PURIFYING SOLUTIONS

Commercial Air Quality and Odour Control Services

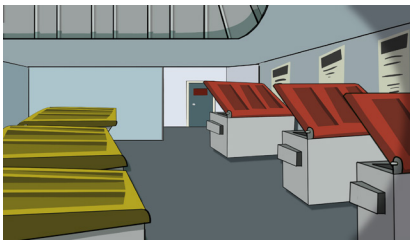
YOUR COMMERCIAL AIR QUALITY SPECIALISTS

Garbage Doctor
Your Germ and Odour Control Specialist

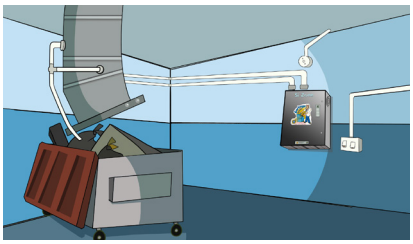
Odour Doctor
YOUR ODOUR CONTROL SPECIALIST

Scent Doctor

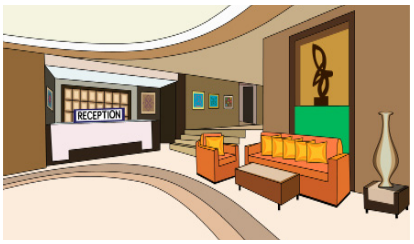
SCENT MARKETING - ODOUR CONTROL - GERMICIDAL CONTROL



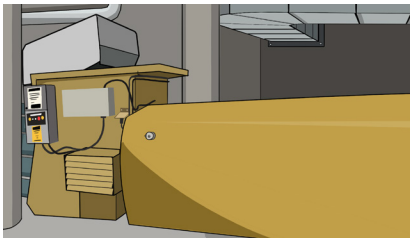
BIN ROOMS



GARBAGE CHUTES



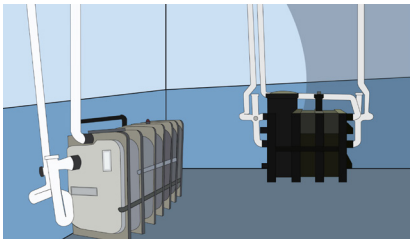
SCENT MARKETING



GARBAGE COMPACTORS



LOADING DOCKS



GREASE TRAPS

www.purifyingsolutions.com.au info@purifyingsolutions.com.au
1300-ODOURS (1300 636 877)

YOUR AIR QUALITY SPECIALISTS

Since 2006, Purifying Solutions Pty Ltd has been a leading provider of odour and germicidal control equipment for the Australasian market.

Designed and built here in Australia, our vast experience and proprietary technology has enabled us to provide equipment, service, and support which is unmatched; both locally and internationally.



GARBAGE DOCTOR®

Scenting, deodorising 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. Scenting can also be added to any system, which greatly enhances the experience of building residents and management alike.

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

ODOUR DOCTOR®

Commercial deodorising and scenting systems

Designed to address 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 combination with scenting to provide an exceptional customer experience.

- ✓ **Loading Docks / Grease Traps**
- ✓ **Grey Water Treatment Areas**
- ✓ **Commercial Odour and Scenting Applications**

SCENT DOCTOR®

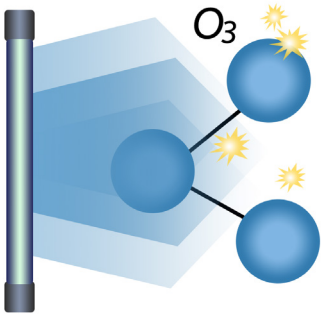
Beautifully fragranced air for your brand, staff and customers

The Scent Doctor® is your perfect solution where an inviting fragrance is required, without specific deodorisation. We have a great range of scents available to help create the perfectly fragranced atmosphere for your brand experience.

