

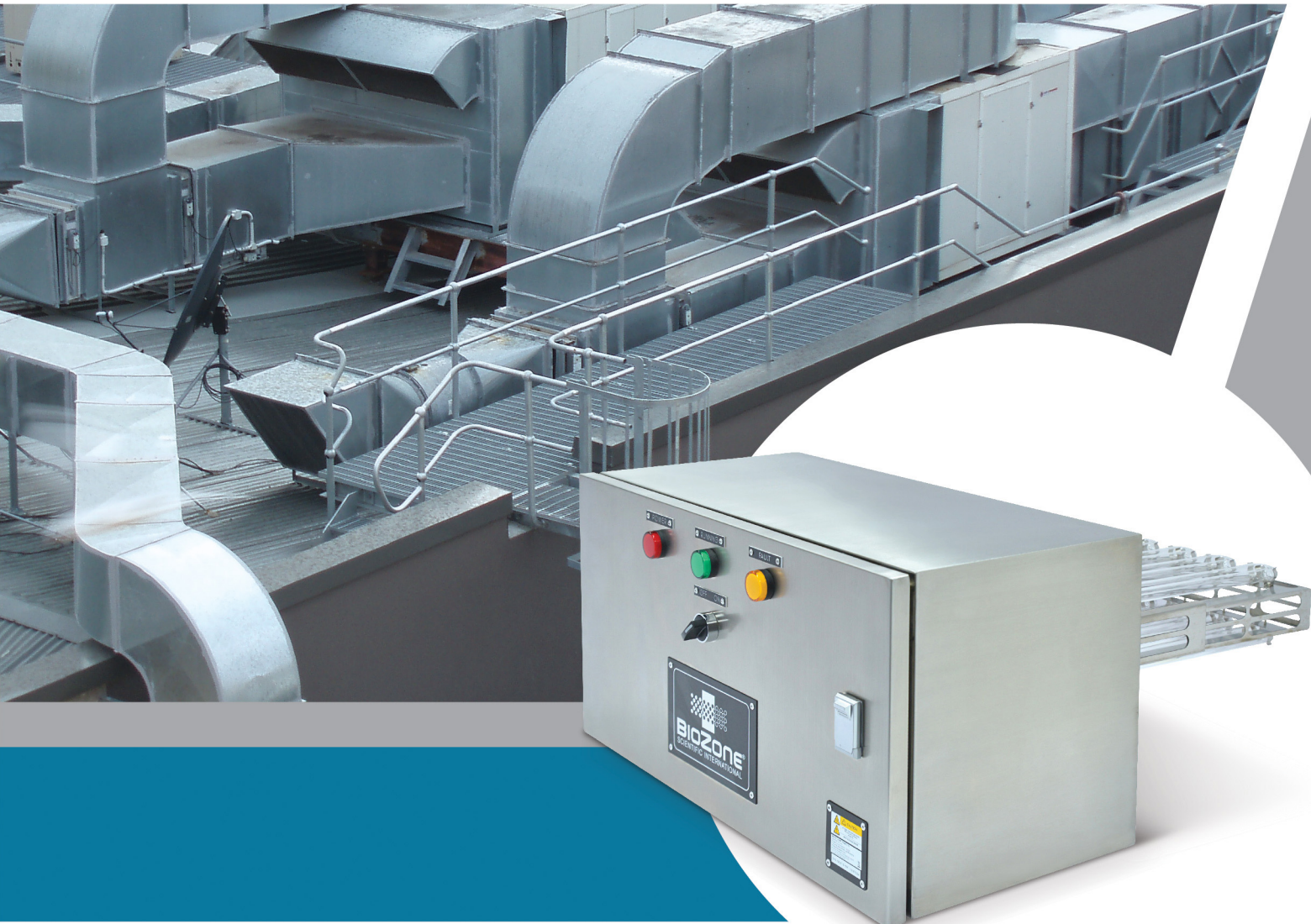


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PHS ASIA Co., Ltd



Multi-Lamp Panel (MLP) Series

Cleaner Air Healthier Life



Eliminates airborne and surface microorganisms

e.g. bacteria, viruses and fungi

Decomposes volatile organic compounds (VOCs) and other organic compounds

e.g. formaldehyde, benzene and members of PAHs

Removes hazardous chemical gases

e.g. ammonia and hydrogen sulfide

Reduces unpleasant odours

e.g. tobacco smoke, musty odour and cooking smell

BioZone® Air Purification Technology: PhotoPlasma™



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 carbon dioxide and water.

