

Aqozone[®]

INDUSTRIES

Go GREEN Go Ozone-UV
AIR | WATER | SENSORS | DRYERS

OZONE GENERATOR CATALOGUE 2023



Oxygen
concentrator



Ozone
& UV



Ozone



PUMP



UV Air
purifier



Sensors

#78 1st main, petechannappa industrial area,
Kamakshipalya, Bangalore-560079

ABOUT US

AQOZONE INDUSTRIES, specializes in Ozone systems, integration of automated turnkey systems for most applications involving water and air purification. We supply ozone systems, ozone generators, and ozone-related accessories along with providing service, repair, and maintenance services

We are a team of engineers, designers, and technicians who work together to design, test, and produce high-quality, reliable, and efficient equipment that meets your specific needs and requirements. We use the latest technologies and materials to create innovative products that are energy-efficient, eco-friendly, and easy to use and maintain.

Our Product and solutions range

- Ozone Generators
- UV Disinfection
- RO Plants,
- Nano Bubble & Micro Bubble Pumps,
- Air Source Heat Pumps and Dryers,
- Drum Filters
- Sensors
- Automation and IOT

Applications



- Drinking water
- Pharma Pure water
- Laboratory and Biotech
- Sewage treatment
- Swimming pool
- Aquaculture
- Hydroponics
- Cooling tower
- Live stock

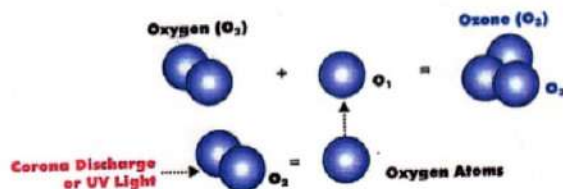


- STP exhaust
- ETP exhaust
- Hatcheries
- Cold storage
- Poultry
- Food processing
- Air Deodorization

INTRODUCTION

- **AQOZONE DeBru** ozone generators have the advantages of high efficiency, energy saving, stability and reliability, simple operation, etc. Through optimized mechanical design and advanced high-frequency power supply, it can effectively reduce harmonic pollution, reduce energy consumption, and increase ozone concentration. The structure of ozone generator is compact, strong, and durable.

Molecular Structure of how OZONE is formed



- Ozone (O_3) is a highly reactive gas composed of three oxygen atoms. It is both natural and a man-made product that occurs in the Earth's upper atmosphere (the stratosphere) and lower atmosphere (the troposphere).



OZONE TUBE

- Electrode can be cooled either by WATER or by the AIR.
- To protect the electrode **pressure switch** for water and **thermostat** for AIR are used.



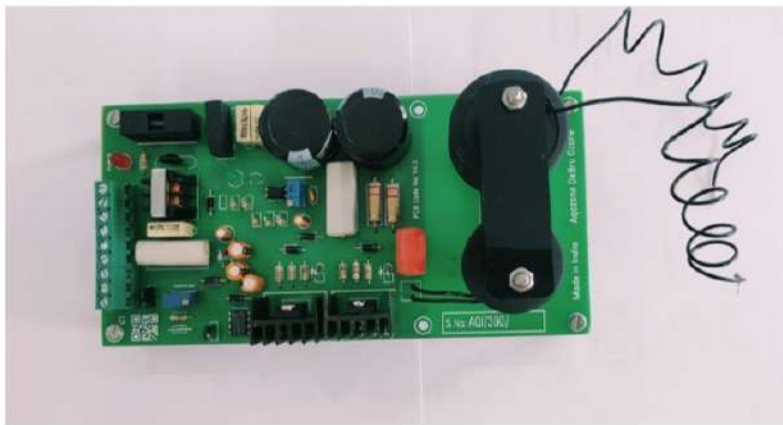
Barrier Corona discharge Ozone Chamber

- Ozone chamber and pipes are made of SS304 material
- High concentration ozone production with advanced dielectric media technology which closed with SS316.
- Dielectric tubes are made of small quartz tubes
- The micro-gaps barrier corona discharge technology



PCB System

- NO heat liberation transformer (AIR cooled).
- IGBT (Insulated gate bipolar transistor) control ferret core high frequency ozone inverter board.
- Single board PCB easy to service.



