



USHAI TECH

REDEFINING INNOVATION



OZONE GENERATORS

USHAI Ozone Generators produce ozone gas.

Ozone is a strong oxidizing agent and is used for Disinfection, Removing odor, Color, Reduction of BOD & COD etc.

USHAI TECH SERVICES

 Plot No 20/6, D1 Block, MIDC Chinchwad, Pune - 411019, Maharashtra, India



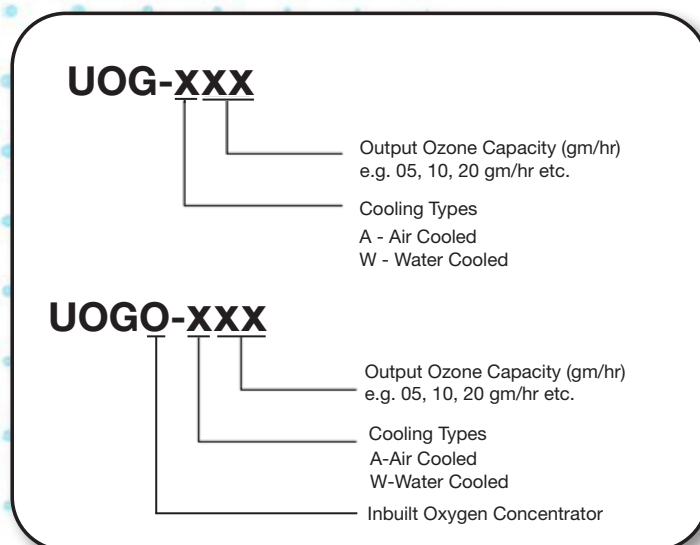
info@ushaitech.com



www.ushaitech.com



- **Application Areas Include:** RO plants, swimming pools, STP, ETP, food processing, industrial odor removal etc.
- **Available in different models of different Output Ozone capacity – UOG-xxx & UOGO-xxx.**



USHAI OZONATOR'S FEATURES

1. High ozone yield.
2. Good electrical efficiency.
3. Rugged & field proven design.
4. Ozone ON Indicator indicates system is normally working.
5. Audible Ozone Fail alarm / buzzer.
6. Stainless Steel Non Return Valve – It prevents back flow of process water into the Electrode.
8. Digital Voltmeter and Ammeter.
9. External snap fit tube connectors for oxygen input and ozone output.
10. Ease of service.

SAFETY FEATURES

1. Electrical Protections - Input High / Low Voltage, Input Over Current (Fuse) and Electrode Failure / Short Circuit Protection
2. External Shut Down provision
3. Ozone Fail Audible Alarm

WHY USHA OZONATION SYSTEM?

1. Fully Automatic.
2. Enhanced Safety Interlocks.
3. Easy Installation and Maintenance.
4. Quality certified with 1 year warranty.
5. 24X7 Operation.



USHAZ OZONATOR FOR RO PLANT

- USHAZ Ozonator for RO Plants available in both Air Cooled as well as Water Cooled types.
- MOC for Panel: SS304
- Model: UOG-Axx & UOG-Wxx

USHAZ OZONATOR FOR STP/ETP PLANT

- USHAZ Ozonator for STP/ETP Plants available in both Air Cooled as well as Water Cooled types.
- MOC for Panel: MS Powder Coated
- Model: UOG-Axx & UOG-Wxx



USHAZ OZONATOR FOR AQUACULTURE APPLICATION

- USHAZ Ozonator for Aquaculture application with ORP meter. It is being used in fish farming where Oxidation Potential meter monitors Ozone level in water. It is available in both Air Cooled as well as Water Cooled types.
- MOC for Panel: MS Powder Coated
- Model: UOG-Axx & UOG-Wxx

USHAI OZONATOR WITH INBUILT OXYGEN CONCENTRATOR

- USHA1 Ozonator with inbuilt oxygen concentrator mainly used for STP/ETP plants as well as Aquaculture application with ORP meter.
- It is available in both Air cooled as well as Water cooled types.
- MOC for Panel: MS Powder Coated
- Model: UOGO-Axx & UOGO-Wxx

3 & 5 GM/HR OZONATOR SYSTEM

- It is a Portable Model available for 03 & 05 gm/hr Ozone output capacity. It is being used in multiple application like Water Treatment Plant, Air Purification, Disinfection etc.
- MOC of Panel: MS Powder Coated
- Model: UOG-A03 & UOG-A05



OXYGEN CONCENTRATOR

- USHA1 Oxygen Concentrator specially designed for Ozone Generator. PSA (Pressure Swing Adsorption) Based Oxygen Generation.
- **FEATURES:-**
 1. Oxygen Purity: 94% \pm 3
 2. PSA (Pressure Swing Adsorption) Based Oxygen Generation.
 3. Inbuilt Air Dryer for Dry Oxygen Generation.
 4. Design for Ozone Generation use only.

