



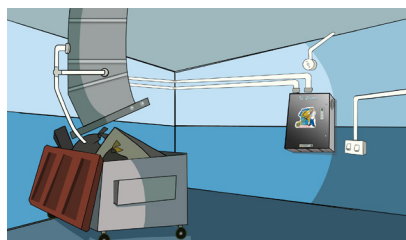
PURIFYING SOLUTIONS

Commercial Air Quality and Odour Control Services

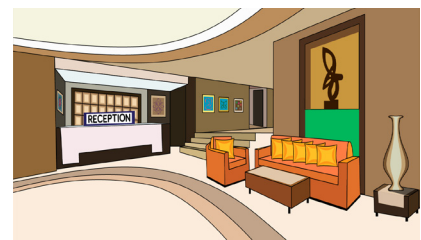
YOUR COMMERCIAL AIR QUALITY SPECIALISTS



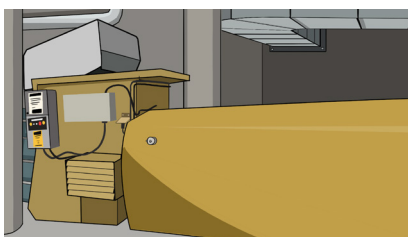
BIN ROOMS



GARBAGE CHUTES



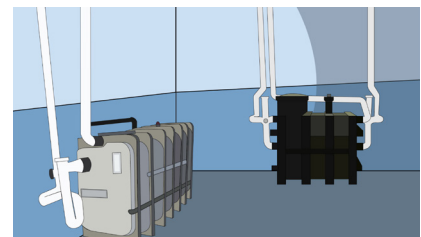
SCENT MARKETING



GARBAGE COMPACTORS



LOADING DOCKS



GREASE TRAPS



Manufactured
in Australia

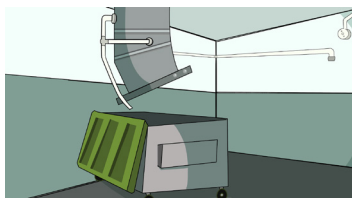


ABOUT US

Bruce Taylor started the Australian side of the business in 2006, having come from a long background in the Ozone industry in New Zealand, which included 5 years as the General Manager of an Ozone manufacturing company that specialises in water treatment systems for municipal and military water supplies.

12 years later and with many hundreds of systems operating 24/7 throughout Australia and New Zealand, Purifying Solutions Pty Ltd is a market leader for manufacturing and supplying commercial odour control systems directly to the accommodation and hospitality industry. The Garbage Doctor® product range has been designed from the ground up to provide foul air treatment within garbage rooms, garbage chutes, garbage compactors, grease traps and loading docks. The accompanying Odour Doctor® and Scent Doctor® systems expand on this product range, to provide odour control and scent marketing solutions for a wide range of commercial applications.

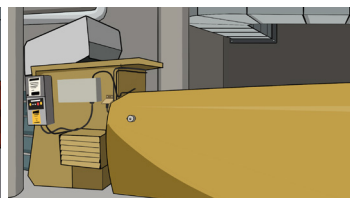
All research and development is done in-house, here in Australia by the same staff who assemble and maintain the equipment every day. This gives the company a massive competitive edge in terms of quality and performance, and we are proud to have customers upgrade to our systems from numerous other product types – with improved air quality usually evident in less than 30 minutes of installation.



GARBAGE CHUTES



BIN ROOMS



GARBAGE COMPACTORS



LOADING DOCKS

CHOOSE YOUR AIR QUALITY SPECIALIST:



GARBAGE DOCTOR®

Garbage Odour and Germicidal Control Systems

Designed specifically to provide deodorisation and germicidal control for commercial garbage areas. Both Ozone and germicidal UV-C technologies are used for highly effective odour removal and pathogen control - resulting in a 'neutral' smell. If a pleasant fragrance in the chute is also required, our scented odour neutralising vapour solution can also be added.

- ✓ Garbage Chutes (choice of scented or neutral smell)
- ✓ Garbage Compactors
- ✓ Garbage Bin Storage Areas



ODOUR DOCTOR®

Commercial Deodorising Systems

Designed to tackle a wide range of tough commercial odours, the Odour Doctor® is available in both Ozone producing models - which destroy odour molecules by oxidation, or as a scented odour neutralising vapour, which neutralises odours and leaves a pleasant residual fragrance (**no masking**).

- ✓ Loading Docks / Grease Traps
- ✓ Public Restrooms
- ✓ Grey Water Treatment Areas



SCENT DOCTOR®

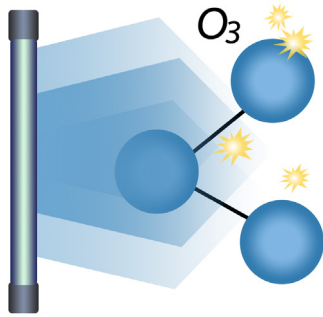
Beautifully fragranced air for your brand, staff and customers

The Scent Doctor® is the perfect solution where an inviting fragrance is required, without specific deodorisation. We have a range of scents available, and can help you create the perfectly scented atmosphere that relates to your brand experience.

