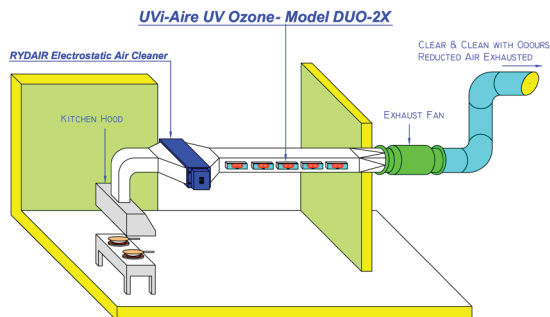
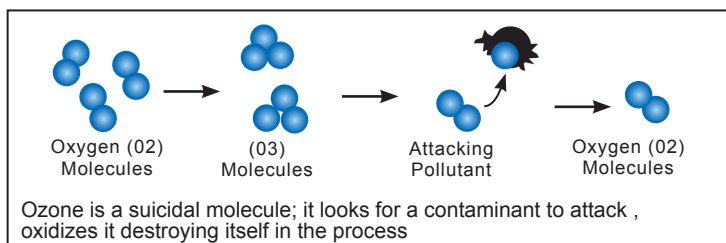


UVC Ozone Treatment For Kitchen Exhaust

UVi-Aire

DUO TYPE Duct Mounted Device

Ozone is produced by UVC lamps without the Titanium Dioxide coating that attenuates frequencies lower than 200 nanometers. At the 187 nm line, it breaks oxygen apart to form two unstable O which in turn fuse with another O₂ to form O₃. Ozone is a powerful oxidant and extremely effective germicidal agent which destroys organic molecules in the air as well as grease and oil from kitchen exhaust. It has a very short lifespan and in ambient temperatures, it will only last 20 to 30 minutes before it returns to normal oxygen O₂.



RYDAIR Electrostatic Air Cleaner With UVi-Aire UV Ozone For Odour Control (Duct Mounted Type)

UVC Ozone is also a scientific breakthrough in odour and grease control, the most effective method known today for eliminating unpleasant odours, grease and oil mist in processing areas. However, in cases where a lot so smoke is generated during the cooking process such as char-grilling, the use of an industrial electronic air cleaner or electrostatic precipitator (EP) is recommended.

UVi-Aire DUO Duct Mounted UVC Ozone

Units are designed for easy mounting to existing or new exhaust ducts. The ballast housing and other components are kept out of the airstream. Lamps can be easily replaced via the ballast housing. Multiple units can be connected and linked to a separate Control Console for interlocking operations with the exhaust fan. The Control Console is an optional item.

DUO units should be installed after the Electronic Air Cleaner and as near to the cooking hoods as possible, or as far as possible from the discharge outlet, so as to give the longest possible contact time with the cooking exhaust. For optimum performance, the contact time for air treatment in the duct should be approximately 0.1 to 0.2 seconds or longer if possible. Charcoal filters may be installed at the last stage to mop up residue ozone.

Features & Benefits:

- Compact Design
- Quick and Easy Installation
- Fits all Exhausts Ducts
- No Noise
- No Pressure Drop
- Easy Maintenance
- Reduces Duct Cleaning.
- Operations Indicator LEDs
- Fan Interlock Control Console Available.

Model No:	Input Voltage	Lamps' Power	Lamps' Length	No of Lamps	Lamps' Life	Capacity
DUO-1X300	230 Volts AC	45 Watts	300mm	1	9000 Hrs	1000CMH
DUO-1X400	230 Volts AC	60 Watts	400mm	1	9000 Hrs	1500CMH
DUO-2X300	230 Volts AC	90 watts(45Wx2)	300mm	2	9000 Hrs	2000CMH
DUO-2X400	230 Volts AC	120Watts(60wx2)	400mm	2	9000 Hrs	3000CMH

DUO-1X300 supercede DM-03-24, DUO-1X400 supercede DM-03-36

- Ballast Housing is made of mild steel, epoxy coated.
- Dimension: DUO-1 250mm x 155 mm x 90mm
DUO-2 490mm x 155mm x 90mm
 - Multiple units required depending on airflow.

Care should be taken to prevent exposure to UV Ozone light. Power supply to the UV Ozone lamps should be interlocked with the kitchen exhaust fan and should be turned off during routine maintenance.

Airverclean Pte Ltd

61 Kaki Bukit Ave 1, 03-19, Shun Li Industrial Park, Singapore 417943
Tel: 65-6741-5800 Fax: 65-6741 3935 www.airverclean.com

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INOVEC
TRADING
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Tel: 4442 6504

Email: info@inovec.qa

Website: www.inovec.qa

Manufacturer reserves the right to change dimensions & specifications without any notification.