2024



Flygoo
Ozone Systems

LEADER OF OZONE TECHNOLOGY IN WATER AND AIR TREATMENT

Flygoo Eco-Technologies (Guangzhou) Co., Ltd.
Address: 510430, No. 15, Shijiao Street, Yagang, Shimen Subdistrict, Baiyun District, Guangzhou, China
Phone: 86-13430328614 Tel: 86-20-36038012
Email: info@flygoo-ozone.com
Http: // www.chinaozonegenerator.com

Flygoo Eco-Technologies (Guangzhou) Co., Ltd.

CONTENTS

Company Profile ---------- 01

Qualification ---------- 03

Core Technology ---------- 04

Large Ozone Generator ---------- 05

Medium Air Feed Ozone Generator ---------- 06

Oxygen Feed Ozone Generator ---------- 07

Ozone Air Disinfectant ---------- 09

Ozonated Water System ---------- 11

Portable Ozone Cart Washer ---------- 12

Commercial Ozone Generator ---------- 13

Oxygen Generator ---------- 17

Oxygen Generator Module ---------- 18

Ozone Generator Kits ---------- 19

Ozone Injection ---------- 21

Ozone Monitors ---------- 23

Accessories ---------- 33

Ozone Knowledge ---------- 35

Ozone Application ---------- 36

Company Profile







Flygoo Eco-Technologies (Guangzhou) Co., Ltd is a professional company specializing in ozone generation mechanism research, ozone equipment design and manufacture, ozone application system design, installation, debugging, operation and maintenance.

Flygoo have been committed ourselves to ozone technology industrialization and innovation, and have been serving for many customers disinfecting in drinking water treatment, food factories sterilization, reclaimed- water recycling, cosmetic container surface, aquaculture, poultry, swimming pool, pharmaceutical workshop, food storage, GMP, fruit and vegetable pesticide degradation, waste water treatment (hospital, food factory, electroplate factory and municipal waste water) and industrial odor removal.

Flygoo is a technology-oriented company, attaching great importance to the advanced technology. The R&D engineers have good skills and rich experience in the ozone industry, continuously developing high quality ozone generators.

We would like to join hands with the organized, reliable & customer oriented companies to spread our footprints worldwide.

Flygoo Eco-Technologies (Guangzhou) Co., Ltd

Qualification





Honor

Flygoo is yet to receive more and more awards like this in future. The secret of success and more awards is all about our team work and extraordinary performance of each employee.







Certificate

Disinfection Hygiene Production License
A Class of Taxation Credit Certification
CE Certificate and RoHs Certificate
High-Tech Enterprise Certification
Product Qualified Certificate
Certificate of Design Patent
Microbiology Reports
Trademark Certificate
Business Licence
ISO9001:2015

+∞

Core Technology

Ozone Application Technology

Application technology of water disinfection
Application technology of space sterilization
Application technology of high concentration water
Application technology of waste gas treatment

Ozone Generator Development Technology

Ozone generation chamber technology
Special high and middle frequency power technology
Ozone generation chamber control technology

Ozone System Accessories Development Technology

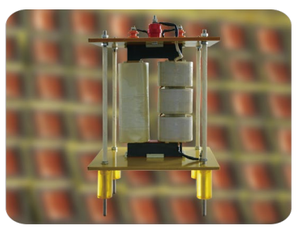
Gas feeding treatment technology
Ozone dosing system technology
Degassing treatment technology

Core Technology of Ozone Generator

Dielectric obstruction discharge technology
Special power control and core technology
Special high and middle frequency transformer parts
Key parts for ozone chamber safe operation protection

Ozone Generator Core Technology

International leading glass and non-glass discharge dielectric technology
Capacitive load high power inverter resonant power supply technology
Capacitive load high power dry type high voltage transformer technology
Power control technology based on IP core and digital logic circuit
Embedded on-line detection and remote monitoring technology of ozone system









Large Ozone Generator

This large series ozone generator utilize automatic control system, HMI control, Chinese-English LCD display, and real-time monitoring of system status and operation parameters. The automatic control system can be designed and configured according to the site requirement, and the PLC operation system is from Siemens. Designed for 24x7 continuous running & maintenance free operation, its basically water cooled models using specific patented technologies.The external electrode is made of stainless steel 316L which makes the product reliable and long operation hours. The product has high ozone concentration, compact design and is extremely durable!

Product Features

- Advanced IGBT power supply unit, standard 4 ~ 20mA signal control
- Multi-point malfunction monitoring, HMI display (Siemens PLC control)
- High concentrated ozone up to 150 mg/l (10% wt) with oxygen source



Product Specifications

Model	Ozone Output (g/h)	Water Cooling	Max. Concentration (mg/L)	Weight (kg)	Power (KW)	Input Supply	Gas Source	Dimension (mm)
FG-OF 500	500	1.0-1.5m³/h	Oxygen Source: 80~120 ; Air Source: 15~30	250	5.5	AC380V 50/60Hz, 3 phases	Oxygen or Dry Clean Air	1240*600*1820
FG-OF 800	800	1.5-1.7m³/h		350	8.5			1400*700*1820
FG-OF 1000	1000	1.8-2.0m³/h		350	10.5			1400*700*1820
FG-OF 1500	1500	3.0m³/h		380	14.5			1700*780*1850
FG-OF 2000	2000	4.0m³/h		440	18.5			1700*780*1950

Note: The specification in the technical parameter table is only for reference, please make the object as the standard.

Medium Air Feed Ozone Generator

The series of product utilize dry clean air from the external air treatment as gas source. The products use heat-resistant non-glass structure discharge unit, it has advantage of high pressure of ozone output and stability.

Product Features

- Air source ozone generator; Freeze-drying air treatment, which is more suitable for high humidity and high temperature working environment
- Adjustable ozone amount; Water cooling system, suitable for continuous operation
- Monitoring functions:over current, over temperature and backflow water to ozone cell protection



Product Specifications

Model	Ozone output (g/h)	Water Cooling (m3/h)	Weight (kg)	Gas Source	Power (KW)	Input Supply	Ozone Generator Size (mm)	Air Dryer Size (mm)	Air Compressor Size (mm)	Air Storage Tank (mm)
FG-AF 60	60	0.3~0.4	160.5	Dry Clean Air	2.1	AC220V 50/60Hz	800*400*1230	650*420*640	520*240*500	/
FG-AF 80	80	0.3~0.4			2.55				600*300*500	
FG-AF 100	100	0.4~0.5			3.0				600*260*620	
FG-AF 150	150	0.6~0.7	204.5		3.9		1000*500*1305			
FG-AF 200	200	0.6~0.7	275.5		5.36				670*300*580	1730*567 *567
FG-AF 300	300	0.7~0.8			6.1					

Oxygen Feed Ozone Generator

This series of product utilize oxygen from the internal oxygen generator as gas source, and high concentration ozone is generated by the corona discharge technology. The equipment has integrated oil-free air compressor, filtering system, PSA oxygen generator, condenser, etc.

