



How It Works

1. Fill the internal reservoir with clean water.
2. The evaporative media naturally wicks water upward.
3. The Titan's intake fan draws air through the saturated media.
4. The air absorbs water vapour before entering the Titan Hydroxyl Generator.
5. This additional moisture helps support hydroxyl radical production.

No electrical connection, pump, ultrasonic transducer or visible mist is required. The Hydroxyl Maximizer delivers targeted humidity directly where the Titan needs it.

Maintenance-Free Evaporative Design

The latest Hydroxyl Maximizer replaces the previous ultrasonic humidifier system with a passive evaporative design.

Key Benefits

- No electricity or external power supply
- No pumps, electronics or moving parts
- No ultrasonic mist heads
- Quiet operation
- Minimal maintenance
- Improved durability and long-term reliability
- Reduced risk of mineral staining from atomised hard water
- Simple operation in the field

By removing unnecessary electrical and mechanical components, the Hydroxyl Maximizer provides dependable performance with minimal maintenance.

Designed for Titan Hydroxyl Generators

The Hydroxyl Maximizer is specifically designed for use with International Ozone Titan Hydroxyl Generators.

Instead of increasing humidity throughout the entire treatment area, it delivers moisture directly into the Titan's intake airflow. This targeted approach helps support hydroxyl production without unnecessarily raising ambient humidity throughout the building.

Typical Applications

- Fire and smoke damage restoration
 - Water and flood damage restoration
 - Mould remediation
 - Sewage remediation
 - Trauma and biohazard restoration
 - Hoarding clean-ups
 - Residential and commercial odour removal
 - Disaster recovery
-

Simple to Operate

1. Fill the reservoir with clean water.
2. Allow the evaporative media to become saturated.
3. Position the Maximizer directly behind the Titan's air intake.
4. Switch on the Titan Hydroxyl Generator.
5. Refill the reservoir as required.

A full reservoir typically provides approximately **4–5 days of continuous operation** under normal conditions. Actual run time will vary depending on temperature, airflow and ambient humidity.

Why Use the Hydroxyl Maximizer?

Hydroxyl generators use moisture in the air as part of the hydroxyl production process. In dry environments, increasing the moisture content of the air entering the Titan may help improve hydroxyl production.

The Maximizer offers:

- Greater reliability
- Lower maintenance
- Improved durability
- Easier field operation
- Long service life

It is a practical professional accessory designed to help maximise the performance of your Titan Hydroxyl Generator.

Frequently Asked Questions

What is a Hydroxyl Maximizer?

A Hydroxyl Maximizer is a passive evaporative humidity system that increases the moisture content of the air entering a Titan Hydroxyl Generator.

Does the Hydroxyl Maximizer produce hydroxyl radicals?

No. The Maximizer supplies water vapour to the Titan Hydroxyl Generator. The Titan then uses this moisture as part of the hydroxyl generation process.

Why is humidity important?

Moisture in the air supports the hydroxyl generation process. When incoming air is very dry, hydroxyl production may be reduced.

When should I use the Hydroxyl Maximizer?

For best results, use it when ambient relative humidity is below approximately **45% RH**.

The Titan will still operate without the Maximizer, but increasing intake-air humidity may improve hydroxyl production in dry conditions. When ambient humidity is already above approximately **60% RH**, the Maximizer will generally provide little additional benefit.

Does it require electricity or a pump?

No. The current model uses natural evaporation and capillary wicking. It does not require electricity, a pump, an ultrasonic mist head or moving parts.

Where should it be positioned?

Place the Hydroxyl Maximizer directly behind the Titan's air intake so the generator draws humidified air through the evaporative media.

Can I use tap water?

Yes. Clean tap water is suitable for most applications. Because the system uses evaporation rather than ultrasonic misting, it is less likely to cause mineral staining from hard water.

How often does it need refilling?

A full reservoir typically lasts approximately **4–5 days**, depending on temperature, airflow and ambient humidity.

Will it increase humidity throughout the building?

It is designed to humidify the air entering the Titan rather than significantly increasing humidity throughout the entire treatment area.

Is it compatible with all Titan Hydroxyl Generators?

The Hydroxyl Maximizer is designed for use with International Ozone Titan Hydroxyl Generators. Contact **The Restoration Group** before ordering if you are unsure which Titan model you have.

What maintenance is required?

Maintenance is minimal:

- Keep the reservoir clean
- Refill it with clean water as required
- Inspect the evaporative media periodically
- Ensure the air-intake openings remain unobstructed



Contact Us:

Showroom / Warehouse and Physical Address:

The Restoration Group Limited

109 Kelfield Place, Frimley Hastings 4120

New Zealand

Phone: 06-835-0065

email: info@restorationgroup.co.nz