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

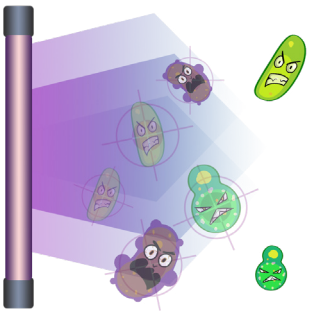
AIR PURIFYING & SCENTING TECHNOLOGY

Ozone



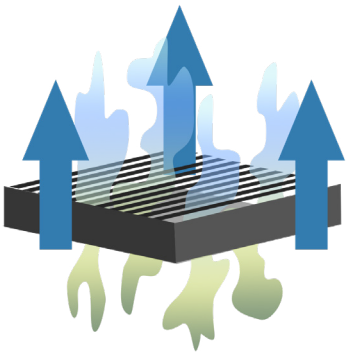
Ozone (O_3) is created from Oxygen (O_2) in the ambient air using our internal Si-Zone® ultraviolet technology. When the Ozone comes into contact with airborne contaminants, it destroys odours and provides germicidal control by a process called 'oxidation'.

Germicidal UVC



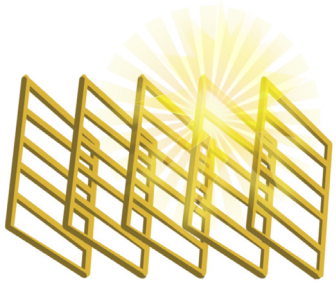
Germicidal UV-C light is deadly to forms of life at the micro-organic level, including bacteria, viruses and mould/fungi spores. When these contaminants come into contact with the UV-C light wave, their DNA is disrupted and they are killed by a process called 'irradiation'.

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 developed by NASA and is now used for commercial air quality applications. PCO requires a unique nano-grade Titanium Dioxide to act as a catalyst with a band of ultraviolet light. This reaction creates a powerful internal oxidising agent that can assist in controlling bacteria, viruses and fungi spores, whilst also decomposing unwanted Volatile Organic Compounds (VOC's).

Fragranced Vapour (Commercial)



When combined with our Ozone systems (to provide targeted deodorisation and germicidal control), the introduction of a specialised fragrance into the treated air greatly enhances customer experience.

This solution is a **customer favourite**, with a beautifully fragranced garbage chute invariably receiving excellent feedback from residents and management alike.

Scent Marketing / Air Fragrancing



Scents are strongly linked to memory and emotion, allowing opportunities to create an atmosphere that targets your desired staff and customer experience.

Our air scenting systems create a very light-weight vapour, which enables the fragrance to remain suspended in the air for longer, greatly improving efficiency and performance.