High Frequency Inverter

- High frequency, low power consumption
- Frequency Range 4KHz - 30KHz
- Power Range 300VA - 1000VA
- Multi protection functions: Audible and visible alarm system for overvoltage, overcurrent, overload etc

Venturi and non return valve

- Used for better Mixing of Ozone gas & Water
- Size 1", 1.5", 2" PVC & SS316 material used
- NRV with 4X6 mm or 6X8 mm pipe fittings
- Flat type with spring loaded NRV used to hold pressure upto 5 bar



Cooling water System

- Integrated chiller
- Only ozone cells cooling purpose
- Maintain 15° -20° C
- EMERSON ~Compressor
- Efficiency
- Copper Condensoe unit
- Built in SS Storage tank



Oxygen generator



- 5lpm/10lpm
- produces 92% pure Oxygen
- Uses PSA (pressure swing adsorption) Technology
- Has inbuilt Flow meter
- Zeolite molecular sieve used
- long life HEPA filter
- Easily movable
- Pressure upto 1 bar

OPTIONAL

Sensors



- All water requirements sensors
PH, TDS, DO, COD, BOD etc
- Built in Analog output 4-20mA
- Built in 2-relays
- Optional outputs
RS485, RS232, CAN etc



ORP Sensor and controller



- Built in Analog output 4-20mA
- Built in 2-relays
- Optional outputs
RS485,RS232,CAN etc
- Range -2000 to +2000.

Automation panel

- Complete customized automation
- PLC & HMI based Automation
- Relay based Automation
- With Industrial standard outputs.



Ambient ozone analyzer

- 0 to 5ppm
- Resolution 0.01 ppm
- IP 55 housing/ABS plastic
- Sensor electro chemical type
- Display 3.5 Digit LED
- 4 to 20 ma Recorder output
- Alarm & buzzer
- 2-relay output



Vent Ozone destructor



- Un reacted ozone gas is destructed to oxygen by passing through heating coil
- Temperature controlled through Thermostat
- SS Isolated inlet outlet.
- Air compressor will sucks the un reacted ozone gas.

Small Ozone System



Application Range

- Space disinfection for Pharmaceutical factory, hospital, electronic plant, food processing and chemical purification workshop.
- Sterilization for public places.

Sl no	Model	O3 in g	Size	Current in Amps	Cooling type	Number of electrodes	Timer	ORP	Ambient O3 analyzer	Pressure switch	Float	O2 lpm (0.5 to 1bar pressure)
1	DeBru 10WC	10	250*500*230	3	air	1	✓	x	x	x	x	2
2	DeBru 20-30WC	30	500*500*230	6	OD	1	✓	optional	✓	✓	optional	3
3	DeBru 50WC	50	750*750*230	7	OD	2	✓	optional	✓	✓	optional	6

