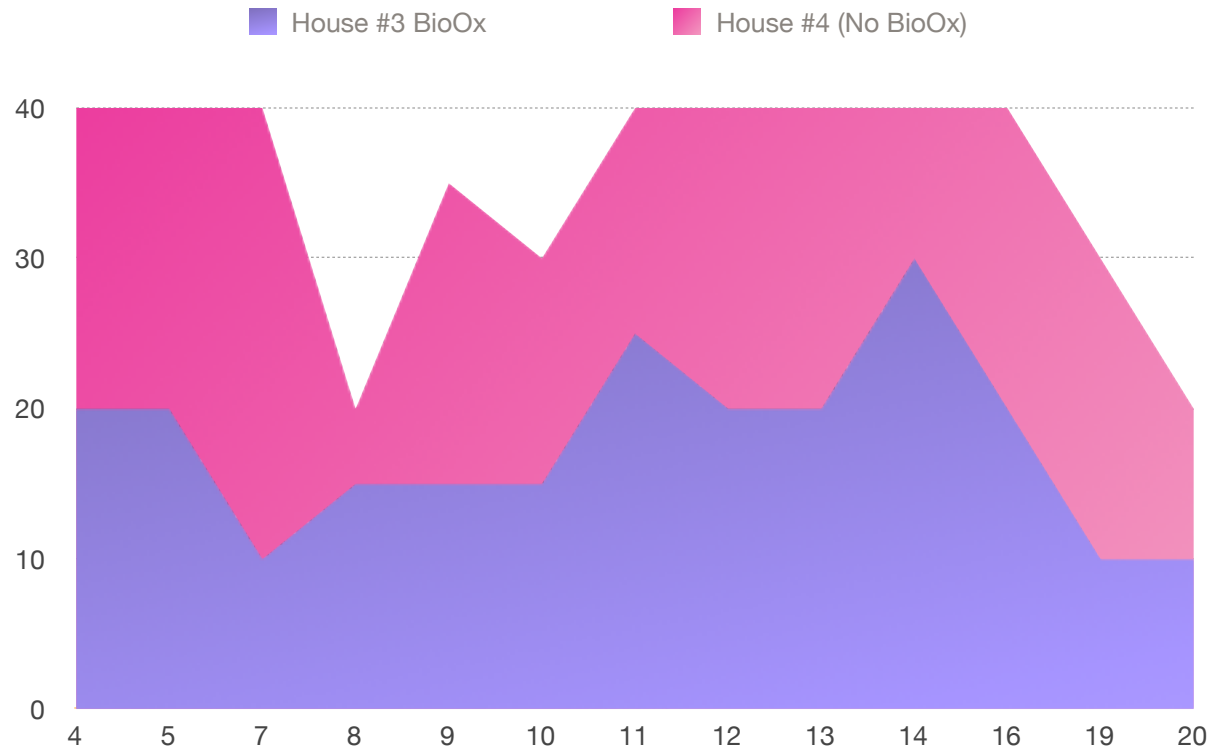
BioOx systems actually clean the air, by capturing particulates within a specialized all-natural enzyme and microbe solution, rendering contaminants like dust, ammonia, formaldehyde, bacteria and viruses harmless. Installing a BioOx air purification system provides a "clean air zone" throughout your facilities.

Best of all, no filters are needed and absolutely no drilling, rewiring or construction of any kind is required.



Filtering performance<sup>1</sup> - BioOx® vs Ionic vs HEPA  
(Longer is better)