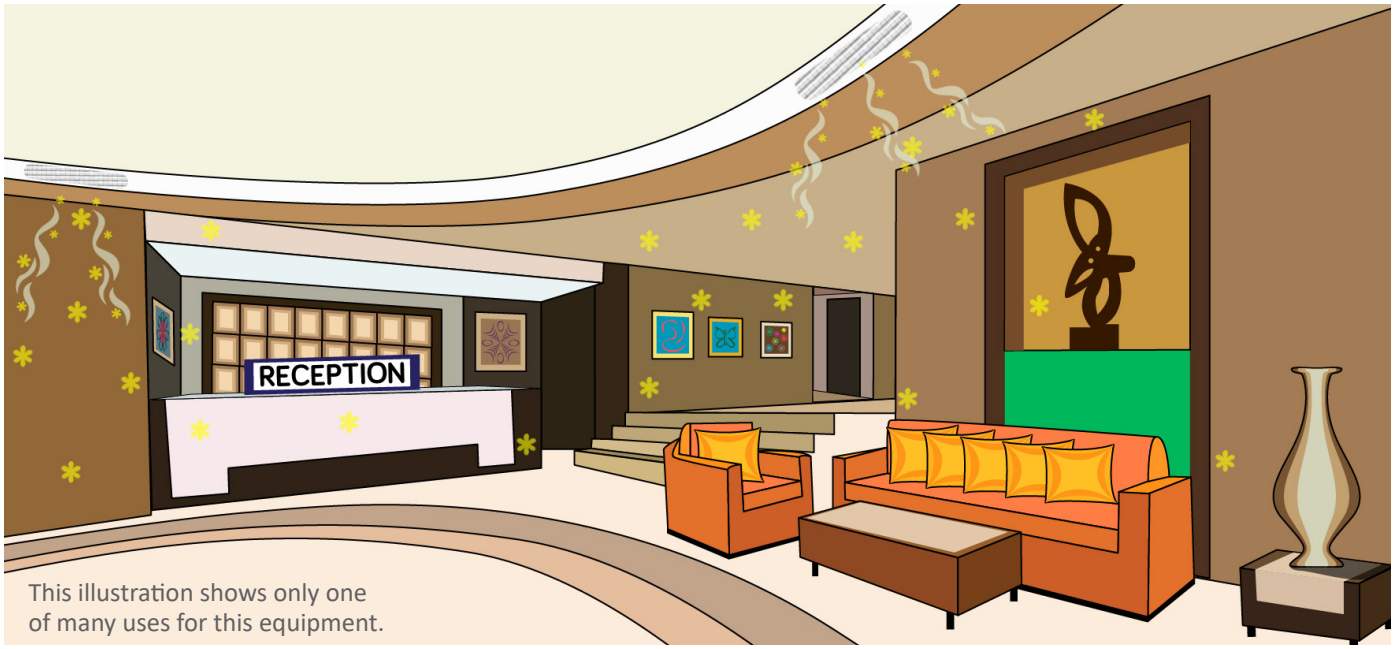


Beautifully fragranced scent marketing solutions for any size space.

- **Hotel lobbies/foyers**
- **Reception areas/conference rooms**
- **Gymnasiums/locker rooms**
- **Retail stores**

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 creating a memory that relates the scent with your brand and intended experience.

- Can be wall mounted, or connected directly to your HVAC system.
- A range of scents are available, or can be custom made on request.
- Scents are strongly linked to memory and emotion, providing opportunities to create an ambiance that suits your target customer experience.
- Proprietary hardware creates an extremely fine vapour which remains suspended in air for longer, greatly improving efficiency.
- An affordable monthly rental - which includes all maintenance and consumables.



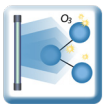
This illustration shows only one of many uses for this equipment.

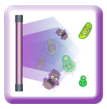
Example: Scented Hotel Lobby and Foyer

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

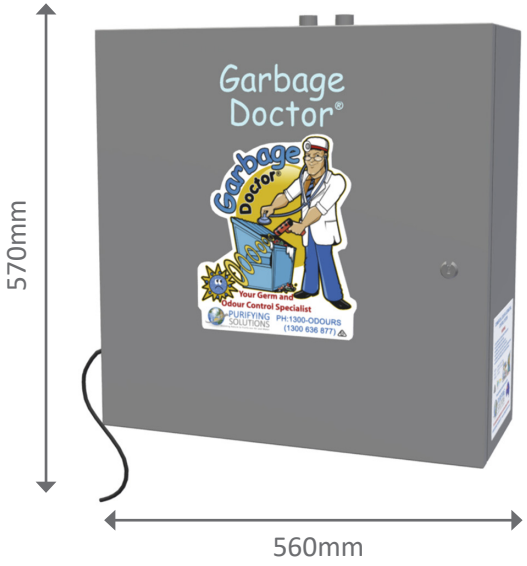
Our team takes care of all consumable replacements and required electrical testing - meaning you can focus on your customers, and leave the rest to us.

