

COMMERCIAL DEODORIZER & AIR PURIFIER



FGA Series

Ozone is a powerful oxidant and bactericide and is sometimes called "activated oxygen", or "triatomic oxygen", contains three atoms of oxygen rather than the two atoms we normally breathe.

UV ozone is an effective method for eliminating unpleasant odors in garbage/sewage treatment rooms, grease and oil mist in cooking processing areas and other areas where odor is a problem.

However in cases where a lot of smoke and oil mist is generated during the cooking process the use of an electrostatic air cleaner is recommended.

UVIAIRE's FGA unit is an Ozone Generator producing high volume of ozone via the corona discharge method.

Air is drawn through a blower fan across the corona plates powered by high tension transformers.

The oxygen in the air is converted into ozone which is discharged through the 100mm diameter nozzle into the desired area where the ozone reacts with contaminants.

All the electronic components and power supply are in a separate compartment, out of the airstream.

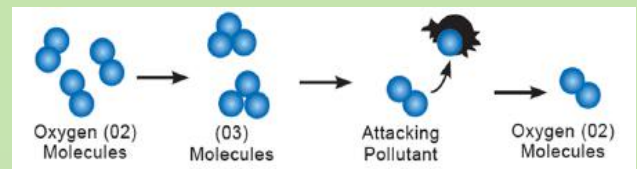
A hydrophobic prefilter ensures dry clean air being fed to the corona discharge plates

FGA units have Adjustable Ozone Levels:

FGA-20K 10g/hr / 15gm/hr / 20gm/hr (max)
FGA-40K 20gm/hr / 30g/hr / 40gm/hr (max)

FG A units are available in 2 versions:

1. Regular Mild Steel in Powder Coating
2. Stainless Steel



Ozone is suicidal molecule; it looks for a contaminant to attack, oxidizing it and destroying itself in the process

FEATURES:

- Compact Design
- Simple Installation.
- Fits All Exhaust Ducts
- Easy Retrofits To Existing Ducts
- No Pressure Drop
- Easy Maintenance
- Reduces Duct Cleaning
- Standby and Operational LEDs

APPLICATIONS:

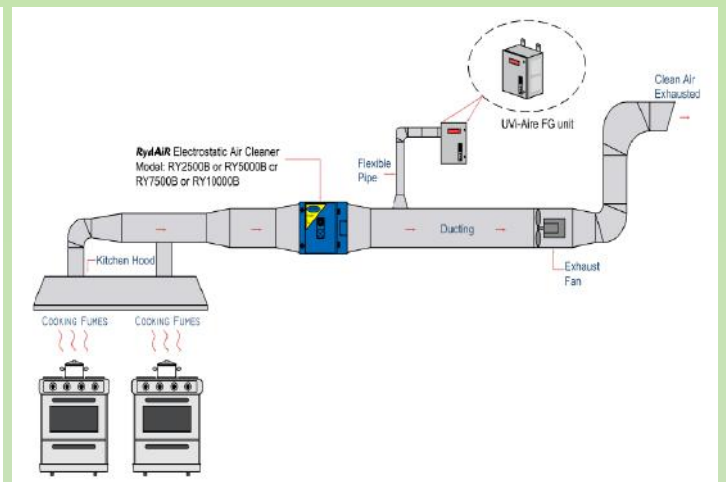
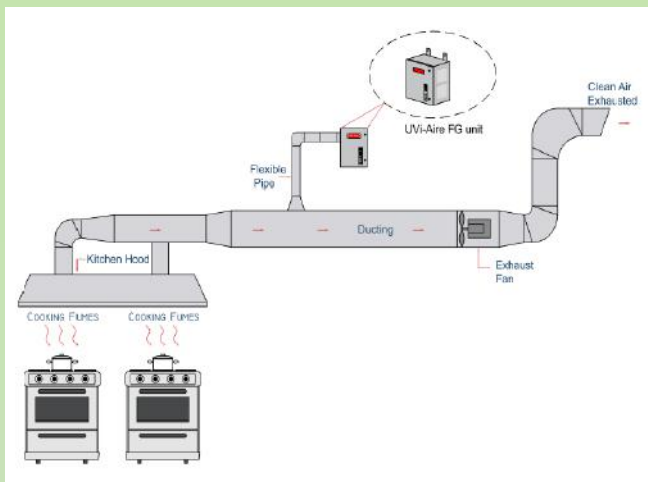
- Kitchen Exhausts
- Garbage Rooms
- Sewage Treatment Rooms
- Seafood Storage Areas
- Fresh Food Stores.
- Other Areas with Odor Problems



Model	Dimension W x H x D (mm)	weight	Voltage	Power consumption	Ozone Output	Maximum Airflow
FG-20K	320x425x220	15Kg	230VAC	200W– 350W	10g/hr, 15g/hr, 20g/hr	Up to 20,000CMH
FG-40K	500x425x265	20Kg	230VAC	350W-700W	20g/hr, 30g/hr, 40g/hr	Up to 40,000CMH
FG-20KSS	320x425x220	15 Kg	230VAC	200W– 350W	10g/hr, 15g/hr, 20g/hr	Up to 20,000CMH
FG-40KSS	500x425x265	20Kg	230VAC	350W-700W	20g/hr, 30g/hr, 40g/hr	Up to 40,000CMH

Remarks: Air Flow handling capacity depends on odor level. For heavier odor, a ratio of the maximum airflow is considered. Hence the air handling capacity shall be reduced to 0.25 for heavy odor and 0.5 for medium odor problem. **For light odor, the Maximum airflow capacity applies.**

Typical Installation:



The FG-K unit is a self contained unit with a 100mm diameter nozzle on one end to direct ozone to the required area by means of flexible or rigid ducts. Its small size makes it flexible for installation in various locations. As the FG-K unit produces high levels of ozone, its operations should be interlocked with the exhaust fans for safety reasons.



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