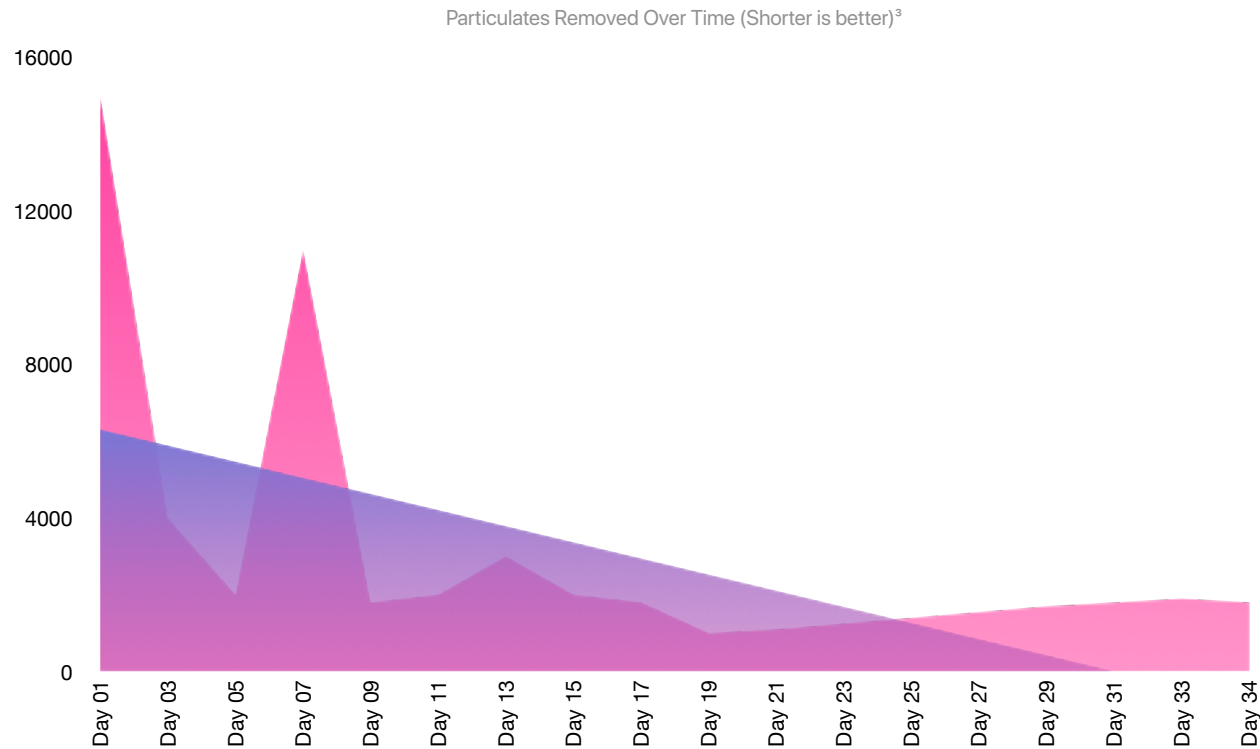
Dramatic ammonia reductions over a 20 day period<sup>2</sup> (Lower is better)



With ammonia reductions this good, **dogs kennels are just a walk in the park.**

This is a graph of ammonia readings that were taken at a chicken farm during a 20 day duration with 20,000 chickens per house. The house running the BioOx Reactor saw a 48% reduction of measured ammonia with the same vent time and vent box opening as house 4 (both houses were identical in age and size)

With performance numbers this high, dogs kennels and veterinarian hospitals are a walk in the park.

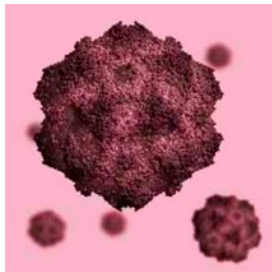


## Airborne pathogens? **Not with us there isn't.**

BioOx<sup>®</sup> solution significantly reduces viral and bacterial pathogen concentrations.\*

In a study conducted at a hospital in Saronno, Italy, our bioreactor reduced the airborne microbial population and particulate matter (PM) in hospital visiting rooms and attached waiting areas.

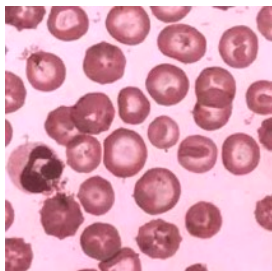
# BioOx can **dramatically reduce** the risk of these 5 pet illnesses.



## **Canine Parvovirus**

is a highly contagious virus that infects the linings of the stomach and small intestines. It may affect bone marrow, cell production, and in some cases the heart.

*Puppies have a **\*\*91%** mortality rate when contracting this virus.*



## **Infectious Canine Hepatitis**

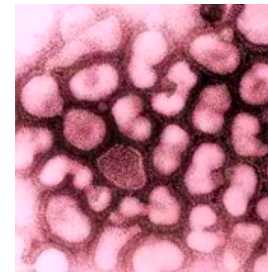
is a contagious virus with symptoms from slight fever and congestion of the mucous membranes to severe depression, marked leukopenia, and coagulation disorders.



## **Bordetella Bronchiseptica**

is a bacteria that causes infectious bronchitis in dogs and other animals.

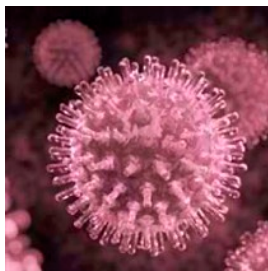
*\* 78.7% of 'Kennel Cough' cases were found to be positive for this strain.*



## **Canine Parainfluenza**

(CPIV) is a highly contagious respiratory virus and is one of the most common pathogens of infectious tracheobronchitis.

*\* 37.7% of 'Kennel Cough' cases were found to be positive for this strain.*



## **Canine Coronavirus**

is a highly contagious intestinal disease. Puppies may exhibit protracted diarrhea and dehydration, and are most at risk of developing serious complications.