Product Features

- Air cooling ozone generation tube; Utilize large power IGBT modules
- PSA Oxygen generator unit, molecular sieve from France CECA
- Independent R&D digital control panel, with timing control and ozone amount continuous adjustable



Product Specifications

Model	Ozone Output (g/h)	Oxygen Flow (L/Min)	Weight (kg)	Gas Source	Cooling Method	Power (W)	Input Supply	Dimension (mm)
FG-OF 3	3	3	42	Oxygen	Air Cooled	530	AC220V 50/60Hz; AC110V 60Hz	500*370*880
FG-OF 5	5	3	43			550		
FG-OF10	10	5	44			600		
FG-OF 15	15	5	44.5			700		
FG-OF 20	20	5	45			750		
FG-OF 25	25	8	48			850		

This serie is built for extreme usability by incorporating the oxygen concentrator into the system. This structure is extremely stable, high discharge efficiency and it is not easily damaged by back flow water. It is great for a variety of industrial applications: water treament, sewage trement, bad odor control etc.

Product Features

- Turnkey ozone generator with integrated oxygen concentrator
- Adjustable output standard; Water cooling system; Designed for 24/7 operation
- Malfunction monitoring: IGBT over temperature, water return generator protection, cooling water over temperature, Low concentration protection etc



Product Specifications

Model	Ozone Output (g/h)	Oxygen Flow (L/Min)	Weight (kg)	Gas Source	Power (KW)	Input Supply	Water Cooling (m3/h)	Ozone Generator Dimension (mm)	Oxygen Generator Dimension (mm)
FG-OF 20	20	5	56	Oxygen	0.75	AC220V 50/60Hz	0.2~0.3	560*420*880	/
FG-OF 30	30	8	57		0.85		0.2~0.3		
FG-OF 40	40	10	58		0.95		0.2~0.3		
FG-OF 50	50	10	66		1.15		0.3~0.4	660*420*1080	
FG-OF 60	60	10	67		1.25		0.3~0.4		
FG-OF 80	80	15	91		1.90		0.3~0.5	800*400*1230	
FG-OF 100	100	20	96		2.30		0.4~0.5		
FG-OF 120	120	20	98		2.4		0.4~0.5		
FG-OF 150	150	30	105+92		3.40		0.6~0.7	950*550*1270	850*450*1170
FG-OF 200	200	40	125+110		4.50		0.6~0.7		
FG-OF 300	300	60	145+215		6.50		0.7~0.8		1270*620*1460

Ozone Air Disinfectant

The ozone air disinfectant is an advanced high ozone production and large output flow for shock treatment in all type of environments and surfaces, to achieve a total disinfection with a powerful viricide, bactericide and fungicide action.

Duct Air Ozone Generator

Product Applications

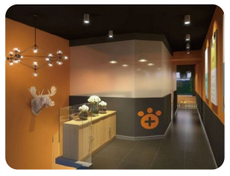
- Ozone from corona discharge along surface
- Built-in air blower, treatment of large air flow
- Smart display, LCD display featured to show different working modes
- Large ozone outlet in 50mm diameter



Application Areas



Hotel



Pet Store



Purification Workshop



Vehicle



Cinema

Product Specifications

Model	Ozone Output (g/h)	Cooling Method	Weight (kg)	Disinfection Area (m²)	Power (W)	Input Supply	Dimension (mm)
FG-M-1 30	30	Air Cooled	17	≤200	280	AC220V 50/60Hz; AC110V 60Hz	420*375*750
FG-M-1 40	40		18	≤280	340		
FG-M-1 50	50		19	≤350	420		
FG-M-1 60	60		24	≤420	500		

Wall Mounted Air Ozone Generator

Product Applications

- Wall mounted installation
- Corona discharge along surface
- Built-in air blower, cover large area odors
- LCD display and different working modes



Product Specifications

Model	Ozone Output (g/h)	Cooling Method	Weight (kg)	Disinfection Area (m²)	Power (W)	Input Supply	Dimension (mm)
FG-W-1 20	20	Air Cooled	9.8	≤150	175	AC220V 50/60Hz; AC110V 60Hz	600*160*320
FG-W-1 30	30		10.3	≤200	240		
FG-W-1 40	40		11	≤280	308		

Ceiling Mounted Air Ozone Generator

Product Applications

- Ceiling mounted installation
- Corona discharge along surface
- LCD display and remote control
- Built-in air blower, cover large area



Product Specifications

Model	Ozone Output (g/h)	Cooling Method	Weight (kg)	Disinfection Area (m²)	Power (W)	Input Supply	Dimension (mm)
FG-C-1 30	30	Air Cooled	15.0	≤200	240	AC220V 50/60Hz; AC110V 60Hz	625*625*215
FG-C-1 40	40		16.0	≤280	305		
FG-C-1 50	50		17.0	≤350	370		

Ozonated Water System

The high concentration ozone water machine uses a unique high efficient mixing technology and generates high concentration ozonated water. The machine with integrated design is composed of ozone generating unit, oxygen generator, reaction tank, backflow prevention device and degassing device for optional.

Product Features

- Easy to use push button controls-full system monitoring indicators
- Rotary booster pump-boosts low pressure water supplies for better coverage
- Typical ozone dosage rate up to 10.0 ppm at water recirculation
- ORP Controller / Dissolved Ozone Analyzer for optional





Product Specifications

Model	Water Flow Rate (m3/h)	Electric(V/Hz)	Power (KW)	Weight(kg)	Dissolved Ozone (PPM)	Gas Source	Dimension (mm)
FG-OWS 1	1	AC220V 50/60Hz; AC380V 50/60Hz;	1.15	82	≥2.5	Oxygen	850*480*1150
FG-OWS 2	2		2.0	90			850*480*1150
FG-OWS 6	6		3.2	140			1300*600*1450

Portable Ozone Cart Washer

The mobile ozonated water disinfection cart has never been easier or more flexible. This serie of portable ozone contacting systems bring together revolutionary air-cooled corona discharge ozone technology in compact and completely integrated ozone contacting systems. Typical ozone dosage rate up to 20.0 ppm at water recirculation.

Product Features

- Air-cooled ozone reactor cell
- Built in oxygen concentractor
- Water return preventor
- Onboard injector pump and mixer
- Ozone destructor
- SUS304 contact tank
- Hose and wash gun

Application



Surface Cleaning



Bottling Equipment



Crusher



Barrel Washing



Product Specifications

Model	Water Flow Rate (m3/h)	Input Supply	Power (W)	Max. Reactor Pressure (PSI/Bar)	Dissolved Ozone (PPM)	Gas Source	Dimension (mm)
FG-OWS	1~2	AC220V 50/60Hz	1050	12/0.8	5-8	Oxygen	1100*440*1270

Commercial Ozone Generator

The OzonAqua line of ozone generators are turnkey ozone generators with integrated oxygen concentrator. Simply plug into electrical power and produce both oxygen and ozone from one device. Ozone control standard, air cooled ozone reactor cell, wall mount, or floor standing generator is extremely versatile and easy to use.

Application Areas



Swimming Pool



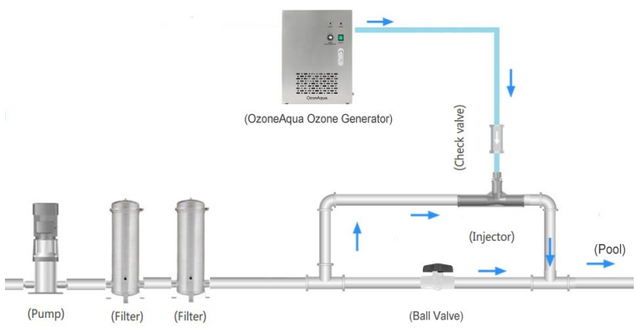
Commercial Laundry



Livestock Water



Agriculture Water





Product Specifications

Model	Ozone Output (g/h)	Oxygen Flow *(L/Min)	Weight (kg)	Cooling Method	Power (W)	Input Supply	Dimension (mm)	Ref. Pool Volume* (Liters)
FG-OF 3	3	1-2	11	Air Cooled	160	AC220V 50/60Hz; AC110V 60Hz	340*190*480	50,000
FG-OF 5	5	1-2	12		170		340*190*480	80,000
FG-OF 10	10	3	23		415		450*260*610	100,000

Remark :

1. This unit can be made air source ozone generator, which is built in air pump;
2. You can find approximate sizes for your swimming pool size. Please note, other factors such as humidity, quality of water, and temperature must be considered when choosing an ozone generator.

