

# COMMERCIAL KITCHEN OZONE GENERATOR



## OZONE

Ozone is widely found in nature and is a gas with strong oxidizing properties. Originally confirmed and named by the French scientist Schonbein in 1840. As early as the 19th century, it has been found that ozone has an oxidizing effect on wood, straw, starch, plant pigments, natural rubber, oils, animal and vegetable oils, and alcohol. After more than one hundred years of development, ozone has been maturely used in water treatment, chemical oxidation, food processing and preservation, and medical treatment.



## ABOUT US

Qili is the professional manufacturer in the field of ozone generator, oxygen generator, ozone testing meter, ozone spare parts and other accessories.

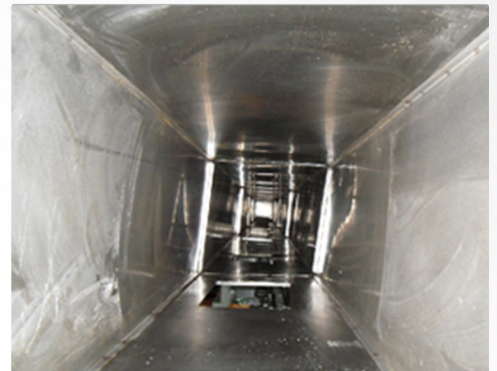
We provide the high quality products to our customers and the suitable solution of water treatment and air purification. We will supply you the fastest and the most professional services, will be your best business partner.



## USING OZONE TO REDUCE GREASE AND ODORS IN VENTILATION DUCTS

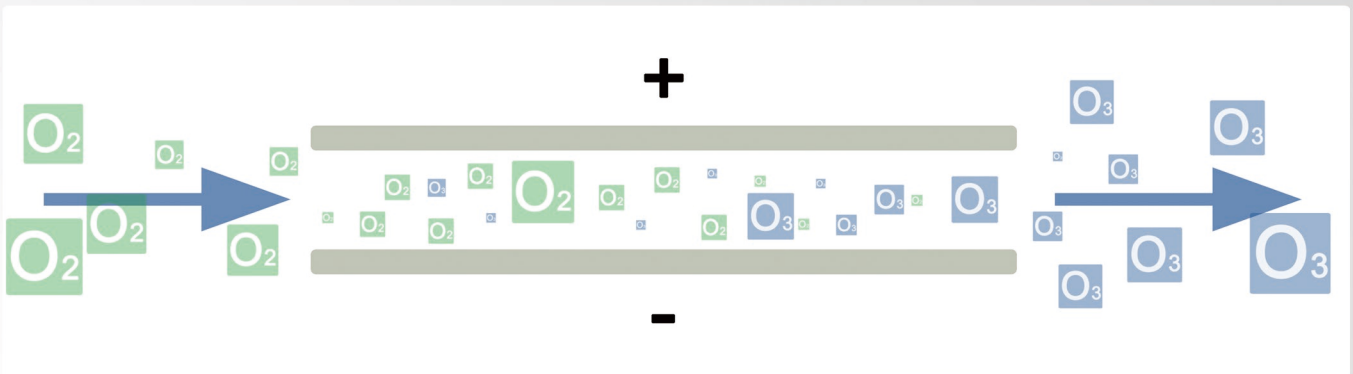


- ◆ The QLC series is specially designed for restaurants and kitchens to remove grease and odors.
- ◆ The QLC series adapts our high-quality corona discharge ceramic tube, which has a long service life and easy to maintain.
- ◆ Ozone has strong oxidizing properties that can oxidize oils and fats, so it can be used against kitchen fumes.
- ◆ The ozone can not only remove grease and odors, but also kill bacteria which can grow and reproduce in oil.



