

About us

Genieplex Technologies Pvt. Ltd. is a forward-looking technology company specializing in healthcare and sanitation solutions. Our mission is to innovate and deliver eco-friendly, sustainable products that enhance hygiene standards in hospitals, public spaces, and corporate environments.



The Ozoniser-Detailed Product Introduction

The Genioz Ozoniser is an advanced disinfection and deodorization system engineered to meet the stringent hygiene requirements of hospital Operation Theatres (OTs), Intensive Care Units (ICUs), and public sanitation facilities. Built with cutting-edge ozone generation technology, it provides a chemical-free, eco-friendly, and highly effective solution for sterilizing both air and surfaces.

Genioz Ozoniser is a patented technology, ensuring uniqueness and innovation in sterilization solutions.

Why Ozoniser? Hospitals and public washrooms are high-risk environments for microbial contamination. Conventional cleaning methods often fail to reach hidden corners, ventilation ducts, and porous surfaces. The Genioz Ozoniser addresses these limitations by using ozone (O_3), a naturally occurring molecule and one of the most powerful oxidants, capable of eliminating 99.9% of pathogens including bacteria, viruses, fungi, and spores.

After disinfection, ozone safely decomposes back into

oxygen, leaving no toxic residues, no secondary pollution, and no risk to human health when used under proper guidelines.

Specialized for Critical Environments:

- **Operation Theatres (OT):** Ensures sterile air and surface conditions before and after surgical procedures, reducing risks of surgical site infections.
- **ICU Isolation Units:** Provides continuous microbial control in sensitive patient care areas where infection risks are highest.
- **Public Washrooms:** Maintains fresh, odor-free, and germ-free environments in high-traffic areas such as malls, airports, and schools.

Innovation You Can Trust: The Genioz Ozoniser integrates automated timer remote control for safe operation, leakage protection auto shut-off for compliance with safety standards, energy-efficient ozone modules ensuring long device life, and multiple capacity models to suit both small washrooms and large hospital theatres.

Positioning Statement: The Genioz Ozoniser is not just a sanitation device—it is a strategic infection-control solution that strengthens healthcare safety standards and elevates public sanitation to global benchmarks.



Ozone Technology – How It Works

Ozone is a natural molecule made of three oxygen atoms (O_3). It is a powerful oxidizing agent that destroys microorganisms by breaking down their cell walls and disrupting their reproductive processes. The Ozoniser generates controlled levels of ozone, circulates it in the environment, and ensures comprehensive sterilization of air and surfaces.

Key Features

- **High-Level Sterilization:**
Ensures sterile OT & ICU environment.
- **Odor Neutralization:**
Eliminates odors in washrooms & hospital areas.
- **Automated Operation:**
Timer-based and remote-control enabled.
- **Zero Chemicals:**
Purely natural and eco-friendly disinfection.
- **Flexible Coverage:**
Models available for different room sizes.
- **Safety Mechanism:**
Auto cut-off with ozone leakage prevention.
- **Portable Design:**
Easy to install and maintain.

Technical Specifications

Parameter	Specification
Ozone Output	500 mg/hr – 5000 mg/hr (model dependent)
Coverage Area	100 – 1000 sq. ft.
Power Supply	220V AC, 50 Hz
Timer Control	Up to 120 minutes (programmable)
Safety Features	Auto shut-off, ozone leakage prevention

Benefits

- ✓ Reduces risk of Hospital Acquired Infections (HAIs).
- ✓ Ensures safe environment for patients and staff.
- ✓ Maintains odor-free public washrooms.
- ✓ Reduces chemical consumption and costs.
- ✓ Boosts public confidence in hygiene standards.
- ✓ Supports sustainable healthcare practices.

What is Ozone (O₃)?

- Ozone is a molecule made of three oxygen atoms.
- It is a powerful natural oxidant and disinfectant, stronger than chlorine.
- Found in nature (lightning, waterfalls, upper atmosphere), it protects us by neutralizing harmful microbes and pollutants.

How the Ozoniser (Genioz) Works

1. Ozone Generation

- The Ozoniser uses corona discharge / UV technology to convert oxygen (O₂) from the air into ozone (O₃).

2. Disinfection Process

- Ozone spreads into the air and onto surfaces, penetrating hidden corners, fabrics, and ducts.
- It destroys microorganisms by breaking their cell walls and disrupting replication.

3. Oxidation & Odor Removal

- Ozone neutralizes foul odors by oxidizing odor-causing organic compounds (ammonia, sulfur, etc.).

4. Safe Reversion to Oxygen

- After treatment, ozone naturally breaks back down into pure oxygen (O₂), leaving no harmful residue.

Advantages over Conventional Sanitization

- ✓ Reaches areas that manual cleaning cannot.
- ✓ No chemical residues – safe & eco-friendly.
- ✓ Eliminates bacteria, viruses, fungi, mold, and spores.
- ✓ Neutralizes odors instantly.
- ✓ Faster and more cost-effective than traditional methods.



Genieplex Technologies Pvt. Ltd.

Innovating Hygiene Solutions for Safer Environments

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Hygiene That Heals

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