Commercial Ozone Generator

The FG-AF series units are corona discharge ozone generators, with advanced IGBT power modules. The ozone generation tube is utilized dehydroxylation quartz glass structure dielectric. Air cooling by using highly efficient fans in specific designed areas allows for better heat dissipation thereby increasing the overall efficiency and life.

Product Features

- Corona discharge ozone cell
- Variable output control
- Air and water treatment
- Smart LCD display
- Variable timing control
- Stainless steel enclosure





Product Specifications

Model	Ozone Output (g/h)	Cooling Method	Weight (kg)	Gas Source	Power (W)	Input Supply	Dimension (mm)	Control
FG-AF 15	15	Air Cooled	18	Dry Clean Air (or Oxygen)	260	AC220V 50/60Hz; AC110V 60Hz	390*290*660	Touch Screen (Remote/WiFi)
FG-AF 20	20		19		340			
FG-AF 30	30		37		530		510*370*850	
FG-AF 40	40		39		620			
FG-AF 50	50		41		700			

Commercial Ozone Generator

The series ozone generators use high voltage, high frequency corona discharge technology for ozone production.It comes with inbuilt air pump, provides ozone gas, by just giving power connection to it. No other additional connections are required & installation is very simple.

Product Features

- Based on the principle of corona discharge
- Variable ozone output (20-100%)
- Air and water treatment
- Smart LCD display
- Stainless steel enclosure
- Compact and wall mountable



FG-W

Model: FG-W

Ozone Output (g/h)	Cooling Method	Weight (kg)	Gas Source	Power (W)	Input Supply	Dimension (mm)	Control
3	Air Cooled	5.7	Dry Clean Air	85	AC220V 50/60Hz; AC110V 60Hz	500*160*220	Touch Screen (Remote/WiFi)
5		6.0		100			
10		7.7		140		580*180*240	

Commercial Ozone Generator



FG-H



FG-M

Model: FG-H

Ozone Output (g/h)	Cooling Method	Weight (kg)	Gas Source	Power (W)	Input Supply	Dimension (mm)	Control
2	Air Cooled	5.0	Dry Clean Air	55	AC220V 50/60Hz; AC110V 60Hz	260*180*490	Touch Screen (Remote/WiFi)
3		5.4		65			
5		6.0		85			

Model: FG-M

Ozone Output (g/h)	Cooling Method	Weight (kg)	Gas Source	Power (W)	Input Supply	Dimension (mm)	Control
3	Air Cooled	8.9	Dry Clean Air	60	AC220V 50/60Hz; AC110V 60Hz	320*250*680	Touch Screen (Remote/WiFi)
5		10.2		100			
10		10.7		135			

Oxygen Generator

This oxygen generator is used France CECA zeolite molecular sieve adsorbent, separating oxygen from nitrogen in the air using pressure swing adsorption (PSA) principle, and filter harmful substances in the air, so as to obtain a high purity oxygen in line.

Product Features

- Up to 95% oxygen concentration
- Self-Contained turnkey unit
- Save enegy and low operating cost
- Built-in oilless air compressor



Product Specifications

Model	Oxygen Output		Output Pressure (Mpa)	Oxygen Purity	Power (W)	Weight (kg)	Dimension (mm)	Input Supply
	L/min	m3/h						
FG-OX 3	3	0.18	0.06-0.1	92~95%	550	32	500*400*625	AC220V 50/60Hz; AC110V 60Hz
FG-OX 5	5	0.3			600	33		
FG-OX 8	8	0.48			620	33		
FG-OX 10	10	0.6			650	34.5		
FG-OX 20	20	1.2			1000	80	550*450*1170	
FG-OX 30	30	1.8			1800	98	850*450*1170	
FG-OX 40	40	2.4			2400	116	850*450*1170	
FG-OX 60	60	3.6			4900	240	1270*620*1460	
FG-OX 80	80	4.8			6500	320	1600*620*1460	

Oxygen Generator Module

This model is an OEM oxygen concentrator module and requires only electrical power and compressed air for operation. It's compact design makes it great to fit into your existing system where good oxygen purity is required.

Product Features

- OEM oxygen concentrator module
- Reliable Oxygen Production 90-95%
- Rebuildable design with replaceable sieve beds and valves
- Easily Integrated



FG-OXSP-1



FG-OXSP-2

Product Specifications

Model	Oxygen Flow (L/Min)	Oxygen Purity	Power (W)	Inlet Gas Pressure (Mpa)	Output Gas Pressure (Mpa)	Weight (kg)	Dimension (mm)	Input Supply
FG-OXSP-1	3	92~95%	400	0.18-0.2	0.04-0.06	16.7	380*285*380	AC220V 50/60Hz; AC110V 60Hz
	5		500	0.2		18	380*285*450	
	8		500	0.2		19	380*285*490	
	10		550	0.2		19.4	380*285*450	
FG-OXSP-2	3		/	0.18-0.2		6.0	500*160*160	
	5		/	0.2		6.9	540*173*176	
	8		/	0.2		6.8	540*173*176	
	10		/	0.2		7.2	585*173*176	

Note:

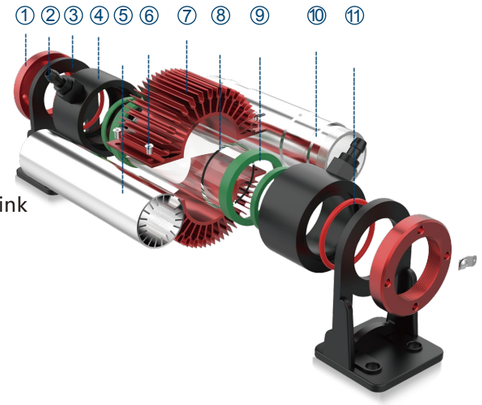
FG-OXSP-1 : Including PSA oxygen generator towers, oil-less air compressor, condenser,filter and muffler.

FG-OXSP-2 : Including PSA oxygen generator towers.

Ozone Generator Kits

Flygoo ozone generator kits use the latest corona discharge technology. With a high performance, ozone generation cell utilizing dehydroxylation quartz structure and electrode is made of stainless steel 316L which makes the product reliable and long life time.