Garbage Doctor® *Ozone*


Ozone


Germicidal UVC


Carbon Filtration



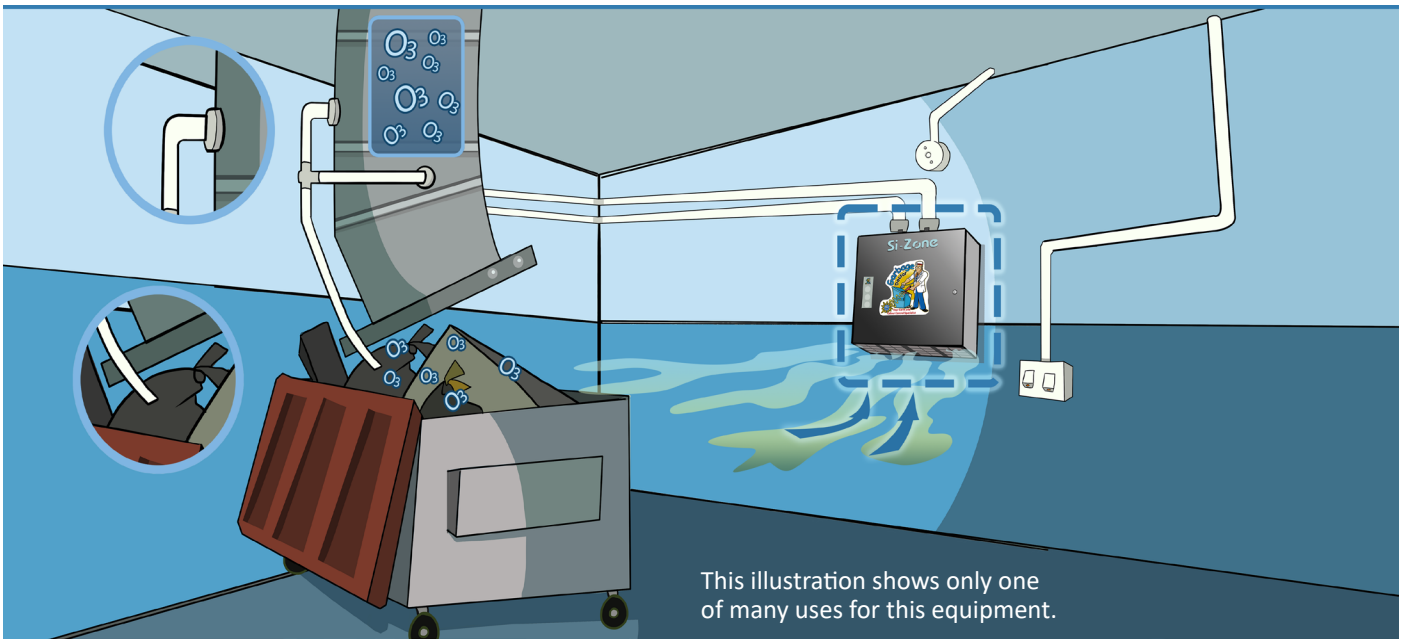
A highly effective and economical solution for small and medium sized buildings.

- **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 5-30 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® *Ozone* 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.

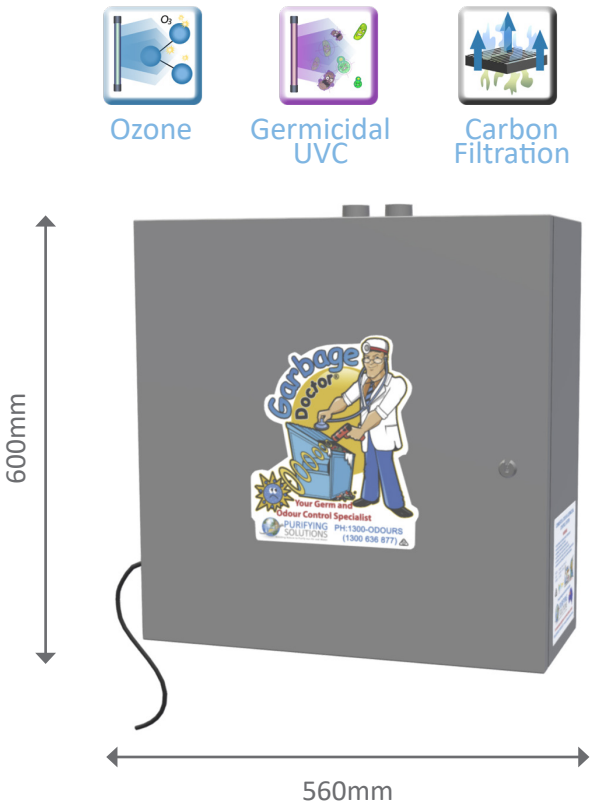
With a manufacturing quality that is simply unmatched within this price bracket, the *Ozone* model integrates the same industry proven Si-Zone® technology and large carbon filtration system which is found in our premium Garbage Doctor® *HD* and *Duo* models, while still retaining flexible Ozone adjustment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



The Garbage Doctor® *Ozone* 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. The Ozone is then dispersed into targeted areas within the garbage system (which is typically the bins, garbage chute or compactor).