Applications

MLP Series can solve both indoor air pollution or emission problems, especially industrial air pollution from medium to heavy contaminations.

Refuse Rooms

Sewage
Treatment
Plants

Grease Traps

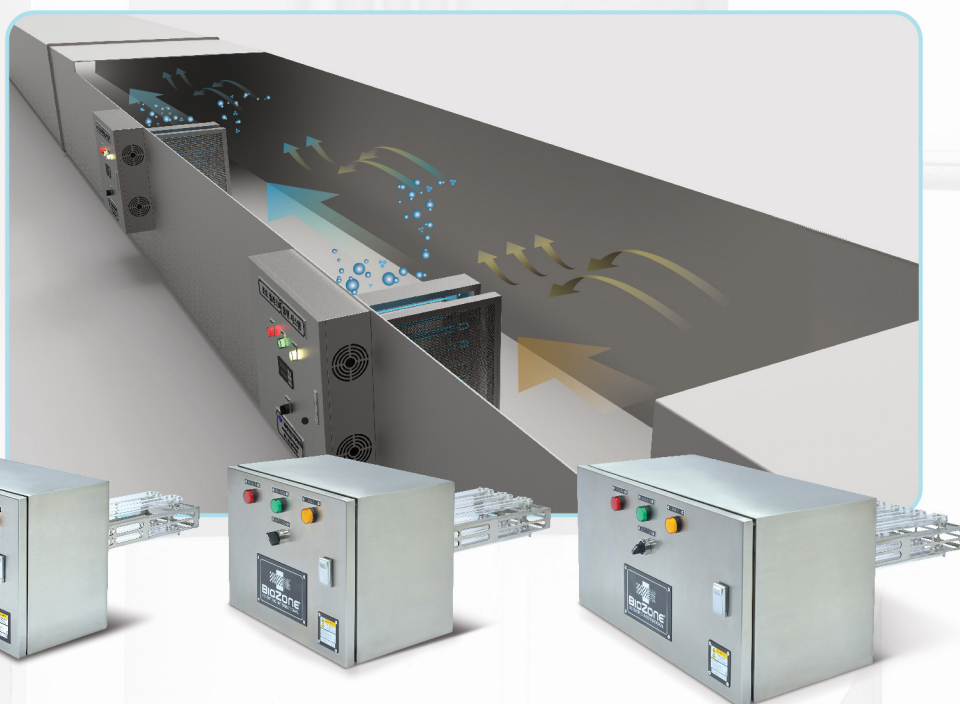
Food Factories

Other
Industrial
Sites

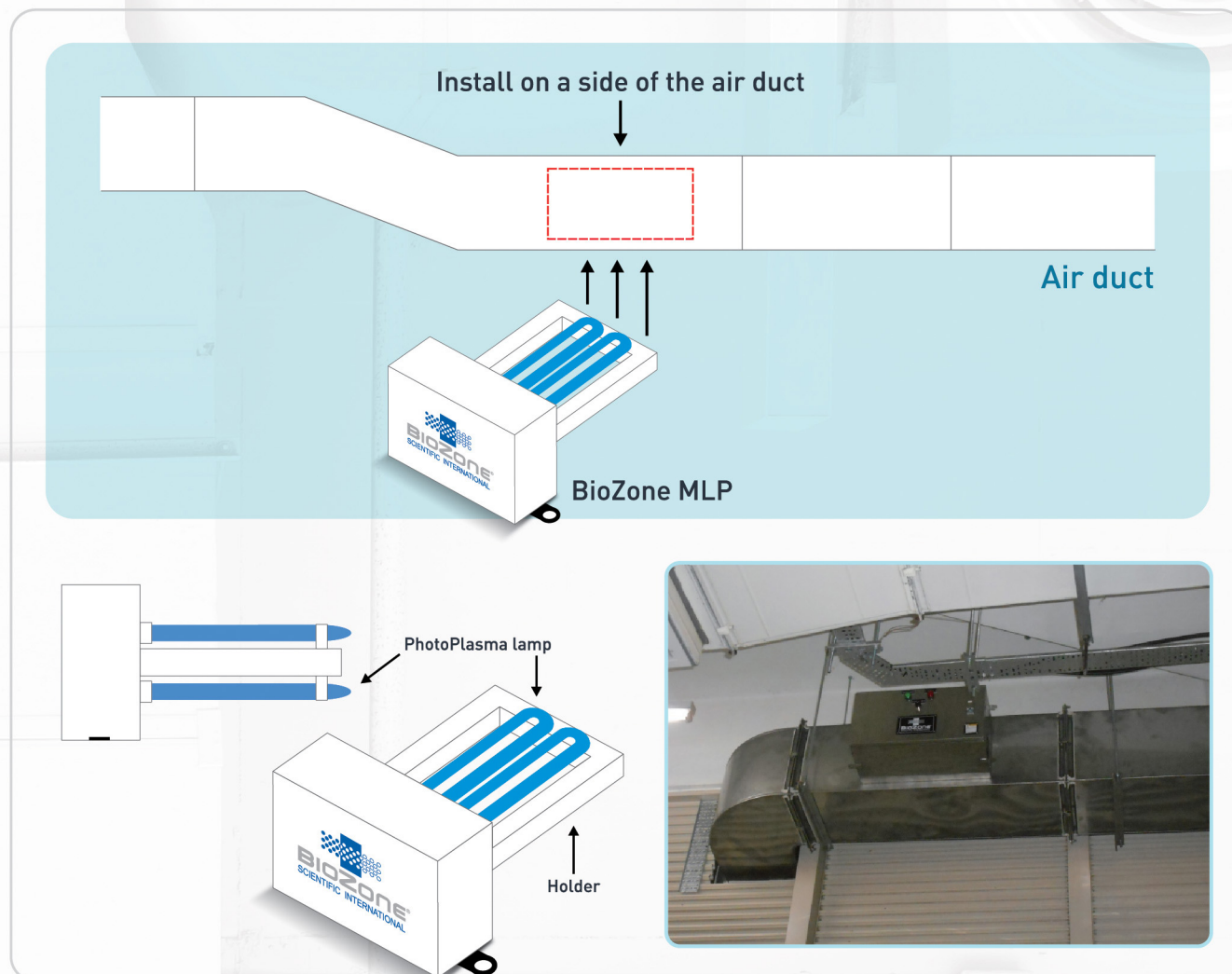
Product Design

MLP Series is a duct-mounted system that removes air pollutants starting from inside the air duct. Indoor air contaminants can also be tackled by PhotoPlasma, which is evenly allocated by the air distribution system.

- 1 PhotoPlasma is generated by MLP.
- 2 PhotoPlasma travels along the air duct and begins the purification process.
- 3 PhotoPlasma will be delivered to public spaces and improve IAQ or exhaust air.