① Fixed aluminum circle
② Gas inlet and outlet
③ High temperature resistance,flame retardant and anti-corrosion bracket
④ Quartz tube fixed bracket
⑤ Internal aluminum heat sink
⑥ SUS304 screw
⑦ External solar aluminum heat sink
⑧ Denitration quartz glass tube
⑨ PTFE rubber ring
⑩ SUS316L Imported stainless steel inner electrode
⑪ PTFE O-ring



Product Features

- Compact and lightweight
- High concentration of ozone
- Long life stainless steel electrode
- Variable ozone output setting
- Advanced IGBT power module





Product Specifications

Item	Unit	FG-SP				FG-SP-1				
Model	/	3G	5G	7G	10G	3G	5G	7G	10G	15G
O2 flow rate	L/MIN	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-8
O3 Concentration	Mg/L	60~18	68~21	78~28	86~30	60~18	68~21	78~28	86~30	80~39
O3 output	g/h	3.6-5.4	4.08-6.3	4.68-8.4	5.14-10.82	3.6-5.4	4.08-6.3	4.68-8.4	5.14-10.82	4.8-18.72
Power	w(±5%)	35	45	55	80	35	45	55	80	160
O3 Adjustable	%	/				20-100%				
Input power	/	AC220V 50Hz/60Hz； AC110V 50Hz/60Hz								
Cooling method	/	Air cooling								
O3 tube size	mm	165*85*93	185*85*93	215*85*93	251*85*93	165*85*93	185*85*93	215*85*93	251*85*93	311*85*93
O3 tube weight	kg	0.55	0.65	0.8	1.0	0.55	0.65	0.8	1.0	1.3
Power supply size	mm	160*63*45				210*86*66				180*80*66
Power supply weight	kg	0.55				0.75				

Ozone Generator Kits

This series of ozone generator kits utilize high frequency power supply system which made by our independent R&D, It is working stable and high efficiency, low decay, low electric consumption than other suppliers; We introduce international micro-gap discharge technology, quartz glass tubes honeycomb discharge.

Product Features

- Water cooling system produces high concentrations of ozone
- Stainless steel 316L electrode; Dehydroxylation quartz glasses structure dielectric
- Adjustable output Standard ; Advance IGBT power module



Product Specifications

Item	Unit	Ozone Tube and Power Supply				
Model	/	FG-SP-1(20G)	FG-SP-1(30G)	FG-SP-1(50G)	FG-SP-1(100G)	FG-SP-1(200G)
O2 flow rate	L/MIN	5	8	10	20	40
O3 Concentration	Mg/L	88.49	89.90	92.13	85.78	89.41
O3 output	g/h	26.5	43.1	55	103.2	214.5
Power	w(±5%)	190	292	480	1010	2015
O3 Adjustable	%	20-100%				
Input power	/	AC220V 50Hz/60Hz				
Cooling method	/	water cooling				
Fitting size for air & O3	mm	Φ25				
O3 tube size	mm	575*150*150		675*150*150	960*177*177	1040*280*280
O3 tube weight	kg	6.55		8.35	16.8	37.45
Power supply weight	kg	1.0	1.1	1.5	3.1	4.75

Ozone Injection



Ozone water mixing pump is simple and it intakes ozone gas to the pump and mix ozone with liquid in the pump, while conventional system needs additional equipment like "ejector" and "static mixer" to make ozone water. All the flow parts of the pump is made of stainless steel 304 by precise molding technology.

Applications

- Dissolved air floatation treatment
- Ozonated water generator
- Oxygen enriched water generator
- Biochemical aeration device

Model	Pump Head(m)	Water Flow Rate (m3/h)	Water Inlet (inch)	Water Outlet (inch)	Motor Power (KW)	Speed (r/min)
20-QY1	40	1	3/4	1/2	0.55	2900
25-QY2	40	2	1	3/4	1.1	2900
40-QY6	40	6	1.5	1.25	3.0	2900
50-QY12	50	12	2	1.5	5.5	2900



The venturi injector is a gas-water forced mixing. Advantage: low cost, high efficiency, shorter contact time and the dissolved rate can be several times higher than the bubble diffusion method. FG venturi injector is made of tough ozone-resistant PVDF material, with built-in check valve.

Product Features

- No wearing parts
- Durable PVDF construction
- Completely ozone compatible
- Check valve included in injection port
- Quick installation

Model	A12057	A25100	A25152	A32235	A48275	A58295
Piping (inch)	1/4	1/2	3/4	1	1.5	2
Air Inlet (inch)	1/8	1/4	1/4	1/2	1/2	1/2
Input Water Pressure (kg/cm2)	2-3	2-4	2-5	2-5	2-6	2-6
Length (mm)	57mm	100mm	152mm	152mm	275mm	295mm
Water Flow Rate (m3/h)	0.05-0.25	0.2-1	1-3	3-10	10-25	25-50
Water Pump Power(Kw)	—	0.35	0.55	0.75	1.5	2.2

Ozone Injection



Sintered Stainless Steel Diffuser is an excellent choice for transferring ozone gas into water via bubble diffusion.Stainless Steel construction (316L stainless steel food grade) is both safe to use, and provides excellent durability and longevity.

Applications

- Fish farm oxygen supply
- Ozone gas diffusion
- Municipal water treatment contact tank
- Wastewater treatment

Model	Outer Diameter (mm)	Service Area (m2)	Material	Inlet Diameter (inch)	Oxygen Utilization	Aeration Aperture (microns)
DN-125(flat)	125	0.15	Titanium and Stainless Steel	1/2	20%-30%	4-10
DN-180(flat)	180	0.35		1/2	20%-30%	4-10
DN-235(flat)	235	0.5		1/2	20%-30%	4-10
DN-100(round)	100	0.15	Titanium	1/2	20%-30%	4-10
DN-150(round)	150	0.35		1/2	20%-30%	4-10
DN-180(round)	180	0.5		1/2	20%-30%	4-10



Static mixer is used for effectively mixing gas with liquid or two liquid after the venturi injector which have below feature:Ultra-fine air bubble 20~30μ, stable performances, easy in maintenance and durable and needs less components.

Product Features

- No wearing parts
- Durable UPVC construction
- Completely ozone compatible

Size	Diameter	Water Flow Rate (m3/h)	Outer Diameter (mm)	Length (mm)
1/2”	20mm (DN15)	0.4-1.0	54	260
3/4”	25mm (DN20)	0.6-1.2	63	323
1”	32mm (DN25)	1.0-3.2	73.5	400
1.25”	40mm (DN32)	1.4-6.0	84.5	515
1.5”	50mm (DN40)	2.2-8.0	98	625
2”	63mm (DN50)	3.5-18	119	760

UV Ozone Analyzer

UV Absorption based ozone analyzers offer a high accuracy ozone measurement over a broader range available with other technologies while improving overall reliability.



FGUVOZ-1200



FGUVOZ-3300C

Product Specifications

Model	FGUVOZ-1200	FGUVOZ-3300C
Installation	Desktop	Wall Mounted
Dimension	260*300*160mm	330*150*230mm
Test Range	0-300g/Nm3, 0-200g/Nm3, 0-100g/Nm3, 0-50g/Nm3, 0-1000ppm, 0-100ppm	
Ambient Temperature	-20~50°C	
Display Resolution	0.01g/m3; 0.01ppm	
Display Unit	g/Nm3, mg/NL, %WT, ppm, mg/Nm3 (optional)	
Sampling Method	active pressure sampling, pumping sampling(optional)	
Content Interface	ozone concentration rate, temperature, pressure, gas flow and ozone output	
Auxiliary Function	temperature & pressure compensation	
Display Interface	4.3 inch touch screen operation interface	
Sampling Flow	0.5L±0.2L/min	
Input Pressure	<0.1MPa	
Concentration Error	< 0.5%FS	
Line Deviation	< 0.2%FS	
Zero Drifting	<±0.3%.FS	
Response Time	signal 0.03s, display 0.3s	
Communication Mode	RS-485	
Output Mode	4-20mA	
Relay Signal	high alarm, low alarm	
Input Supply	AC 110-220V, 50/60Hz	
Standard configuration	antiseptic flowmeter, gas filter,and ozone tail gas destroyer	

UV Ozone Concentration Analyzer

This ozone analyzer is compact and easy to use. It efficiently measures ozone concentration rate, and we can offer it at a lower price because of its smaller size.



