



OdoZone

—
*Odour Control
Systems*





Odour Control Systems




Aquatec's OdoZone System is an intelligent and environmentally conscious odour control system that eliminates odour at the source and reduces the risk of corrosion.

Designed for pump stations and rising mains

OdoZone is designed to work seamlessly in conjunction with new and existing pump stations and rising mains.

Unlike alternative systems that mask odours using potentially hazardous chemicals, the fully automated OdoZone System draws oxygen from the ambient air to eliminate odour at the source and reduce corrosion.

Eliminating odours at the source

-  Reduced corrosion
-  No chemical handling
-  Environmentally friendly



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System Design

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Aquatec's OdoZone system revolutionises the industry's approach to odour and corrosion control.

How it works

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By creating oxygen and ozone as required, the system holistically treats the cause of odours. This saves time, avoids public complaints, maximises cost savings and removes the risks associated with using chemicals.

Automated treatment

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The on-demand system provides automated treatment, without the need for onsite storage of chemicals and labour-intensive processes. OdoZone requires minimal scheduled maintenance with low operating costs.

Environmentally friendly

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A greener solution, using oxygen from the ambient air to produce ozone. OdoZone helps the environment to remain odour and corrosion free.



“As an industry we should be focused on greener solutions – yet so often this is seen as a compromise on budget or quality. Aquatec has successfully challenged this assumption. There is no longer a need for compromise.”

Bruce Seeley
CEO, Aquatec



Setting a benchmark

Reduced corrosion

The OdoZone system reduces downstream Hydrogen Sulphide creation by breaking its production cycle at the source. This minimises the creation of Sulphuric acid, which is the major cause of corrosion within the sewer network.

Efficient and effective

By infusing oxygen and ozone directly into the waste water under pressure, OdoZone delivers higher efficiencies in oxygen saturation providing faster results at a lower cost.

No deliveries or chemical handling

OH&S risks associated with chemical handling and deliveries are eliminated with OdoZone. Designed with remote operation and monitoring, this system requires minimal onsite attendance.

Reduced footprint

OdoZone has been designed to reduce the physical and environmental onsite footprint by eliminating the need for chemical delivery, storage and emergency related equipment on site.



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OdoZone Diagnostic Unit (ODU)

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Capable of generating up to ten times the ozone required for an average size pump station, Aquatec's OdoZone Diagnostic Unit can be brought to site for demonstrational, sizing and evaluation purposes, or as a rapid response to customer odour complaints.

Simple trial process

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Aquatec's ODU is easy to set up, by simply plugging it into 3 phase power onsite, or to a portable generator that can also be supplied.

Remote control interface

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The ODU has a remote web portal for real time H₂S monitoring as well as historical data for performance evaluation pre, during and post dosing. This allows for the most efficient dosing rates to meet the odour profile and KPIs specific to the site.

Actionable outcomes

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Following the onsite visit, a report of the results including cost comparisons to traditional odour control methods, and ROI (Return On Investment) will be supplied. If you no longer want to be locked into traditional chemical dosing systems requiring expensive chemical deliveries and large onsite footprints to treat your odour complaints, see what the OdoZone Diagnostic Unit can do for you.





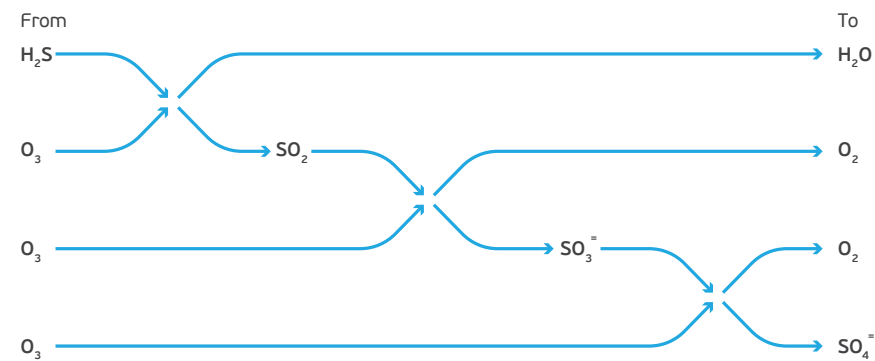
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The science behind it

Backed by proven results, the OdoZone System has been developed to target and break down Hydrogen Sulfide (H₂S), Ammonia and Organic compounds. The system helps remove problem substances found in waste water such pharmaceuticals, petroleum products, colour and dyes. The result? An environmentally friendly solution that creates water and oxygen as a by-product, assisting in the further reduction of odour and corrosion.

Key	O ₃ — Ozone	H ₂ S — Hydrogen Sulfide	SO ₃ ⁼ — Sulfite
O ₂ — Oxygen	H ₂ O — Water	SO ₂ — Sulfur Dioxide	SO ₄ ⁼ — Sulfate



Remote Operation System Management

The simple, user friendly system management console allows you to vary the dosing rates across the day to maximise the efficiency of the unit and minimise power usage.



Web Access

The system can be managed remotely through the inbuilt secure web portal, via onsite WAN connection or a dedicated VPN connection.



Realtime Data

Data in real-time is accessible via TCP Modbus to feed back into your SCADA network for both monitoring and historical reporting.



Predictive Maintenance

The OdoZone system actively monitors each component and predictively notifies you of any up and coming maintenance requirements, giving you piece of mind.

After Sales Service

Service Warranty

Aquatec are committed to providing full after sales service, support and long term warranties on all components.

Maintenance Management

Aquatec's Maintenance Training caters for existing personnel in need of additional assistance, or new personnel unfamiliar with the operational and maintenance requirements of our Odour Control Systems.

Technical & Product Support

Aquatec's Technical and Product Support Service responds to any product or technical enquiry, including recommendations on safe-use of our products.

Environment

Aquatec are committed to sustainability. This publication was produced using carbon neutral & FSC® certified paper.



Water Innovation Partners

T 1300 088 555
> aquatecenviro.com.au