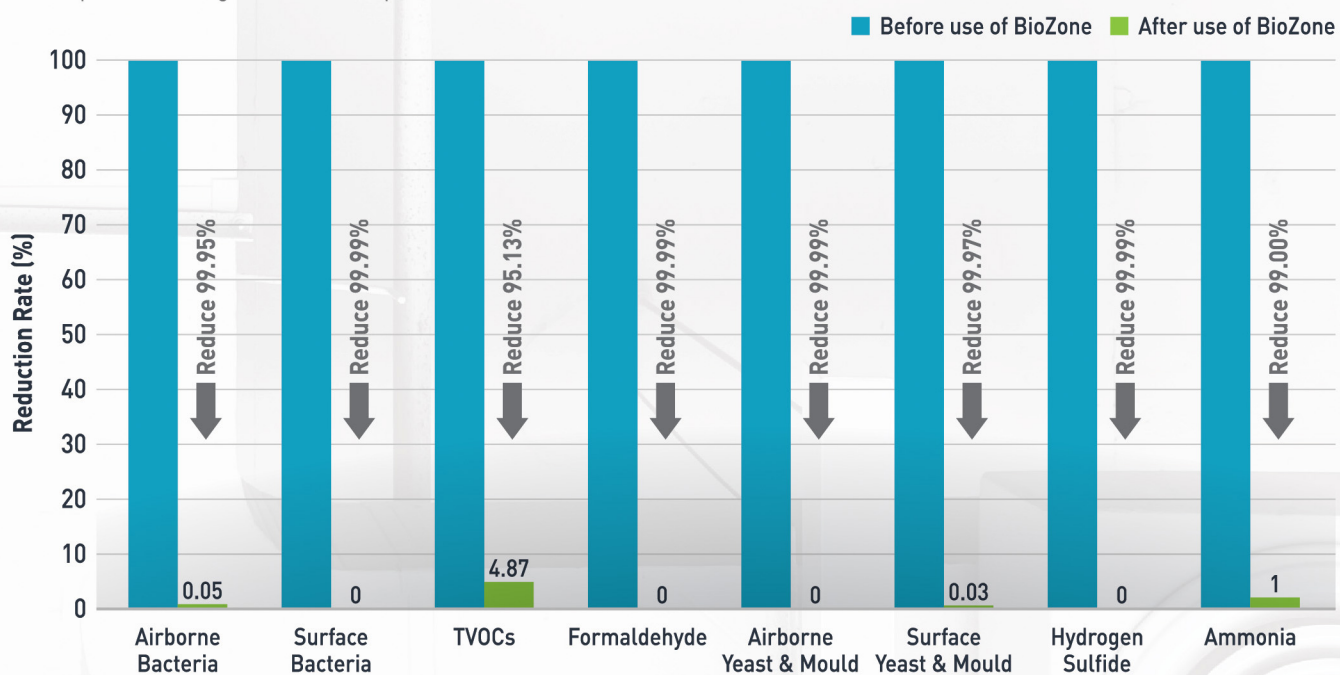


Product Installation



Performance

Proven performance against various air pollutants



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

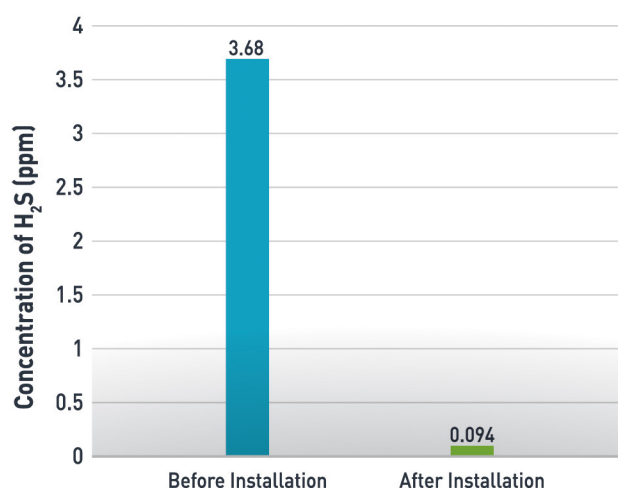
Industrial air pollution includes indoor air pollution in the workplace and industrial emissions. Various custom made models of BioZone's products can be designed for different industrial environments. BioZone air purification systems can break down numerous industrial air pollutants including organic and inorganic pollutants such as benzene, toluene, hydrogen sulfide, etc. and remove unpleasant odours from industrial operations.

BioZone air purification devices can not only protect workers from the potentially damaging effects of indoor air pollution, but can also ensure that factories duly comply with the national and local emission standards.



Case Study

A sewage treatment plant in Hong Kong was causing highly unpleasant odour, in which the major air pollutant was hydrogen sulfide. The level of hydrogen sulfide was subsequently reduced by 97.4% after the installation of BioZone device.



Nominal Specifications

Model:	MLP-01	MLP-04	MLP-06	MLP-10
Size of Control Panel (mm):	250 x 180 x 220	350 x 220 x 300	400 x 250 x 300	580 x 280 x 300
Size of Lamp Holder (mm):	8": 42 x 204 x 60 11": 64 x 280 x 60 15": 64 x 390 x 80	157 x 390 x 80	220 x 390 x 80	340 x 390 x 80
PhotoPlasma Lamp Type:	8"/11"/15"U	15"U	15"U	15"U
Lamp Size (mm):	203 / 280 / 381	381	381	381
Max. Number of Lamps:	1	4	6	10
Weight (kg):	4	9	11.5	17.5
Power Input:	110-220VAC, 50-60Hz			
Power Consumption (W):	<30	<150	<200	<250
Lamp Life:	1 year			

**BioZone Scientific
International Limited**