FGUVOZ-200



FG-ZH180

Product Specifications

Model	FGUVOZ-200
Installation	Wall Mounted
Dimension	160*60*120mm
Test Range	0-200g/Nm3; 0-300g/Nm3, 0-100g/Nm3, 0-50g/Nm3 (optional)
Ambient Temperature	-20~50°C
Display Resolution	0.01g/m3
Display Unit	g/Nm3 , mg/NL (optional)
Sampling Method	active pressure sampling
Content Interface	ozone concentration rate, temperature, pressure, gas flow
Auxiliary Function	temperature & pressure compensation
Display Interface	4.3 inch touch screen operation interface
Sampling Flow	0.5L±0.2L/min
Input Pressure	<0.1MPa
Input Supply	24V DC
Line Deviation	< 0.5%FS
Zero Drifting	<±0.3%.FS
Response Time	≤1S
Communication Mode	RS-485
Output Mode	4-20mA

Model	FG-ZH180
Detection Range	0-200g/Nm3; 0-100g/Nm3; 0-50g/Nm3
Measurement method	UV LED absorption method
Ozone Concentration Unit	mg/L or g/Nm3
Resolution	0.01 mg/L
Precision	0.5%
Input gas flow	0.3L-0.8 L/min
Input pressure	<0.1Mpa
Zero Drifting	<±0.4%. FS
Power supply	24V DC
Response Time	< 1second
Gas Input and Output Diameter	Φ6 (6mm*4mm)
Dimension	150*75*210mm
Installation Hole Size	152*76mm
Net Weight	3kgs
Linear error	Maximum 0.5% FS
Communication mode	RS485
Output Signal	4-20mA (double way alarm of low and high concentration)
Remarks	1mg/L=1g/Nm3=467PPM

Ambient UV Ozone Analyzer

Ambient UV Ozone Analyzer that measures ozone from 0.1 to 1000ppm. It is for general purpose measurement of ozone in a container or ozone piping. The equipment adopts the advanced dual UV light source system (wavelength 253.7nm), with the intelligent management system of the lamp tube and separated photocell technology.





Product Specifications

Model	FGUVOZ-3000
Installation	Rack-Mounted
Dimension	482*300*133mm
Test Range	0-200g/Nm3; 0-300g/Nm3; 0-100ppm; 0-500ppm; 0-1000ppm
Display Resolution	0.01g/m3 or 0.01ppm (Remark:1mg/L=1g/m3=467ppm)
Display Unit	g/Nm3 ; ppm (optional)
Sampling Method	active pressure sampling, pumping sampling(optional)
Content Interface	ozone concentration rate, temperature, pressure, gas flow
Auxiliary Function	temperature & pressure compensation
Display Interface	4.3 inch touch screen operation interface
Sampling Flow	0.5L±0.2L/min
Input Pressure	<0.1MPa
Concentration Error	< 0.3%FS
Line Deviation	< 0.2%FS
Zero Drifting	<±0.3%.FS
Response Time	signal 0.03s, display 0.3s
Communication Mode	RS-485
Output Mode	4-20mA
Ambient Temperature	-20~50°C
Relay Signa	high alarm, low alarm
Input Supply	AC 110-220V, 50/60Hz
Standard configuration (built-in)	antiseptic flowmeter, gas filter,and ozone tail gas destroyer

UV Dissolved Ozone Analyzer

The UV dissolved ozone analyzer will measure dissolved ozone in water from 0-200 ppm. This monitor has an automatic adjustment system function with a UV light source, which measure dissolved ozone in water with high precision and accuracy.



Product Specifications

Model	FGUVOZ-180W
Installation	200*150*80mm
Test Range	0-50ppm; 0-100ppm; 0-200ppm
Display Resolution	0.01g/m3 or 0.01ppm
Display Unit	g/Nm3 ; ppm (optional)
Sampling Method	positive pressure sampling, pumping sampling(optional)
Content Interface	dissolved ozone concentration rate
Display Interface	4.3 inch touch screen operation interface
Interface method	Ferrule (PTFE) with optional 1/4 PFA interface
Sampling Flow	200-300mL/min
Input Pressure	<0.1MPa
Concentration Error	< 0.3%FS
Line Deviation	< 0.2%FS
Zero Drifting	<±0.3%.FS
Communication Mode	RS-485
Output Mode	4-20mA
Environmental temperature	0~50°C
Relay Signal	high alarm, low alarm
Power supply	24VDC
Weight	3KG

Online Dissolved Ozone Meter

The online dissolved ozone meter is designed to analyze and control the dissolved ozone value and the temperature continuously and accurately. The device is equipped with a robust and reliable electrode that is capable of detecting even small traces of ozone in the water.



FG-MCTDOZ1100



FG-MCTDOZ1500

Product Specifications

Model		FG-MCTDOZ1100	FG-MCTDOZ1500
Dissolved Ozone	Measuring range	0.000 -2.000 mg/L or 0.00-20.00 mg/L	
	Resolution	0.001 mg/L or 0.01mg/L	
	Measuring Accuracy	1%±1 LSD	
Standard configuration		Circulation trough,ozone electrode	
Temperature	Measuring range	–10.0～110.0 °C	
	Resolution	0.1°C	
	Measuring Accuracy	±0.3°C	
	Temperature input	22KΩ / PT1000	
	Temperature compensation	automatic	
Signal output	Output range	4~20 mA (adjustable)	
	Current accuracy	1%F.S.	
	Output loading	<500 Ω	
Data interface	RS485	RS485 Modbus protocol	
On off control	Control method	2 SPST relay	
Other parameters	Load capacity	2.5A 230 VAC	
	Cleaning/alarm relay	optional	
	Working power supply	85~260VAC or 12~36VDC	
	Working temperature	0~60°C	
	Working humidity	< 90%	
	Levels of protection	IP65	
	Method of installation	Panel mounting	Wall-mounting
	Outline dimension	108*108*128 mm	158*188*108 mm
	Cut size	92.5*92.5 mm	/
	Weight	0.6kg	0.7kg

Portable Dissolved Ozone Tester

Revolutionary way to instantly get dissolved ozone value by using tri-electroded method measuring: faster and accurate, matching up to DPD results, without any reagent consuming.



Model	TOZ30
Measuring range	0 -10.00 mg/L (PPM)
Accuracy	±1% F.S.
Working Temperature	0.0 - 60.0°C / 32 - 140°F
Calibration Point	2 points (zero, any point)
Lock Function	manual / auto
Battery	1*1.5V AAA7
Size/Weight	164*37*40mm / 0.1kg
Auto Power Off	6 minutes without key be pressed
Protection	IP67

Dissolved ozone meter is designed for accurately and quickly measuring ozone in water levels from 0 - 2.50 ppm. This device uses the DPD Method for testing.



Model	FG-DO1
Measuring range	0 -2.50 mg/L (PPM)
Accuracy	±0.05mg/l (conc.<0.50mg/l); ±5% (conc.≥0.50mg/l)
Wavelength	520-525nm
Test method	DPD method
Working condition	0-40ºC , Rh:0-90%
Ozone reagent	1 packet (100 times)
Size/Weight	128*70*48mm / 0.18kg

Handheld Ozone Gas Detector



Portable ozone detector can make continuous detection. With internal sampling pump, fast sampling speed and high flow rate, ensuring the response time of the detector.

