INDIGO OZONE SYSTEM

20 & 40 g/hr Ozone Systems for Multiple Applications

www.wassertec.co.za
Our Commitment

Wassertec Ozone Systems is committed to providing complete peace of mind to our customers by focusing on Quality, Safety, Reliability, Integration, Simplicity and Service.

Quality
We source only the best components and build our systems to the highest international quality standards.

Safety
Compliance with health & safety specifications is a priority. To ensure worker safety, our systems continuously monitor ozone levels and shutdown automatically in an emergency.

Reliability
Wassertec systems are built to last for 10+ years* with minimal maintenance or downtime.

Integration
We provide a complete solution. Products can be integrated with existing systems or customized to meet client specifications.

Simplicity
Our products are designed to be both easy to use and easy to maintain.

Service
Replacement parts can be sourced within 24 hours and experienced service technicians are always available.

* Provided proper maintenance is observed.
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**Indigo Ozone System**

The Indigo Ozone System, is a basic self-contained on/off system, with a built-in oxygen generator which can produce up to 40 grams/hour of ozone. It has been designed for continuous running when used in commercial applications and has minimal maintenance requirements. The Indigo is able to treat up to 5 thousand litres of drinking water per hour.

The Indigo Ozone System is available either as a stand alone unit or with an ozone mixing contactor, mounted on a skid.

**A self-contained Ozone System**

The system requires only electricity and compressed air in order to operate.

Indigo features a built-in oxygen concentrator and can be supplied with an optional oil-less compressor, allowing the unit to produce ozone at high concentrations where a compressed air supply is not available.

The Indigo Ozone System is perfectly suited to a wide range of applications such as:

- Potable water disinfection
- Water re-cycling
- Effluent water treatment
- Fire and Flood restoration
- Cooling tower water treatment

**Features**

<table>
<thead>
<tr>
<th>Feature</th>
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<tbody>
<tr>
<td>Suitable for commercial applications</td>
<td>✔</td>
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<tr>
<td>Designed for continuous operation</td>
<td>✔</td>
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<tr>
<td>Corona Discharge ozone generator</td>
<td>✔</td>
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<tr>
<td>Versatile design allows for easy customisation</td>
<td>✔</td>
</tr>
<tr>
<td>Stainless steel enclosure</td>
<td>✔</td>
</tr>
<tr>
<td>ORP (Oxidation Reduction Potential) control (optional)</td>
<td>✔</td>
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<tr>
<td>Durable, high quality, ozone resistant components</td>
<td>✔</td>
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<tr>
<td>Fully serviceable and easy to access components</td>
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“Designed for continuous running in commercial applications and able to treat up to 5 thousand litres of drinking water per hour.”
Ozone Output
The Indigo Ozone System is available in 2 options:
The 20G which has an ozone output of 20g/hr and the 40G with an ozone output of 40g/hr.

**Indigo 20G**
Ozone Output at sea level is 20g/hr. Approximately 17g/hr at 1600m ASL

**Indigo 40G**
Output at Sea Level is 40g/hr. Approximately 34g/hr at 1600m ASL

* Ozone output in grams per hour (g/hr)

Benefits
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<thead>
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<th>Benefit</th>
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<tr>
<td>Commercial disinfection solution</td>
<td>✔️</td>
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<tr>
<td>Kills bacteria, viruses and pathogens</td>
<td>✔️</td>
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<tr>
<td>Easy customisation for different applications and environments</td>
<td>✔️</td>
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<td>Wide range of applications</td>
<td>✔️</td>
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<tr>
<td>Built to the highest standards</td>
<td>✔️</td>
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<tr>
<td>Durable, long lasting components</td>
<td>✔️</td>
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<tr>
<td>Minimal maintenance</td>
<td>✔️</td>
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<tr>
<td>Proven Reliability</td>
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Components

1. **Wassertec Oxygen Generator**
   Designed and manufactured by Wassertec, our oxygen generators are more robust and easier to service than the imported versions.

2. **High Quality Ozone Modules**
   The ozone modules each produce 10grams/hour of ozone from oxygen. Constructed from hard anodised aluminium, stainless steel and ceramic, using a planar as opposed to a tubular design to maximise air cooling efficiency and ozone output.

3. **High Voltage Power Supply**
   The Indigo uses the tried and tested Wassertec power supply which has been constantly refined since its inception in 2002. Ozone output can be electronically controlled from 0 - 100%.
Suitable Applications of Ozone Air Treatment

**Potable water treatment**
Ozone is a very powerful disinfectant. At a dosage of 2mg/litre the Indigo can treat up to 10,000 litres/hour of water.

**Cooling tower water treatment**
Ozone can be used as a complete replacement of the chemical treatment programme on a cooling tower.

**Barrel / Tank disinfection**
Ozone, when sufficiently dosed, is highly effective as a surface sanitiser. Wooden barrels can be filled with ozonated water to disinfect and remove volatile acidity causing bacteria. Steel tanks can be sprayed.

**Car wash water re-cycling**
Increasingly, automated car washes are making use of re-cycling systems in order to save water. Ozone is used in these systems to prevent unpleasant odours developing in the water, as well as to reduce foaming.

**Horticulture / Irrigation / Hydroponics**
Ozone is suitable as a disinfectant for irrigation water. It will oxidise organisms which cause root damage as well as increasing oxygen levels in the water.

**Fire restoration**
The odour left over after a fire or smoke damage can be completely removed using ozone. The Indigo can de-odourise a standard sized family home and contents in 1-3 days depending on the level of contamination.
## Specifications

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<th><strong>OZONE GENERATOR</strong></th>
<th><strong>Indigo 20G / 40G</strong></th>
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| **Size and Weight** | **Height:** 1300mm (51.18 inches)  
**Width:** 600mm (23.62 inches)  
**Depth:** 320mm (12.6 inches)  
**Weight:** 35kg (77.16 pounds) |
| **Power** | 230V - 59Hz - 500W,  
Unit must be earthed. |
| **Enclosure** | 304 Stainless Steel, laser cut. |
| **Ozone Modules** | 2 x 10 g/hr or 4 x 10 g/hr (grams per hour) ozone modules,  
with short circuit resistant power supplies. |
| **Ozone Cell Construction** | 316 Stainless Steel fittings. Hard anodised aluminium body,  
Ceramic dielectrics. All CNC machined. |
| **Oxygen Generator** | Wassertec 0 - 5 litres/min oxygen @ >90% purity,  
Ceramic rotating valve technology,  
High quality molecular sieve. Fully serviceable. |
| **Oil-Less Compressor** | Twin cylinder, oil-less rocking piston type.  
Ceramic rotating valve technology, High quality molecular sieve.  
Optional if client compressed air is not available. |
| **Instrumentation** | Oxygen flowmeter 0-5 lpm,  
Pressure / vacuum gauge: -1 to 1 Bar,  
Ammeter 0-1 Amps, Running hour meter. |
| **Optional Instrumentation** | ORP (Oxidation Reduction Potential) Controller & Probe. |
| **Mounting Options** | Wall mounted. |
| **Environmental Requirements** | Indoor use only,  
Maximum ambient temperature 40°C,  
Well ventilated area. |