- ✓ Hotel Lobbies
- ✓ Foyer/Reception Areas
- ✓ Conference Rooms
- ✓ Common Areas/Large Public Spaces

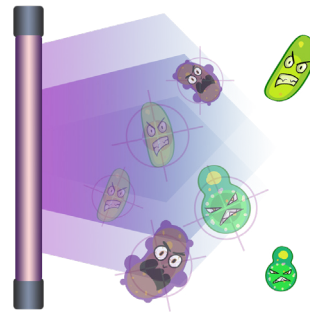
AIR PURIFYING METHODS

Ozone



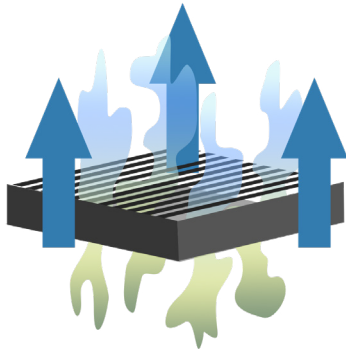
Ozone (O_3) is created from Oxygen (O_2) in the ambient air using the internal Si-Zone® ultraviolet technology. When the Ozone comes into contact with airborne contaminants, it destroys odours and provides germicidal control by a process called 'oxidation'.

Germicidal UVC



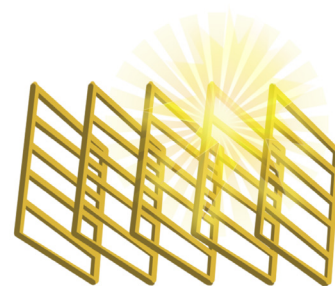
Germicidal UV-C light is deadly to forms of life at the micro-organic level, including bacteria, viruses and mould/fungi spores. When these contaminants come into contact with the UV-C, their DNA is disrupted and they are killed by a process called 'irradiation'.

Carbon Filtration



The activated carbon pre-filters are used to treat foul air for the removal of dust particles, airborne chemicals, and Volatile Organic Compounds (VOC's). Carbon also assists with the absorption of certain odour types which are frequently found in commercial environments.

Photo Catalytic Oxidation (PCO)



PCO is an advanced air purification process which was developed by NASA and is now used for commercial air quality applications. PCO requires using a specially designed nano-grade of Titanium Dioxide to act as a catalyst with a specific band of ultraviolet light. This reaction creates a powerful internal oxidising agent (even more powerful than Ozone), and can assist in controlling bacteria, viruses and spores, whilst also decomposing unwanted Volatile Organic Compounds (VOC's).

Scented Odour Neutralising Vapour



Odour Neutralising Vapour is an excellent method of neutralising odour molecules where a residual scent is of benefit, or if there are multiple odour sources spread over a large area and can't be targeted directly or efficiently with Ozone. Multiple scents are available to fit the application type, with all our solutions neutralising odours at the molecular level - **not masking**.

Scent Marketing / Air Fragrancing



Scents are strongly linked to memory and emotion, allowing for opportunities to create an atmosphere that targets your desired staff and customer experience. Our air scenting systems create a very fine vapour, which enables the fragrance to remain suspended in the air for much longer periods of time - which greatly improves efficiency and performance.

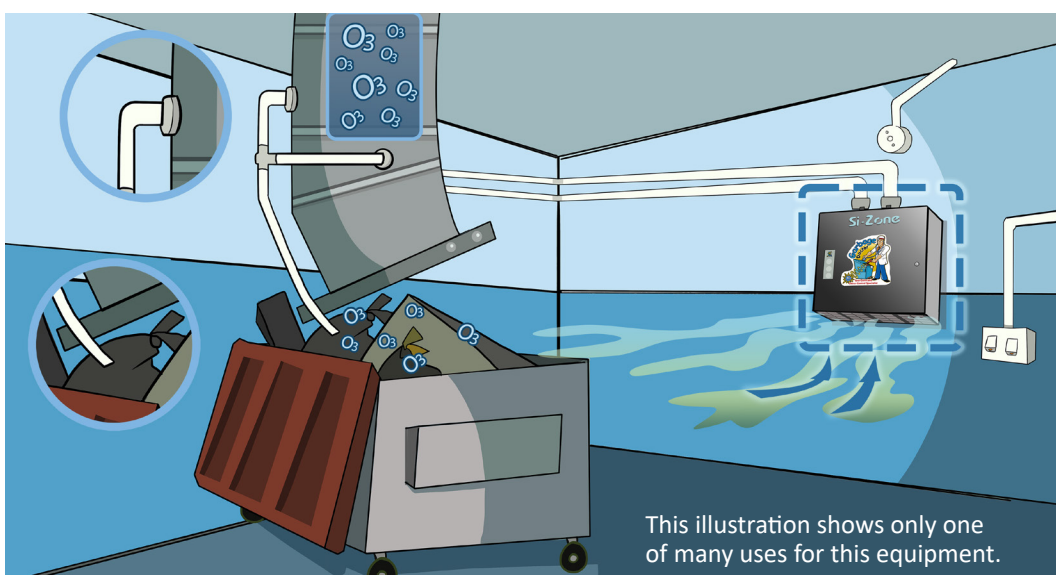


A highly effective and economical solution for small and medium sized buildings.