Product Specifications

Model	FG-SKY2000
Gas Detected	Ozone
Install Method	Pumping suction
Detection Principle	Electrochemical
Measure range	0-1ppm, 0-10ppm, 0-20ppm, 0-50ppm, 0-100ppm,0-200ppm, 0-500ppm, 0-1000ppm
Resolution	0.001ppm, 0.01ppm, 0.1ppm, 1ppm
Precision	≤±1-5% F.S
Response Time	≤10S
Repeatability	≤±1%
Gas unit	ppm, mg/m3
Zero shift	≤±1%(F.S/year)
Data logging (Optional function)	100000 readings can be stored on device and download through PC software
Explosion-Proof	ExiaⅡCT4
Alarm mode	Sound, light, vibration
Recovery Time	≤10S
Linearity error	≤± 1%
Display	LCD dot matrix display
Temperature	-20°C ~ 50°C
Humidity	0-90%RH
Degree of protection	IP66
Operating time	30hr (pump off)
Dimensions	205*75*32mm
Weight	300g

Fix Ozone Gas Detector



The fixed ozone detector uses an online monitoring with sound/light alarm gas sensor, which can translate the ozone concentration in the air to the digital signal output.

Product Specifications

Model	FG-YT-95H-A
Gas Detected	Ozone
Install Method	Fixed-mounted
Detection Principle	Electrochemical
Measure range	0-1ppm, 0-10ppm, 0-20ppm, 0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm
Resolution	0.001ppm, 0.01ppm, 0.1ppm, 1ppm
Precision	2%FS
Response Time	10-30s
Repeatability	≤±1%
Signal output	4-20MA; 0-5V RS485; RS232; Relay (optional)
Gas unit	ppm, mg/m3
Zero shift	≤±1%(F.S/year)
Connection mode	G1/2 external thread explosion-proof flexible pipe
Thread Size	M45*2mm
Explosion-Proof	Ex d IIC T6 Gb
Alarm mode	Sound, light, vibration
Display	4 digits Nixie tube display
Temperature	-20°C~50°C
Humidity	0-95%RH
Material Case	Die-cast aluminum, Sensor housing: aluminum alloy or 316 stainless steel
Power	12-36V DC
Dimensions	180*150*90mm
Weight	≤1.6kg

Oxygen Purity Meter

The portable oxygen purity meter is measure oxygen purity from 21-96%. Perfect for verifying oxygen purity from your oxygen generator.



Model	FG-OA
Concentration Indication Range	21.0 %~96.0 %
Measurement Accuracy	+/-2% F.S
Operating Ambient Temperature	5°C~55°C
Operating Ambient Humidity	5~85%RH
Response Time	8 seconds
Dimension	185*80*31mm
Battery Model	DC9V
Max. Pressure	21Psi (1.4Bar)
Max. Flow	10L/min

Online oxygen purity analyzer measures oxygen purity from 20.5-99.9% at flows up to 3 L/Min. Perfect for verifying oxygen purity from your oxygen generator real-time.



Model	FG-100-O2
Concentration Indication Range	20.5 % ~99.9 %
Measurement Principle	Ultrasonic
Measurement Accuracy	<± 1% FS
Analog output	4-20mA
Operating Ambient Humidity	5~80%RH
Response Time	T90 ≤ 30 Seconds
Dimension	150*75*120mm
Weight	2.0KG
Power Supply	110-220VAC
Max. Pressure	14Psi (1Bar)
Input Flow Rate	0.2L-3.0L/min

ORP Controller

The ORP Controller provide a wide variety of options to adapt to your application requirements! It provides reliable monitoring for Oxidation- Reduction Potential (ORP) applications.





Product Specifications

Model	FG-MCTPH100
PH measuring range	-2~16 pH
PH resolving power	0.01 PH
PH measurement accuracy	± 0.02 pH
PH Input impedance	≥1012 Ω
ORP measuring range	± 2000mV
ORP resolving power	1mV
ORP measurement accuracy	± 2mV
Temperature range	10.0~110.0°C
Temperature input	22K Ω/PT1000
Temperature compensation	Auto/Manual
Output range	4~20mA(adjustable)
Communication protocol	RS-485
Switch control method	2 SPST relays
Switch load capacity	2.5A 230 VAC
Input power supply	85~260VAC
Working temperature	0~60 °C
Protection level	IP65
Dimensions	96*96*128mm
Humidity	0-90%RH
Degree of protection	IP66
Installation Size	92.5*92.5 mm
Weight	0.65Kg

Model	FG-ORP206
Measuring range	-1999mV~1999mV
Accuracy	± 5 mV
Resolution	1mV
Calibration	Double-point
Set Range	-500~500mV
Control output power	<2000w
Display	4 LED display
Working Temperature	0~50°C
Working Humidity	RH ≤95%
Power Supply	220V±10% / 50Hz ±2%
Dimensions	150*85*40mm
Weight	580g

Accessories



Ozone Tubing

Silicon/Teflon Tubing for ozone gas delivery. Teflon tubing is completely ozone resistant, can handle high temperatures, and is flexible. This is simply the best tubing available to use when plumbing ozone gas.



Backflow Preventer

The back flow preventer is designed to keep your Ozone Generator safe, by taking the water that backs up from you venturi and actively trapping and draining the water. It comes with a bracket that allows you to easily add to your Ozone System.



Ozone Air Vent

Air Vent is an all stainless steel designed air vent for ozone applications. It uses only stainless steel parts for construction.



Heated Ozone Destructor

Heated ozone destruct device is protected by double stainless steel. The initial investment and operating costs are lower than those of the activated carbon catalytic type. It will safely catalyze ozone to oxygen reliably with no consumables.

Accessories



Refrigerated Air Dryer

Refrigerated air dryer is designed for ozone generator gas feeding system, which is used for high humidity working environment. It has negative pressure patent design, air filter, refrigerant R134a, Hitachi compressor and temperature controller etc.



Water Chiller

This series thermolysis type recirculating water chiller is able to cool industrial ozone generator tube, It is a industrial water cooling system, with intelligent temperature control, completed configuration, perfect protection and alarm system.



Pool Ozone Reaction Tank

Ozone reaction tank is made of anti-corrosion polymer fiberglass material, it has superior corrosion and oxidation resistance. It makes the ozone and water fully mixed. It is the best supporting equipment for ozone sterilization in swimming pools.



Ozone Mixing Tank

Ozone water mixing tank gives the proper contact time required. At the same time, it provides a more even mixture of ozone and water. It is used together with gas water mixing pump .

Ozone Knowledge

Ozone, as a strong oxidation agent, disinfectant, refining agent and catalytic agent, has been widely used in the industries of petroleum, textile chemicals, food, pharmaceutical, perfume, environment protection. Ozone was first used in water treatment in 1905, so lving the drinking water quality problem.

At present, in Japan, America and most of the European countries, ozone technology has been widely used in medical devices and tableware disinfection. As a strong oxidation agent, ozone is having more and more application in textile, printing, dyeing, paper making, odor removal, decoloration, aging treatment and bioengineering. The main feature of ozone is its gas status (compose of three oxygen atom) and strong oxidability. The oxidability is slightly lower than fluorine, but much higher than chlorine, having high oxidation efficiency and no harmful byproduct. Hence, it has extensive application in different industries.