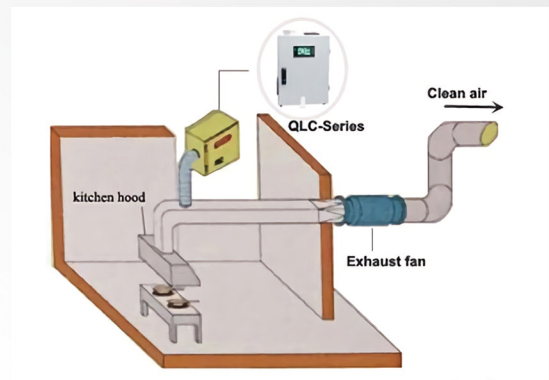
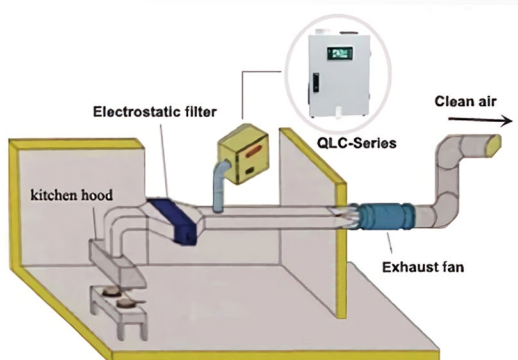
## CORONA GAP DISCHARGE TECHNOLOGY

The unique corona gap discharge ozone generation unit produces ozone through high voltage discharge. In this environment, oxygen dispersed between ceramic plates can undergo a chemical reaction to form ozone. The ceramic plates are sintered with thick film printing of precious metal paste at high temperature, which lead to a long service life over 10000 hours.



## INSTALLATION

- ◆ The ozone generator is wall-mounted and can be hung on the wall connected to the exhaust ducts by using PVC pipe.
- ◆ The QLC series injects ozone into the kitchen exhaust ducting, which is outside the contaminated airflow, and therefore requires less maintenance.



## APPLIANCE



Kitchens



Restaurants



Family use



Food storage



Agriculture

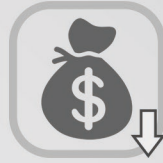
## BENIFITS OF USING OZONE IN VENTILATION DUCTS



LESS GREASE



LESS ODORS



LOWER COSTS



SAFER PLACE

### ◆ LESS GREASE

Ozone can break down grease into water and carbon dioxide.

#### CLEANER ENVIROMENT

The reduction in grease ensures a cleaner kitchen environment, which is very important for restaurants.

### ◆ LESS ODORS

Independent tests have proven commercial kitchen ozone generator can reduce odors up to 95%..

#### HEALTHIER ENVIRONMENT

By reducing the odors, it can reduce its damage to the respiratory tract and create a healthier environment.

### ◆ LOWER COSTS

Save money by eliminating the cost of cleaning the ventilation ducts and reducing energy consumption.

### ◆ SAFER ENVIRONMENT

The reduction in grease can reduce the probability of deflagration and dust explosions.



## PRODUCT INTRODUCTION

QLC series.



## TECHNICAL SPECIFICATION

Model	Ozone output (g/h)	Power (W)	Ozone concentration (ppm)	Treat air flow	NW/GW (kg)	Air blower flow (m <sup>3</sup> /h)	Dimension (cm)	Voltage	Cooling way	Gas feeding
QLC-20G	20	180	42-50	7,000+	17.6/19.8					
QLC-40G	40	350	70-85	10,000+	17.8/20.0	300	40*30*62	220V/ 50Hz	Air cooling	Air source
QLC-60G	60	380	125-130	15,000+	18.0/20.2					

Remarks

Material: Stainless steel

Operating humidity: ≤60%

Warrenty: 12 months

Operating temperature: -25°C to +40°C

## INTERNAL STRUCTURE

- ◆ The power supply and the ozone ceramic plates are changeable.
- ◆ Clean inside if necessary by using a soft towel.
- ◆ **Never use any tool or scraper to clean the electrodes.**



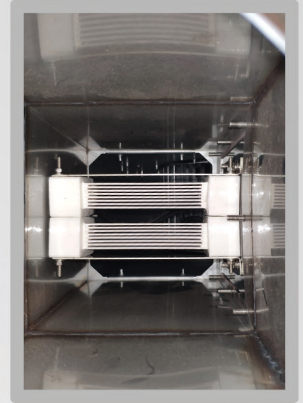
Press the button  
Open the door



Power supply  
Control system



Ozone unit  
circuit connection



Ceramic plates

## WAREHOUSING AND LOGISTICS



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