- **Garbage chutes**
 - **Garbage bin rooms**
 - **Garbage compactors**
- Bacteria, virus, mould and fungal spore control
 - Si-Zone® Ultraviolet Ozone technology with Germicidal UV-C (in the same purifying chamber)
 - Carbon Filtration for particle and VOC removal
 - Results typically evident within 15-30 minutes of installation
 - Stainless steel construction
 - Rated for 24/7 continuous operation
 - 4 Year on-site warranty when purchased
 - Indefinite warranty when leased

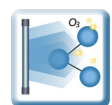
The Garbage Doctor® 3000 is a high-performance yet economically priced UV Ozone generator with combined Germicidal UV-C functionality. The systems are built here in Australia to provide continuous 24/7 odour and germicidal control in harsh operating environments, such as bin rooms, garbage chutes, compactor rooms and loading docks.

With a manufacturing quality that is simply unmatched within this price bracket, the 3000 model integrates the same industry proven Si-Zone® technology and large carbon filtration system which is found in our premium Garbage Doctor® 5000 and Duo models, while still retaining a full range of Ozone adjustment, to ensure the optimal deodorising output for your application requirements.

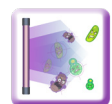


This illustration shows only one of many uses for this equipment.

Ozone



Germicidal UVC



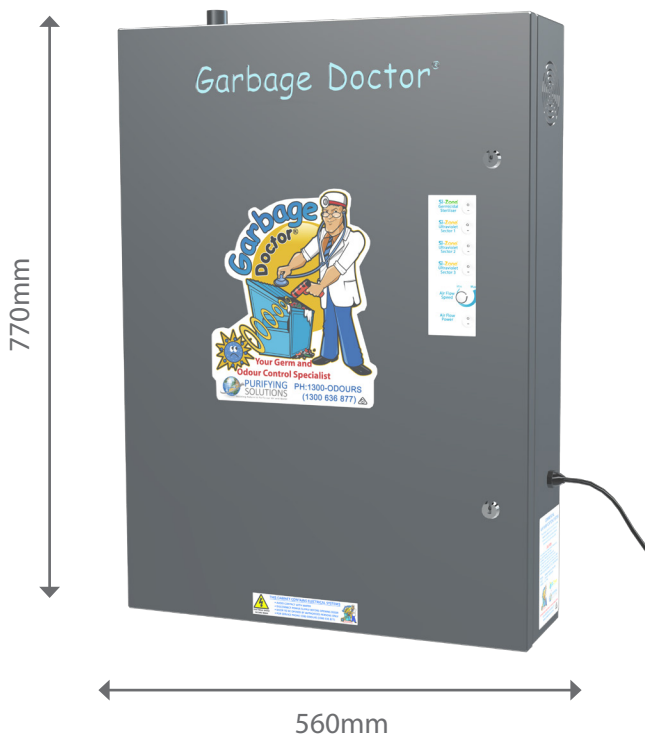
Carbon Filtration



The Garbage Doctor® 3000 operates 24 hours a day, continually circulating foul air through the carbon filter and Germicidal UV-C functions, while simultaneously creating Ozone with the Si-Zone® generator - which is then dispersed into targeted areas within your garbage system (which is generally the bins, garbage chute or compactor).



Manufactured
in Australia



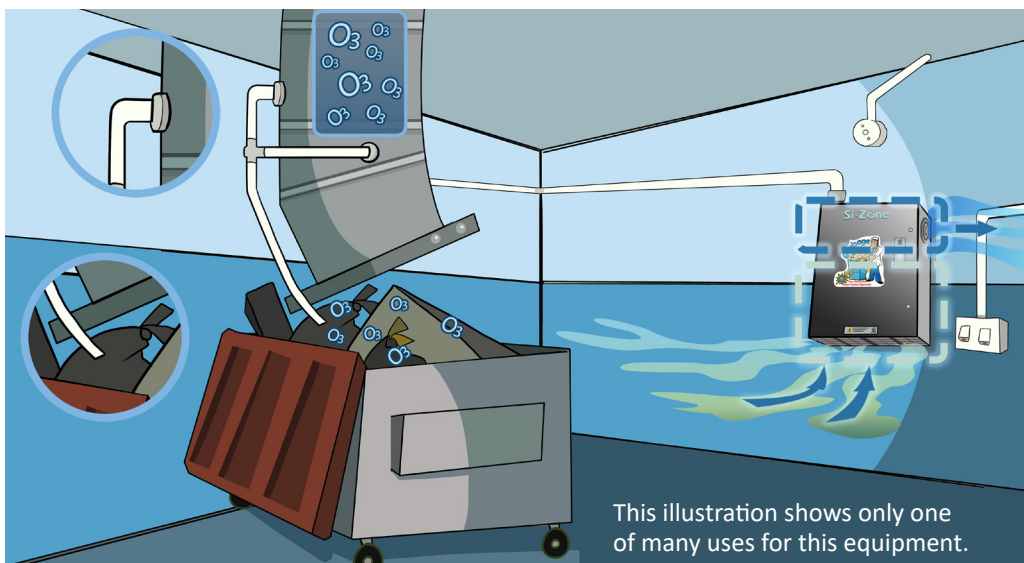
High capacity output with enhanced germicidal control for larger spaces.

