

VIRUS SHIELD

FOR COMMERCIAL HVAC SYSTEMS



FEATURES OF BIOZONE UV-PLASMA

Dramatically reduces virus transmissions in a wide range of settings: Hospitals, clinics, hotels, educational facilities, airports, convention centers, office buildings and factories.

UV-Plasma is a superior Virus Shield for commercial HVAC systems and is 40 times more effective against airborne viruses than UV-C alone, and 80 times more effective than ozone.

Upstream UV-Plasma disinfects filter media in Air Handling Units limiting viral and bacterial growth on filters.



TESTED IN A WORLD HEALTH
ORGANIZATION RECOGNIZED
BIOSAFETY LEVEL 3 VIRUS
LABORATORY.

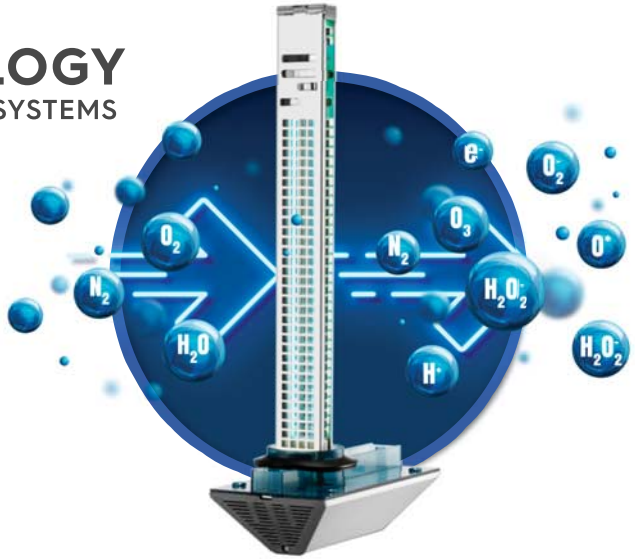
ADVANCED UV-PLASMA TECHNOLOGY

VIRUS SHIELD FOR COMMERCIAL HVAC SYSTEMS

PhotoPlasma™ is generated by airborne molecules such as oxygen and water vapour under the exposure of the specialized UV spectrum.

It includes reactive oxygen species, free radicals, electrons, etc., which actively capture various air contaminants, and rapidly destroy their structures through a chain of reactions.

In this way the contaminants are decomposed and converted into harmless end-products like end-products like oxygen and water.



TESTED BY BIOSAFETY LEVEL 3 VIRUS LABORATORY

REDUCTION OF
99.999%
AIRBORNE VIRUS IN
LESS THAN 0.5 SECONDS

OUT OF 100,000 VIRUS COLONY INOCULATIONS

<10	400	800
PFU REMAIN AFTER UV-PLASMA	PFU REMAIN AFTER UV-C	PFU REMAIN AFTER OZONE

*Key: PFU = Plaque Forming Units

FIELD TEST PERFORMANCE

Eliminates up to:

99.48%

AIRBORNE BACTERIA

95.13%

TVOC

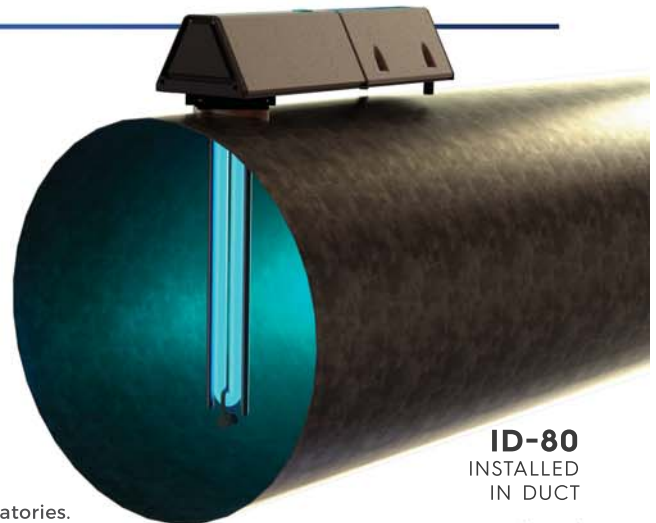
99.00%

AMMONIA

100%

FORMALDEHYDE

* Samples and tests were taken by third-party accredited laboratories.



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INSTALLED
IN DUCT