Designed & Built in Australia

Product Profile — Garbage Doctor® *Ozone HD*



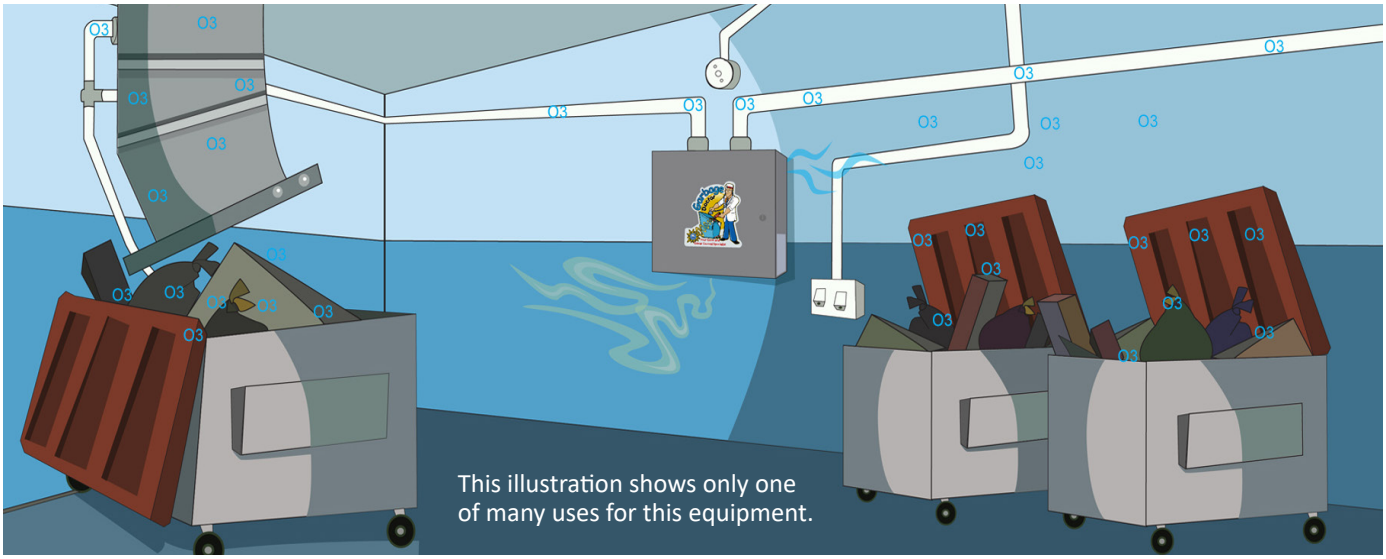
Highest capacity output. Designed for larger spaces, or where extended piping is required.

- **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 5-30 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® *Ozone HD* is a high-output system designed for those specific applications where large amounts of Ozone are required, or where extended lengths of pipework are beneficial to obtain optimal results.

Due to the high-pressure fan, a single machine can often be used where otherwise two separate Ozone systems may have been required. This equipment is perfect for large open loading docks, or locations where multiple heavy odour sources require treatment. e.g. Treating both a garbage compactor and grease trap simultaneously in near proximity.

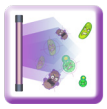


Heavy Duty Ozone Output: For Large Areas or Multiple Odour Sources

The Garbage Doctor® *Ozone HD* operates 24 hours a day, continually circulating foul air through the carbon filter and Germicidal UV-C functions, while simultaneously creating Ozone with the Heavy Duty Si-Zone® generator. The Ozone is then dispersed into targeted areas within the garbage system, grease trap, or loading dock.

Designed & Built in Australia


Ozone


Germicidal UVC


Carbon Filtration


Scenting



Dimensions
Master Control System (mm):
560 (w) x 600 (h) x225 (d)