Ozone has a lot of functions, and they are mainly as follows

Disinfection: Eliminate virus and bacteria in the air and water quickly and completely. According to the test report, more than 99%of the bacteria and virus in water will be eliminated in ten to twenty minutes when there is 0.05ppm residual ozone concentration. Hence, ozone can be used in tap water, waste water, swimming pool water, and drinking water disinfection; Food storage room disinfection; Hospital, school, kindergarten, office, food processing factory, pharmaceutical factory air purification; surface disinfection, hospital and domestic waste water disinfection. Detoxification: with the development of industry and commerce, there is a lot of harmful substance around us, for example: carbon monoxide (CO), pesticide, heavy metal, chemical fertilizer, organism, and odor. They will be decomposed into harmless substance after treated by ozone.

Food storage: in Japan, America and European countries, the application of using ozone for food storage to prevent food from rot and extend the storage period, have been quite common.

Color removal: ozone is a strong oxidation agent, so it can be used for textile, food and waste water color removal. Odor removal: ozone is a strong oxidation agent, and it can quickly eliminate odor from the air or water completely. So it can be used in waste, sewage, farming odor treatment, etc.



Odor Removal: ozone is powerful oxidation gas, and it can quickly eliminate odor from the air or water completely. It can be used for waste, sewage, farming odor treatment, etc.

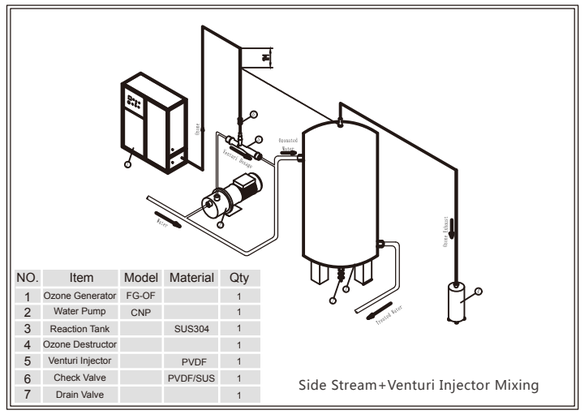
Ozone Application

Water Processing

Ozone has been widely used in drinking water disinfection treatment.Pure water, spring water, mineral water, groundwater after filtered will be disinfected by ozone.

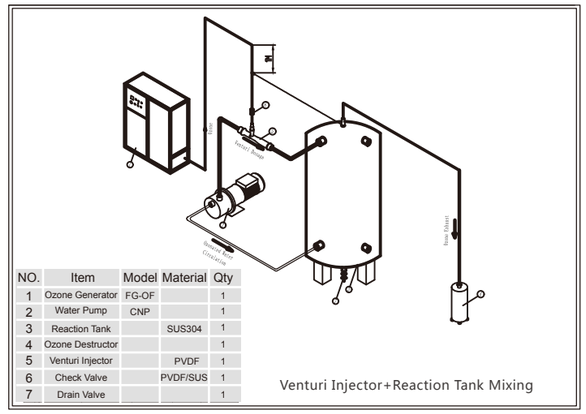
Please Refer to The Following Data

Water Quality Classification	Dual Water Supply	Purified Water	Natural Water	Running Water	Swimming Pool
Ozone dissolved concentration	0.1-0.3mg/L	0.2-0.4mg/L	0.4-0.6mg/L	0.4mg/L	0.2mg/L
Ozone dosage	1-2g/T	2-3g/T	3-5g/T	2-3g/T	1-2g/T



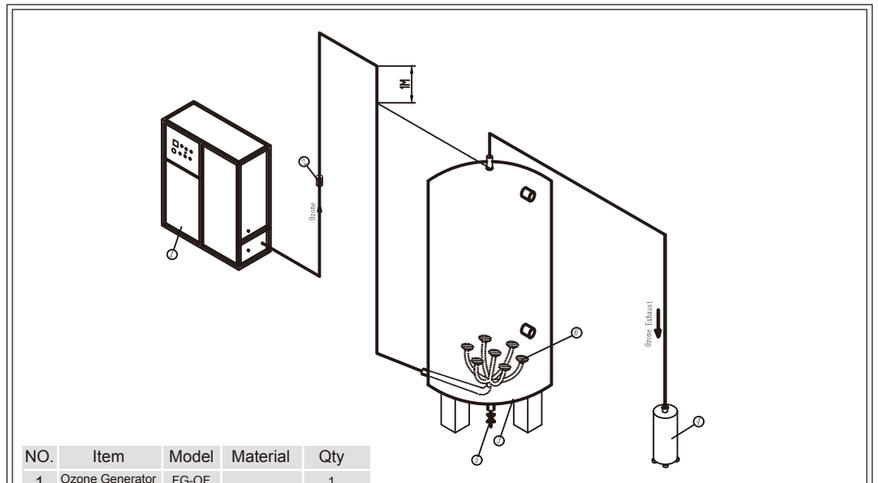
NO.	Item	Model	Material	Qty
1	Ozone Generator	FG-OF		1
2	Water Pump	CNP		1
3	Reaction Tank		SUS304	1
4	Ozone Destructor			1
5	Venturi Injector		PVDF	1
6	Check Valve		PVDF/SUS	1
7	Drain Valve			1

Side Stream+Venturi Injector Mixing



NO.	Item	Model	Material	Qty
1	Ozone Generator	FG-OF		1
2	Water Pump	CNP		1
3	Reaction Tank		SUS304	1
4	Ozone Destructor			1
5	Venturi Injector		PVDF	1
6	Check Valve		PVDF/SUS	1
7	Drain Valve			1

Venturi Injector+Reaction Tank Mixing



NO.	Item	Model	Material	Qty
1	Ozone Generator	FG-OF		1
2	Check Valve		PVDF/SUS	1
3	Reaction Tank		SUS304	1
4	Ozone Destructor			1
5	Drain Valve			1
6	Aeration Diffuser			1

Gas-Water Mixing by Diffuser

Ozone Application

Swimming Pool Disinfection

Because of its strong oxidation and disinfection mechanism, ozone is very suitable for swimming pool water treatment. Experimental result shows, ozone is 600 to 3000 times faster to treat water than chlorine. Ozone is also recognized as “green disinfectant” , since it does not cause undesired byproduct. However, chlorine reacts with organic waste and forms a large number of highly toxic chloro-organic compounds, also referred to as "combined chlorine” . These are well known carcinogens, and are also very poisonous to marine life. In swimming pools they accumulate in very high concentrations. Red eyes and rashes are the most instant and obvious effects, and should be considered signals of a much more serious risk to human health.