- **Garbage chutes**
- **Garbage bin rooms**
- **Garbage compactors**

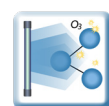
- Bacteria, virus, mould and fungal spore control
- Dual air purification system with Si-Zone® ultraviolet Ozone technology, and a separate purifying chamber for the Germicidal UV-C and Photo Catalytic Oxidation processes
- Carbon Filtration for particle and VOC removal
- Results typically evident within 15-30 minutes of installation
- Stainless steel construction
- Rated for 24/7 continuous operation
- 4 Year on-site warranty when purchased
- Indefinite warranty when leased

Our Garbage Doctor® 5000 is the industry flagship for removing odours and providing superior germicidal control in garbage environments. By combining Ozone, Germicidal UV-C, Carbon Filtration and the advanced Photo Catalytic Oxidation processes, you can seek comfort in the knowledge that you have the most technologically advanced and industry proven solution on the market today.

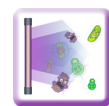
Manufactured here in Australia, the unique design provides separated internal purifying chambers which allow more air to be treated in human occupied areas than is possible with other Ozone-based systems.



Ozone



Germicidal UVC



Carbon Filtration

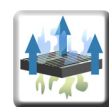


Photo Catalytic Oxidation



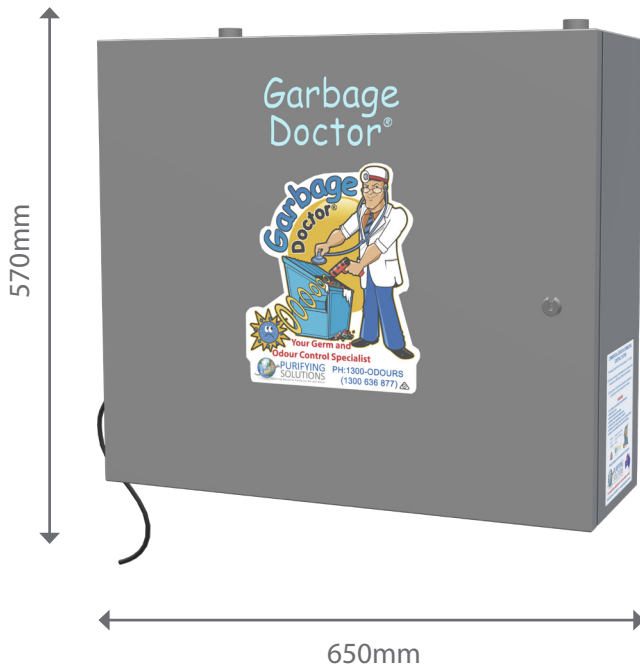
Unique Dual Air Purification Design - Maximum Germicidal Control

Air Purifier #1: Foul air is sucked through the carbon filter and treated in a separate chamber by the Germicidal UV-C and Photo Catalytic Oxidation Processes, before being dispersed back into the room.

Air Purifier #2: The Si-Zone® high performance Ozone generator has a fully adjustable output and continually disperses Ozone into targeted areas within your garbage system (such as the bins, chute and/or compactor).