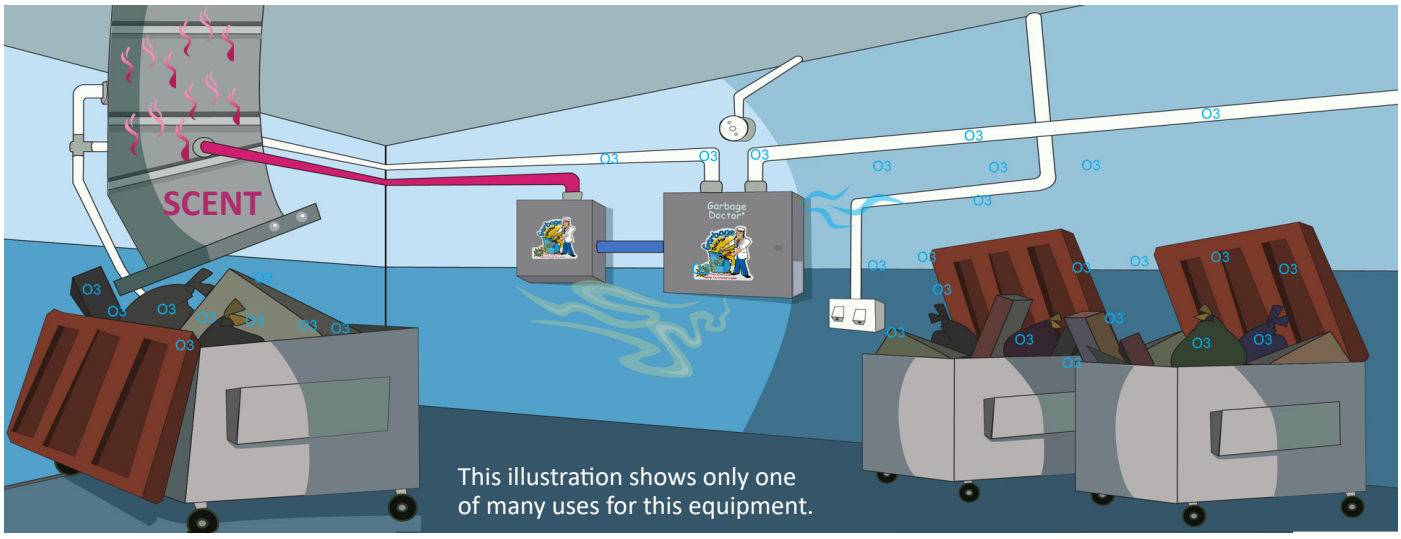
Scenting Chamber (mm):
320 (w) x 450 (h) x 260 (d)

The best of both worlds. Ozone, Germicidal UV-C and Activated Carbon is used to deodorise air in the bin room, while a **scented vapour** is released to beautifully fragrance the garbage chute.

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

- Features both a Si-Zone® UV Ozone generator and a scented vaporiser in a single system.
- Bacteria, virus, mould and fungal spore control.
- Scents the chute openings on each level.
- Multiple fragrances to choose from.
- Carbon Filtration for particle and VOC removal.
- Results typically evident within 5-30 minutes of installation.
- Australian made fragrances to AS/NZ standards.
- Rated for 24/7 continuous operation.
- **Customer favourite for managers and residents.**

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 scent the garbage chute, while simultaneously treating the bin room or compactor using ozone; providing maximum odour and pathogen control at the garbage source. A small amount of fragrance typically escapes around the chute access door on each level of the building, which greatly enhances the experience of residents and guests using the waste system.



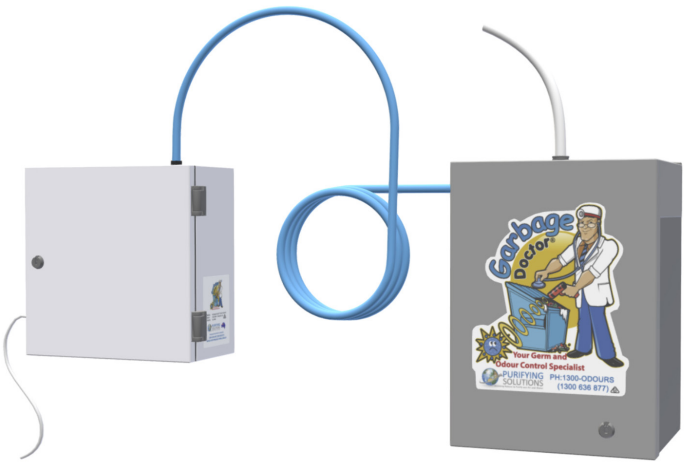
Unique Dual Air Purification Design - With Chute Scenting

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, foul odours are neutralised before they enter the chute.