TECHNICAL SPECS:-

| | |
|---|-------------------|
| Power Supply | AC 230V/5A, 50Hz |
| O2 Flow Rate | 5.0 LPM, 10.0 LPM |
| O2 Purity | 94% \pm 3 |
| Noise Level | 65 dB |
| Working Temperature | 5° to 40° C |
| Air Humidifier | No |
| Product type | Portable Unit |
| Warranty | 1 Year |
| Use of product is assumed to be 8 hours per Day | |



GENERAL SPECIFICATIONS

AIR COOLED OZONE GENERATORS (UOG-Axx SERIES)

| Model No. | Ozone output (Grams/hour) | Oxygen Flow (LPM) | Input Power Supply (Volts) | Power (Watts) | Dimensions (mm) | Net Weight (Kg) |
|-----------|---------------------------|-------------------|----------------------------|---------------|-----------------|-----------------|
| A-3 / A-5 | 3/5 | 2.0 | 230 V AC, 1Phase 50 Hz | 100 | 530x330x320 | 6 |
| A-10 | 10 | 4.0 | 230 V AC, 1Phase 50 Hz | 200 | 600x400x160 | 9 |
| A-20 | 20 | 8.0 | 230 V AC, 1Phase 50 Hz | 350 | 600x400x160 | 12 |

TECHNICAL SPECIFICATIONS

| Overall | Air Cooled Models (A- Series) |
|---------------------------------|--|
| Ozone Output | 03 grams/Hour to 20 Grams/Hour |
| Technology | Corona Discharge Technology |
| Line voltage | 230 Volts AC 50Hz |
| Operating temperature | 0-40°C |
| Humidity | Up to 90% RH |
| MOC of all ozone contact parts | SS/ Teflon/ Quartz Glass |
| Feed Gas | |
| Feed Gas Used by the Electrodes | Dry, Filtered Oxygen |
| Method of Feed Gas Generation | Pressure Swing Adsorption |
| Overall | Air Cooled Models (A- Series) |
| Oxygen Purity | > 90% |
| Dew Point Deg C | < -40 |
| Electrode | |
| Type of electrode | Air cooled |
| MOC of electrode | SS 304L/316L |
| Dielectric material | Quartz Glass |
| Power Supply | |
| Power Supply Type | IGBT Based High Voltage High Frequency |
| High Frequency Transformer | Forced Air Cooled Ferrite Core |
| Protections | Fuse |
| Power Amplifier | IGBT Technology |

GENERAL SPECIFICATIONS

WATER COOLED OZONE GENERATORS (UOG-Wxx - SERIES)

| Model No. | Ozone output (Grams/hour) | Oxygen Flow (LPM) | Input Power Supply (Volts) | Power (Watts) | Dimensions (mm) | Net Weight (Kg) |
|-----------|---------------------------|-------------------|-----------------------------|---------------|-----------------|-----------------|
| W-25 | 25 | 5 | Single Phase 230 V 50 Hz | 375 | 400x300x750 | 20 |
| W-50 | 50 | 10 | Single Phase 230 V 50 Hz | 700 | 500x600x750 | 25 |
| W-75 | 75 | 15 | Single Phase 230 V 50 Hz | 1000 | --- | 35 |
| W-100 | 100 | 20 | 3 Phase 400 V AC 50 Hz | 1250 | --- | 40 |
| W-150 | 150 | 30 | 3 Phase 400 V AC 50 Hz | 1850 | --- | 60 |
| W-200 | 200 | 40 | 3 Phase 400 V AC 50 Hz | 2500 | --- | 80 |
| W-300 | 300 | 50 | 3 Phase 400 V AC 50 Hz | 3750 | --- | 120 |

TECHNICAL SPECIFICATIONS

| Overall | Water Cooled Models (W- Series) |
|---------------------------------|--|
| Ozone Output | 25 Grams/Hour to 1 Kg/Hour |
| Technology | Corona Discharge Technology |
| Line voltage | 230 / 400 Volts AC 50 Hz |
| Operating temperature | 0-40°C |
| Humidity | Up to 90% RH |
| MOC of all ozone contact parts | SS/ Teflon/ Glass |
| Feed Gas | |
| Feed Gas Used by the Electrodes | Dry, Filtered Oxygen |
| Method of Feed Gas Generation | Pressure Swing Adsorption |
| Oxygen Purity | > 90% |
| Dew Point Deg C | < -40 |
| Electrode | |
| Type of electrode | Water cooled |
| MOC of electrode | SS 304L/316L |
| Dielectric material | Quartz Glass |
| Power Supply | |
| Power Supply Type | IGBT Based High Voltage High Frequency |
| High Frequency Transformer | Forced Air Cooled Ferrite Core |
| Protections | Fuse |
| Power Amplifier | IGBT Technology |