Manufactured
in Australia

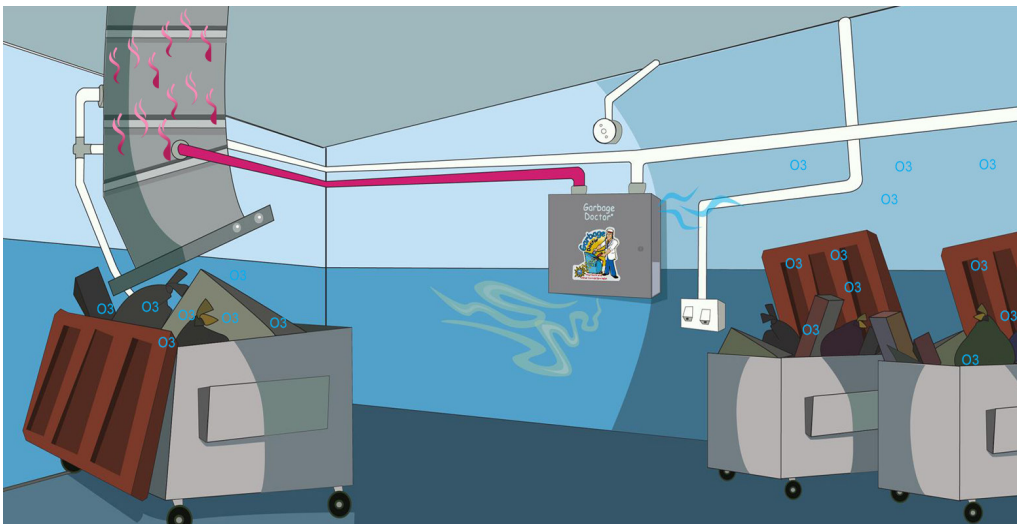


The best of both worlds. Ozone/Germicidal UV-C/Carbon is used to treat air in the bin room, while a scented odour neutralising vapour is released into the garbage chute.

- **Designed specifically for garbage chutes and bin rooms**

- Bacteria, virus, mould and fungal spore control
- Features both a Si-Zone® UV Ozone generator **and** a scented odour neutralising vaporiser in a single system
- Carbon Filtration for particle and VOC removal
- Results typically evident within 15-30 minutes of installation
- Stainless steel construction
- Rated for 24/7 continuous operation
- 4 Year on-site warranty when purchased
- Indefinite warranty when leased

This unique design includes two separate odour control systems within a single state-of-the-art product. The Garbage Doctor® Duo has been developed as a premium yet cost-effective solution where there is a desire to achieve a scented garbage chute, while simultaneously treating the bin room or compactor using Ozone - to provide maximum odour and pathogen control at the garbage source.

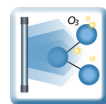


Unique Dual Air Purification Design - With Chute Scenting

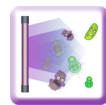
Si-Zone® UV Ozone Generator: Foul air is sucked through the carbon filter while Ozone is released via PVC pipework into targeted areas of the bin room (typically above the bins or compactor). By using the Ozone to provide odour and germicidal control directly at the garbage source, the amount of odour entering the chute is significantly reduced.

Scented Odour Neutralising Vapour: Simultaneously, an odour neutralising vapour is released into the garbage chute. This vapour **does not mask odours** - it neutralises odour molecules while also providing a pleasant residual scent through the chute.