Medium Ozone System

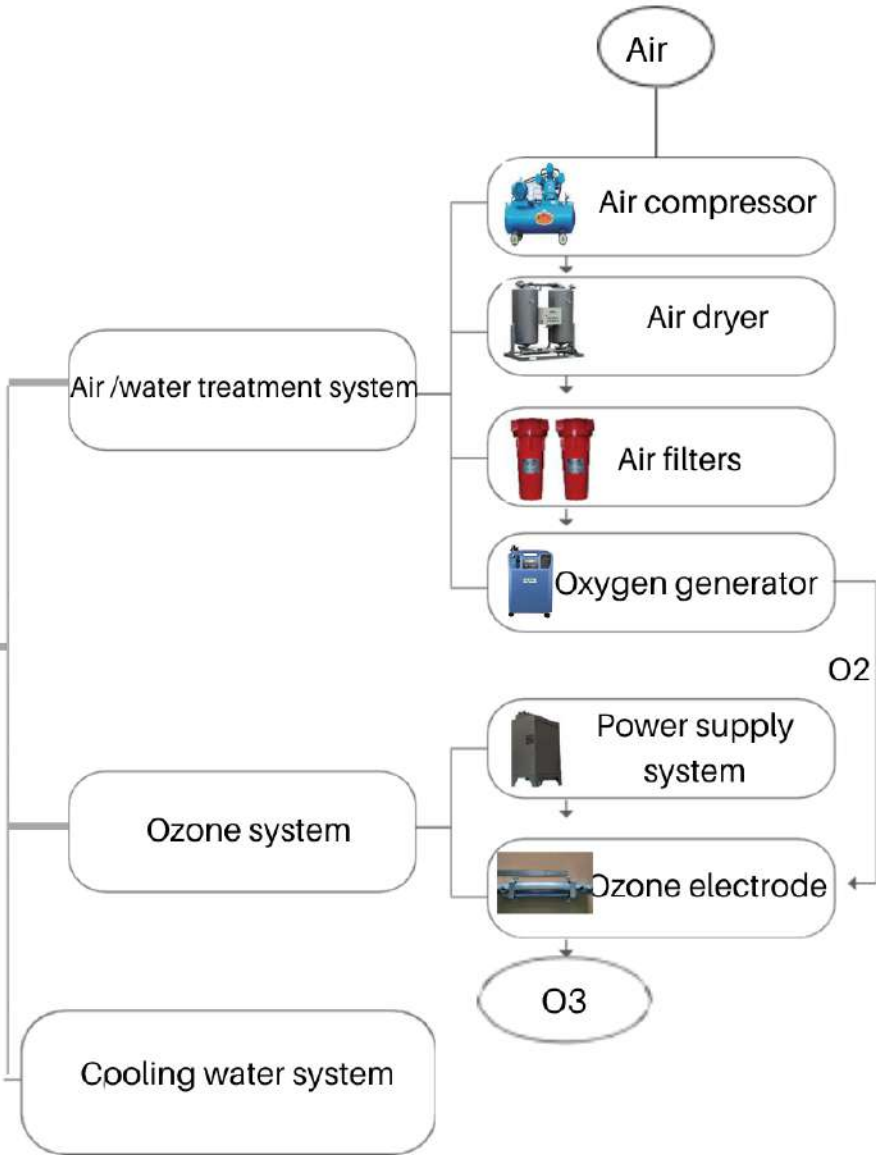


Application Range

- Space disinfection and sterilization for Pharmaceutical factory and cosmetic workshop, no residual pollution.
- Disinfection and sterilization for drinking water .
- Sterilization and algae removal for swimming pool and aquarium

Sl no	Model	O3 in g	Size	Current in Amps	Cooling type	Number of electrodes	Timer	ORP	Ambient O3 analyzer	Pressure switch	Float	O2 lpm (0.5 to 1bar pressure)
1	DeBru 50-60WC	60	700*500*230	12	OD	2	✓	✓	✓	✓	optional	10
2	DeBru 80-90WC	90	950*500*230	18	OD	3	✓	✓	✓	✓	optional	14
3	DeBru 105-120WC	120	700*600*400	24	OD	4	✓	✓	✓	✓	optional	20
4	DeBru 135-150WC	150	700*750*400	30	OD	5	✓	✓	✓	✓	optional	24
5	DeBru 135-150WC	180	1000*750*400	36	OD	6	✓	✓	✓	✓	✓	30
6	DeBru 180-200WC	210	1000*750*400	40	OD	7	✓	✓	✓	✓	✓	34
7	DeBru 2300-240WC	240	1000*1000*400	46	OD	8	✓	✓	✓	✓	✓	38
8	DeBru 270WC	270	1000*1000*400	52	OD	9	✓	✓	✓	✓	✓	42
9	DeBru 300WC	300	1000*1000*400	58	OD	10	✓	✓	✓	✓	✓	48

Ozone Assembly system



OUR CUSTOMERS



- Bhabha Atomic Research Centre (BARC)

- Bharath agrovvet poultry farms



- SOBHA limited



- Himalaya wellness company



- Meyer organics Pvt Ltd



- Biocon biologics limited



- Strides pharma science Ltd



- Dr.Reddy's Laboratories



- Jayadeva cardio research center



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