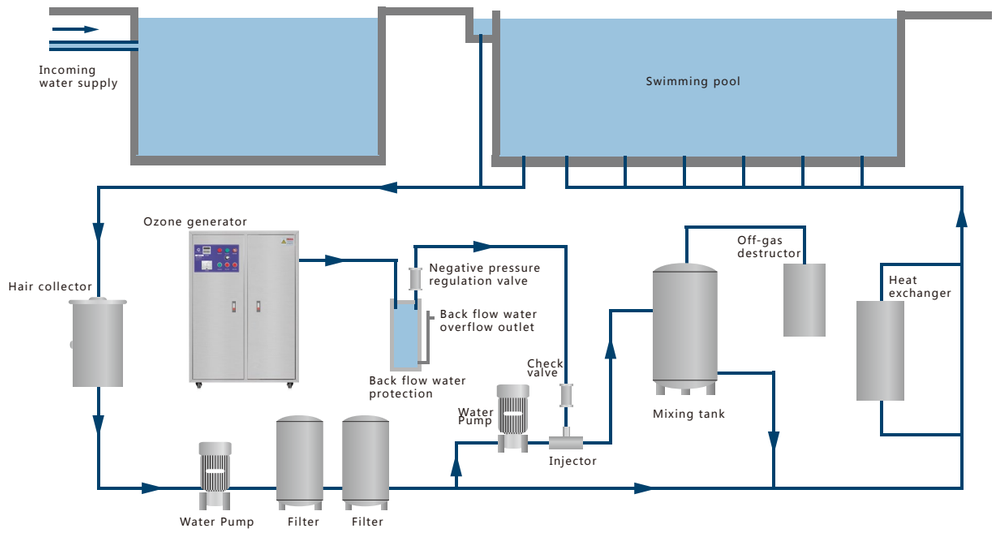
There are many advantages of using ozone in swimming pool. Ozone assists flocculation of organic waste materials, thus enhancing the effectiveness of sand filters. Ozone directly decomposes organic waste, oxidizes Fe, Mn ions which makes the water clean and presents the appealing blue.

Ozone is an effective disinfectant killing bacteria, viruses, spores, mold and algae, leaving no toxic residues in the treated water.

Ozone Technology

According to the technical rules for swimming pool disinfection (0.5-1.0mg/l), pool disinfection process is divided into full process mode and half process mode, both of them can be chosen according to the actual design requirements of disinfection. Generally speaking, ozone will be dosed into water by negative pressure way and then mixed with water by special mixer to reach the disinfection requirements by final reaction tank and ancillary facilities.

System Schematic Diagram



Aquaculture

With the development of aquaculture, the disease caused by the pathogenic microorganism happen occasionally, which does harm to the aquaculture industry. Except for enhancing the management of the facilities, it has been an important subject to eliminate the pathogenic microorganism in the feeding water and instruments. Ozone, as it is strong oxidant, disinfectant and catalyst has been widely used not only in the industry, but also in water disinfection, water quality improvement and preventing the pathogenic microorganism in aquaculture and red tide. The pathogenic microorganism can be prevented by using ozone system to disinfect aquaculture water and facilities. As ozone has high efficiency in disinfection, water purification and do not cause undesired by-product, it is the ideal disinfectant for aquaculture. The investment of using ozone system in aquaculture breeding is not high, and it saves various disinfectants, antibiotics, decreases exchanged water, increases the breeding survival rate to at least two times, produces the green & organic food. Hence, it is quite economic. At present, using ozone in aquaculture is quite comm on in Japan, America and European countries, since it is forbidden to use the chloride in aquaculture.

Ozone Disinfection in Freshwater Aquaculture

Treatment Groove — Aeration Tank — Feeding Groove

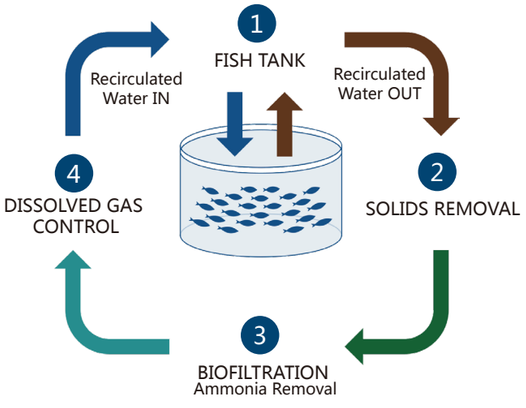
Process: in the ozone processing stage, the dissolved ozone concentration is 0.1-0.3mg/L with 5-10 minutes processing time. Then it goes to the natural de-ozonation (lower the residual dissolved ozone concentration in the water). Finally, the breeding water can be used with the residual dissolved ozone concentration to be lower than 0.003mg/L.

Ozone Disinfection in Seawater Aquaculture

Treatment Groove — Activated Carbon Groove — Feeding Groove

Process: in the ozone processing stage, the dissolved ozone concentration is 0.1-0.5mg/L with 5-10 minutes processing time. Then it goes to the activated carbon processing. Finally, the breeding water can be used with the residual dissolved ozone concentration to be lower than 0.003mg/L.





Ozone Application

GMP Workshop Air Disinfection

According to the different levels of GMP workshop, select the appropriate model accordingly		
Workshop Purification Class	Maximum Allowable Bacteria/m3	Applicable Occasion
Class 300,000.00	1000	Pills and particle package workshop
Class 100,000.00	500	Injection preparation workshop
Class 10,000.00	100	Small volume injection filling workshop & the final processing of the pack age material with direct contact to medicine
Class 100.00	5	Large volume injection filling room

GMP Workshop or Food Purification Level Selection

Type	Ozone Concentration(PPM)	M3/Hr(mg/h)
Home/Office	1-2	2.5-5
Public Place	6-10	5-10
Cold Storage Class 300,000.00	6-10	5-10
Food/Pharmaceutical Workshop Class 100,000.00	15-20	10-20
Medical Aseptic Ward Class 10,000.00	30-40	30-50
Food and Medicine Laboratory Class 100.00	60-80	40-60

FG-W Series Model Selection

Model \ Class	Class 300,000.00	Class 100,000.00	Class 10,000.00	Class 100.00
FG-W-3g	80-120m³	50-70m³	20-35m³	6-12m³
FG-W-5g	120-250m³	100-175m³	40-60m³	15-30m³
FG-W-10g	180-350m³	120-250m³	40-90m³	18-45m³

FG-AF Series Model Selection

Model \ Class	Class 300,000.00	Class 100,000.00	Class 10,000.00	Class 100.00
FG-AF-15g	400-750m³	200-370m³	80-190m³	60-100m³
FG-AF-20g	600-1000m³	300-500m³	130-250m³	80-150m³
FG-AF-30g	700-1250m³	400-625m³	160-310m³	100-155m³
FG-AF-40g	900-1600m³	500-800m³	250-400m³	150-200m³
FG-AF-50g	1500-2500m³	800-1250m³	300-625m³	200-310m³

Ozone Application

Air Disinfection Concentration for Difference Applications (1ppm=2.14mg/m3)

The formula of ozone capacity measurement

W=(C x V) / S
W -Total amount of ozone , g/h,
V-Total volume , m³,
S-Ozone decay rate , S=0.42
C-The ozone concentration in workshop disinfection , mg/m³
According to "Disinfection Technical Specification" and application experience, Class 300,000.00=5mg/m³;
Class 100,000.00=10mg/m³; Class 10,000.00=30mg/m³; Class 100.00=40mg/m³

Reference

Application	Type	Ozone concentration (PPM)	Ozone per m3 per hour(mg/h)
Disinfection	Medical application	20	50-100
	Cold storage	6-10	15-25
	Food factory	1.0-1.5	2.5-3.5
	Sickroom,operation room	2.5-5	5.5-15
	Work clothes disinfection	10-20	25-50
Anti-mildew & Fresh-keeping	General occasion	1-2	2.5-5
	Eggs	2-2.5	5-5.5
	Banana	2.5-3.5	5.5-8
	Apple	2.0	5
	Vegetables of less chlorophyll	1-1.5	2.5-3.5
	Fish,cheese	0.5-1	1.5-2.5
Deodorization	Mortuary	3	7
	Fish processing factories	3	7
	Slaughter factories	2-3	5-7
	Fatty acid plant	10	25
	Rubber plant	3-10	7-25
	Waste disposal	10	25
	Sewage treatment	1-2	2.5-5