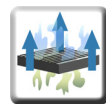
Ozone



Germicidal UVC



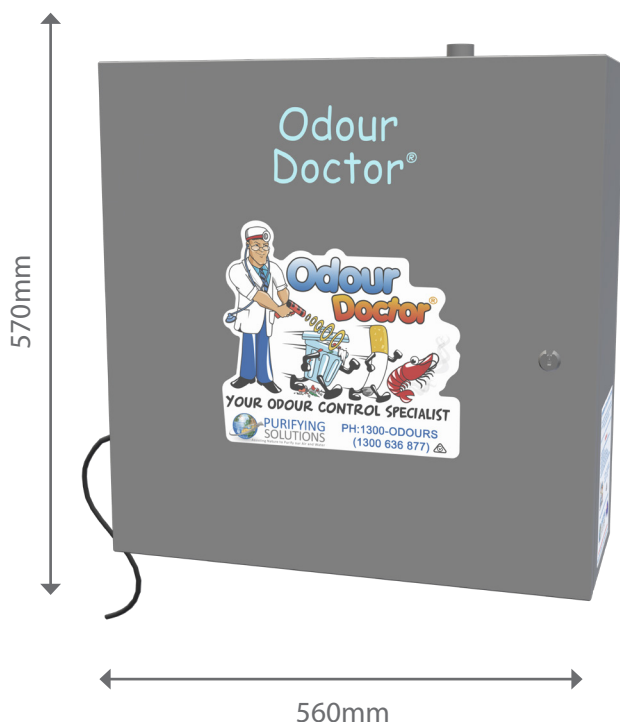
Carbon Filtration



Odour Neutralising Vapour



Manufactured
in Australia



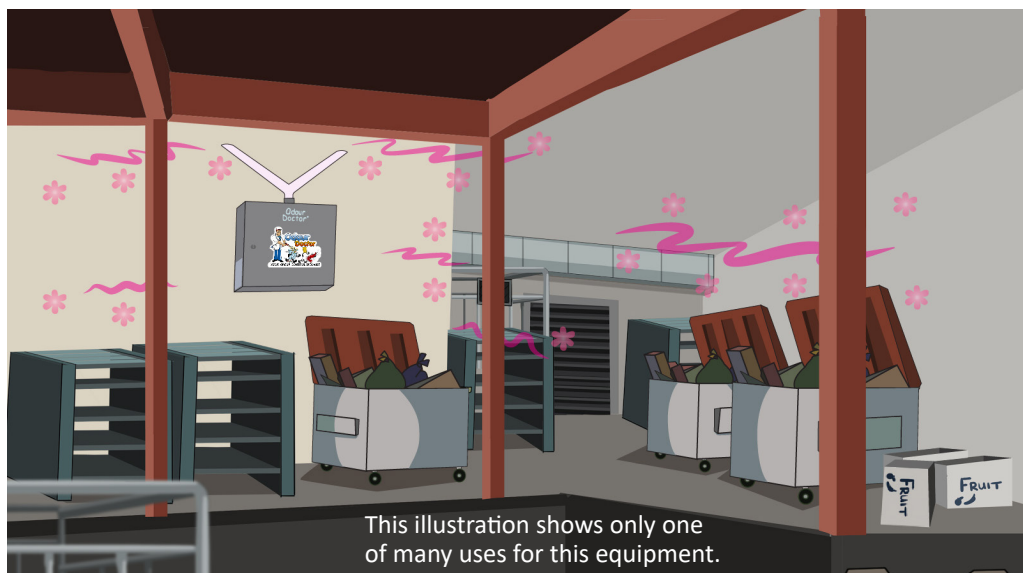
Scented odour neutralising system, suitable for a wide range of commercial odours.

- **Loading docks**
- **Grease traps**
- **Public restrooms**
- **Bin storage areas**
- **Grey water treatment rooms**

- **No masking** but leaves a pleasant residual scent
- Easily adjustable to suit your requirements
- Carbon Filtration for VOC control and reduced maintenance
- Results typically evident within 15-30 minutes of installation
- Stainless steel construction
- Rated for continuous operation

The Odour Doctor® utilises our proprietary hardware to create an extremely light-weight, scented vapour. This allows the neutraliser to mix efficiently with odour molecules, while remaining airborne longer to increase contact and odour neutralisation time.

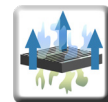
Because the strength of the vapour is easily adjustable, it can be dispersed into any size area. A significant benefit of our Odour Doctor® Vapour systems, is that they do not have to be installed directly where the odour source is, and for this reason they have an advantage over Ozone for use in large open spaces - especially if there are multiple odour sources which are not easily accessible, or are located at opposite ends of the treatment area.



Odour Neutralising Vapour



Carbon Filtration



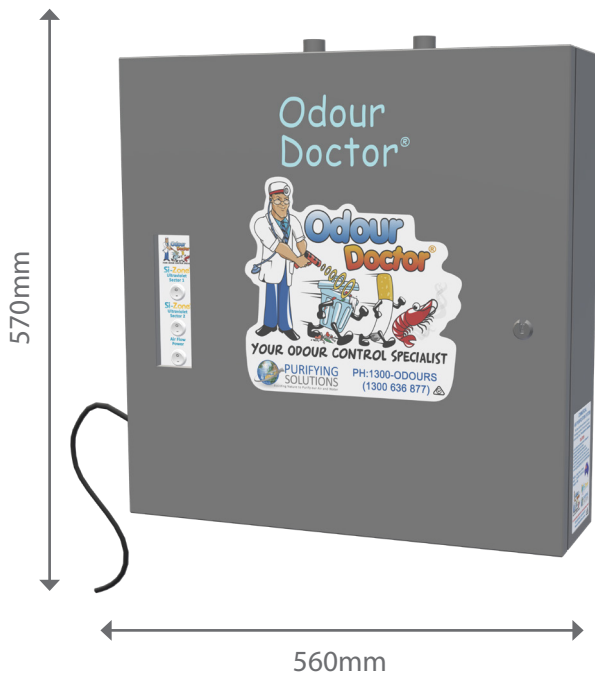
Example: Treating a loading dock and bin storage area

The Odour Doctor® Vapour is wall mounted, preferably in a central location however this is not vital. A small amount of pipework is installed from the equipment to disperse the neutralising vapour into the treatment area. When the vapour comes into contact with an odour molecule, i.e. from bins, grease traps or other sources, the odour is neutralised and a pleasant residual fragrance remains.

All of our Odour Doctor® systems neutralise or destroy odour - there is **no masking**.