Scented Vapour: Simultaneously, an extremely fine vapour is released into the chute, which travels up and escapes around the chute access doors on each level of the building. This leaves a subtle and beautifully scented experience as residents dispose of their waste. The selection and intensity of the fragrance is adjustable, ensuring the perfect fit for your building.


Designed & Built in Australia

Garbage Doctor® *Scenting*



Dimensions

Control System (mm):
330 (w) x 330 (h) 160 (d)

Scenting Chamber (mm):
320 (w) x 450 (h) x 260 (d)

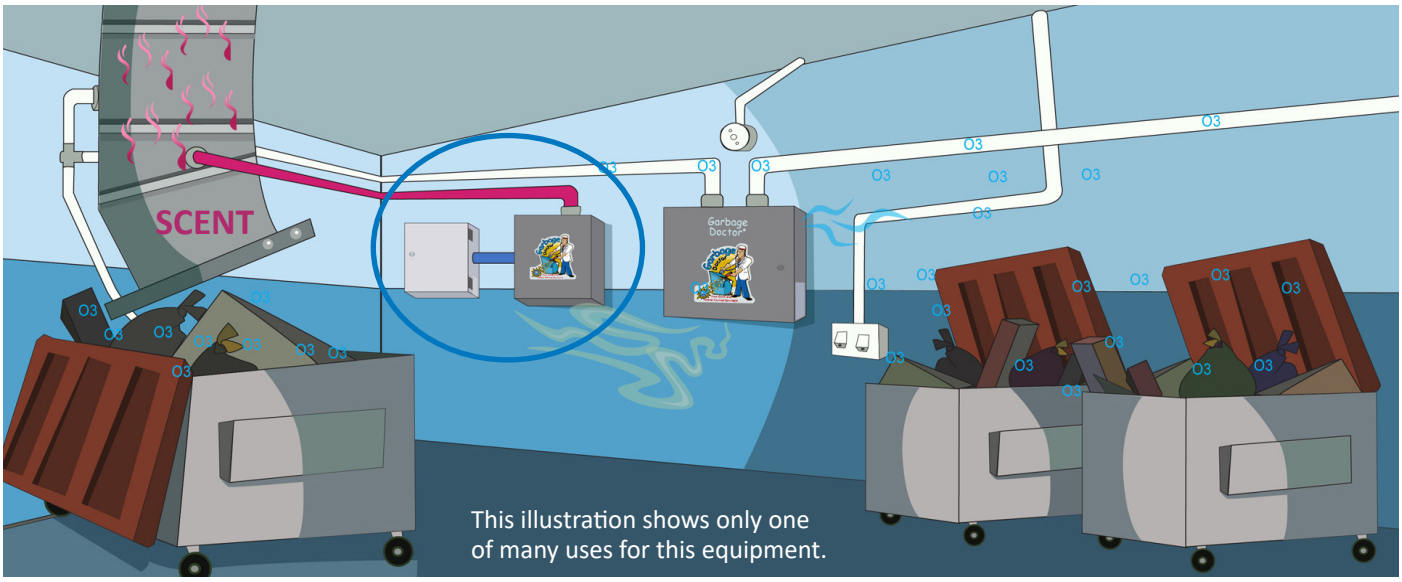
High-capacity commercial scenting system, suitable for a wide range of odour control applications. Often used in conjunction with an existing Ozone system to provide scenting within the garbage chute.

- **Garbage Chutes (add-on to existing Ozone)**
- **Loading Docks**
- **Bin storage areas**

- Multiple scents to choose from.
- Easily adjustable to suit your requirements.
- Results typically evident within 5-30 minutes of installation.
- Proprietary hardware to ensure consistent scenting levels between tank refills.
- Rated for continuous operation.

The Garbage Doctor® *Scenting* equipment utilises our proprietary hardware to create an extremely light-weight, scented vapour, that has a consistent output through the entire service-span of the tank.

Because the strength of the vapour is easily adjustable, it can be dispersed into any size area. A significant benefit of the Garbage Doctor® *Scenting* systems, is that they do not have to be installed directly where the odour source is, and for this reason 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.