*\* 9.8% of 'Kennel Cough' cases were found to be positive for this strain.*

\* Source: US National Library of Medicine National Institutes of Health | September, 2014 | <https://www.ncbi.nlm.nih.gov/pubmed/24980809>  
(Study found mixed infections and several pathogens in a single animal were common)

\*\* Source: US National Library of Medicine National Institutes of Health | September, 2010 | <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3550768/>



## From small kennels to the large veterinarian hospitals, **BioOx scales with you.**

Whether you're a kennel owner, groomer, or large-scale veterinarian hospital, BioOx systems offers a system that fits your air cleaning needs.

From the compact and efficient 85 series to the titan class 5000 series, our systems can grow as your animal care operation does the same.





## Get your seal of approval... **ours.**

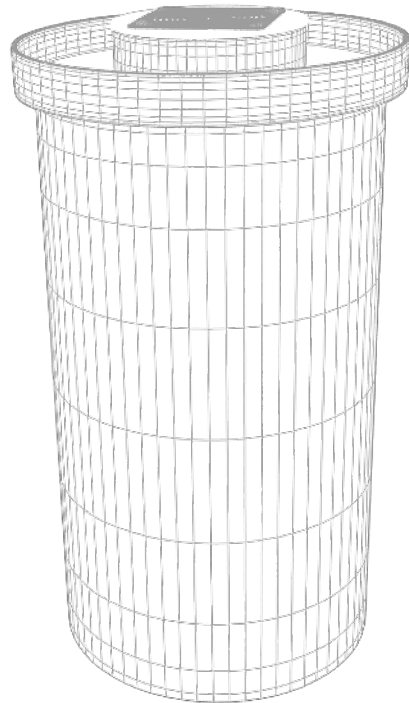
For a limited time, we are **certifying pet locations** that install the appropriate BioOx Unit(s) with certification and signage that can be displayed at your location so your customers know you're making **huge strides** to ensure the maximum health and performance of your horses.



**BioOx**

2021 CERTIFIED CLEAN AIR LOCATION

# Technical Specifications



	BioOx® 85	BioOx® 300	BioOx® 650	BioOx® 5000
Nominal contaminant destruction, lbs/day	10	20	40	200
Area of influence* square feet	600	1500	3000	6000
Continuous Operation	YES	YES	YES	YES
Air flow ft <sup>3</sup> /min	100	239	665	2000
Water flow (GPM)	5 gpm	6 gpm	8 gpm	15 gpm
Fan speed (RPM)	1750 rpm	2950 rpm	1600 rpm	1600 rpm
Monthly BioOx® Media requirement**	4 oz / 125ml	8oz / 250ml	16oz / 473ml	32oz / 946ml
Container Vol (G)	10 G	40 G	90 G	200 G
Voltage	110	110	110	110
Frequency	60	60	60	60
Amperage (A)	1A	1A	1A	1A
Power consumption	24 Watts	115 Watts	115 Watts	600 Watts
Dimensions (D x H)	13" x 25"	21" x 45"	29" x 54"	41" x 66"
Noise levels	34 db	55 db	52 db	53 db
Dry Weight	16 lbs	38 lbs	77 lbs	190 lbs

\* A larger unit may be necessary if severe levels of continuous contamination are sustained regardless of area of influence.

\*\* BioOx® Media requirements can fluctuate with levels and types of contamination, and BioOx Media concentration. A booster of twice the monthly amount is required at startup.

# Technical Specifications

## Filtering Method

- Convection
- Molecular charge attraction
- Bio-oxidation

## Filtering Abilities

Captures all sized particles including but not limited to allergens, bacteria, odors, viruses, germs, cigarette smoke, all forms of chemical and biological fumes.

## Electrical and Operating Requirements

**Line voltage:** 100–240V AC

**Frequency:** 60Hz, single phase

**Operating temperature:** 50° to 95° F (10° to 35° C)

**Relative humidity:** 0% to 100%

## Installation and Maintenance

Installation and set up for each unit is under an hour. Depending upon your pollution levels, maintenance of the units is required every one to three months. Addition of BioOx Media is required every month. And, a constant water level must be maintained.

1. Testing conducted by an independent lab and compared the change in concentration of several public health pathogens - including H1N1, Legionella, Influenza B, MRSA and others.
2. Testing conducted at a large scale chicken farm during a 20 day duration with 20,000 chickens per house. Ammonia readings measured with the same vent time and vent box opening.
3. Testing conducted in an area of 1000 square meters hosting 4 visiting rooms and a waiting area for 100 people, with a daily turnover of 1300 patients seeking for medical advice. BioOx efficiency was tested in a working hospital in Saronno, Italy.



Is your business ready  
for **actual** clean air?

Contact us for a free review of your  
facility's air purification needs.

**BioOx**<sup>®</sup>

Made in the U.S.A.