Manufactured
in Australia



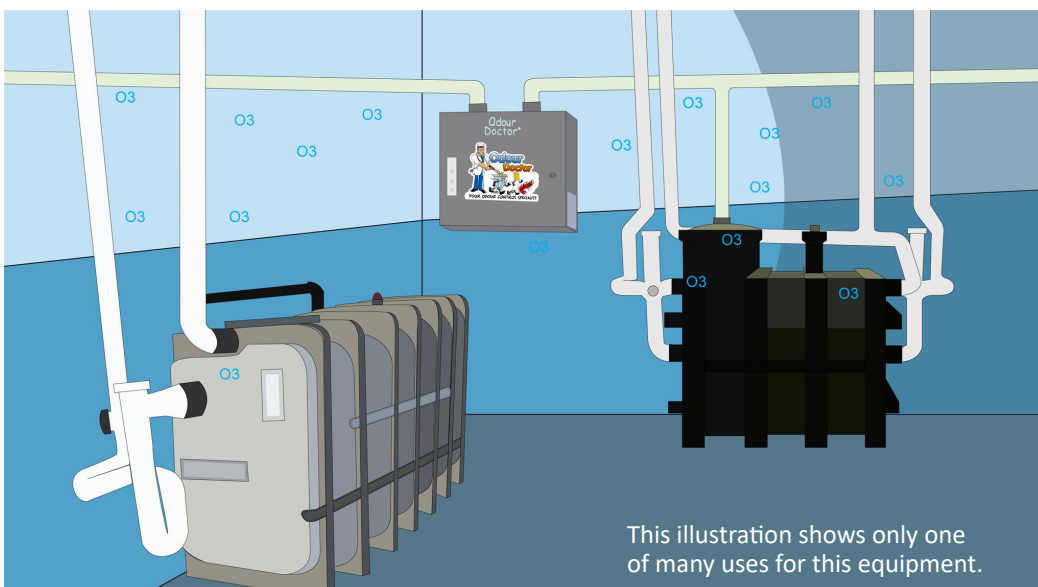
A cost effective and efficient commercial Ozone generator, with integrated Si-Zone® technology.

- **Loading docks**
- **Grease traps**
- **Grey water treatment rooms**
- **Bin storage areas**

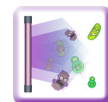
- Bacteria, virus, mould and fungal spore control
- Carbon Filtration for particle and VOC removal
- Results typically evident within 15-30 minutes of installation
- Stainless steel construction
- Rated for 24/7 continuous operation
- 4 Year on-site warranty when purchased
- Indefinite warranty when leased
- Optional Ozone monitor or entry timer

The Odour Doctor® Ozone is a high-performance yet economically priced Ultraviolet Ozone generator, with combined Germicidal UV-C functionality.

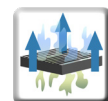
Manufactured here in Australia, the Odour Doctor® Ozone is rated for 24/7 continuous operation and is suitable for a wide range of commercial applications, where a dedicated and reliable Ozone system is required. The Ozone output is easily adjustable to ensure the correct output is achieved for your application.



Germicidal UVC



Carbon Filtration



Example: Treating grease trap odours with Ozone

In the above example, Ozone is being pumped through PVC pipework and dispersed into the air above the freestanding grease traps.

When Ozone comes into contact with an odour, it physically destroys the odour molecule by a process called oxidation, and in the process the Ozone reverts back to regular diatomic Oxygen, leaving a clean, 'neutral' smell in its place.



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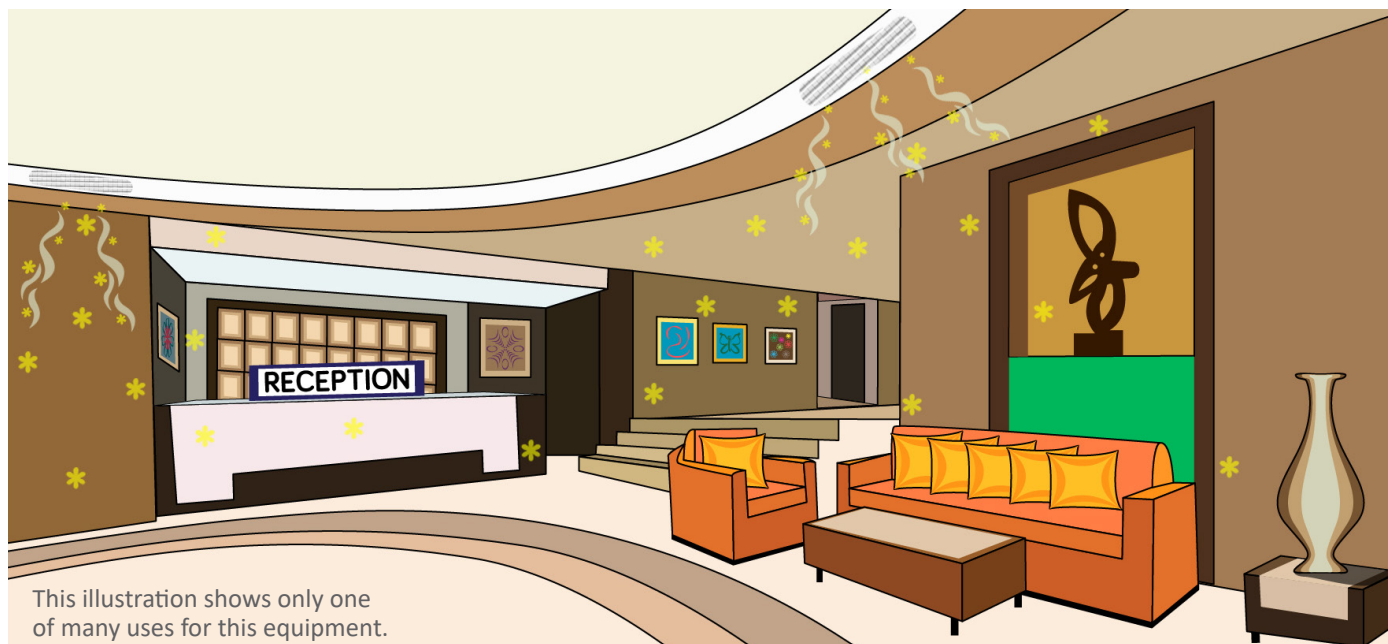


Scent Marketing is more than just the introduction of pleasing aromas, it's about finding and adapting the fragrance that has the most significant impact on your clients, while at the same time you provide them with a pleasant sensation and create a memory that relates the scent with your brand and intended experience.

Beautifully fragranced scent marketing solutions for any size space.

- **Hotel lobbies**
- **Foyer/reception areas**
- **Conference rooms**
- **Common areas/retail shops**

- Scents are strongly linked to memory and emotion, providing opportunities to create an ambience that suits your target customer experience
- A range of scents are available, or can be custom made on request
- Options to connect directly to your HVAC system, or can be used stand-alone
- Proprietary hardware creates an extremely fine vapour which remains suspended in the air for extended periods, greatly improving efficiency
- One affordable monthly fee - which includes all maintenance and consumables



This illustration shows only one of many uses for this equipment.

Scented Hotel Lobby and Reception Area

After selecting your desired fragrance, the Scent Doctor® creates beautifully scented air by either connecting directly into your HVAC system, or being placed in a discrete location within the room itself.

Our team takes care of all consumable replacements - meaning you can focus on your customers, and leave the rest to us.



*Manufactured
in Australia*

TESTIMONIALS



We have trialled various forms of deodorising products to sanitise our garbage system. None had been particularly effective in eliminating odour. Since installing Purifying Solutions ozone generators in October 2006, we have been very pleased to find our garbage chute and compactor room issues have been significantly reduced. I have

no hesitation in recommending Purifying Solutions and their expertise.

Q1 Resort and Spa (Megan Calliste) 2006

The three towers of Chevron Renaissance opened in 2004 and after trialling a number of deodorising products in our garbage system, we met with Bruce Taylor, the Managing Director of Purifying Solutions. Bruce demonstrated to us his Garbage Doctor systems which they were using successfully in other tall buildings here in South-East QLD.



The Garbage Doctor machines have now been operating in our three buildings and garbage compactor for more than 8 years. We are extremely pleased with the results and find Bruce and his team extremely prompt, friendly and reliable. I have no hesitation in recommending both the service of Purifying Solutions and the performance of the Garbage Doctor products.

The Towers of Chevron Renaissance (John Mead) 2015



Dear Bruce, it is without hesitation that I would recommend Purifying Solutions Pty Ltd (Australia). In December 2009 we had an unpleasant odour permeating from the refuse room and garbage chute. Bruce personally attended after hours to solve the problem.

The service provided is second to none. We are more than satisfied with the prompt and friendly service provided by the Garbage Doctor.

19th Avenue Apartments (Chris & Wendy Ward) 2010

We suffered from garbage odours wafting up the chutes and creating problems in our foyers and apartments. We had previously been using a deodoriser which tended to mask smells and not eliminate them - especially if seafood was involved.



Our trial of the Garbage Doctor proved extremely successful, and the Body Corporate agreed to install the system throughout our Resort. I have been very happy with the success of the Garbage Doctor system, which has resulted in eliminating odours throughout our resort and consequently eliminating customer complaints.

Osprey Apartments (Dave Turner) 2009

Circle on Cavil consists of two towers (48 and 68 levels in height) which were built by the Sunland Group and were opened in 2007. At that time we requested Purifying Solutions to install their air purification systems in our two garbage rooms and chutes. We were previously familiar with the Purifying Solutions equipment from its use in the Q1 building, which had recently opened and was also developed by the Sunland Group.



We have now been using the services of Bruce and his team for more than 8 years, and I would like to share my experience and recommendation of both their deodorising equipment and their service. We have always found the Purifying Solutions to be knowledgeable, quick to respond, and very professional in manner. If you have any questions in regards to my experience with Purifying Solutions, please do not hesitate to contact me.

Circle on Cavill (George Palac) 2015

View more testimonials online at www.purifyingsolutions.com.au



Odour Control Installations - Examples



www.purifyingsolutions.com.au - www.garbagedoctor.com.au - www.odourcontrol.com.au

Phone 1300-ODOURS (1300 636 877) sales@purifyingsolutions.com.au

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