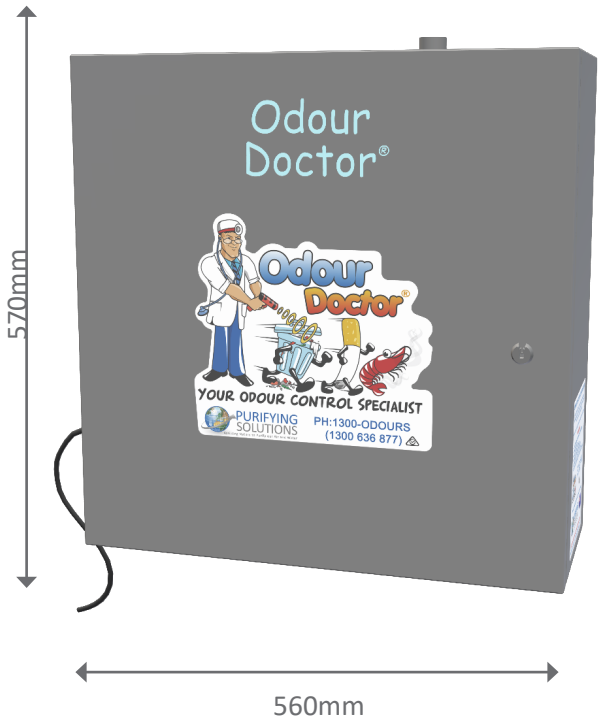


Example: Adding Scenting to your Existing Ozone System in the Bin Room & Chute

Your existing Garbage Doctor® Ozone equipment is re-piped, to allow for increased deodorisation and germicidal capacity within the bin room (the Ozone is generally targeted into the bin/ compactor beneath the chute, and also near any bins stored in the room).

The Garbage Doctor® *Scenting* equipment is then mounted on the wall, where it disperses a pleasant fragrance up the chute. A small amount of this fragrance typically escapes on each level of the building, significantly enhancing the experience of residents and guests as they dispose of their rubbish.

Designed & Built in Australia



High capacity scented-vapour system, suitable for a wide range of commercial applications.

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

- Multiple scents to choose from.
- Easily adjustable to suit your requirements.
- Can be scaled to suit any size area.
- Results typically evident within 5-30 minutes of installation.
- Proprietary hardware to ensure consistent scenting levels between tank refills.
- Rated for continuous operation.

The Odour Doctor® *Vapour* utilises our proprietary hardware to create an extremely light-weight, scented vapour. This allows the selected fragrance to remain airborne for longer, increasing both efficiency and effectiveness.

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* system, 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.



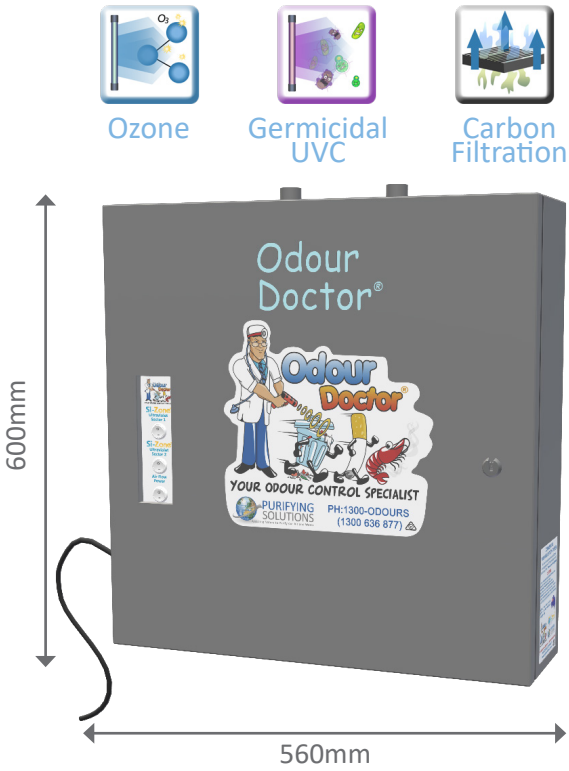
This illustration shows only one of many uses for this equipment.

Example: Treating a loading dock with bin storage area

The Odour Doctor® *Vapour* is wall mounted, preferably in a central location near the odour source, however this is not vital.

If needed, multiple scenting tanks can be connected to a single control system, to provide additional dispersion points throughout the treatment area.

Designed & Built in Australia



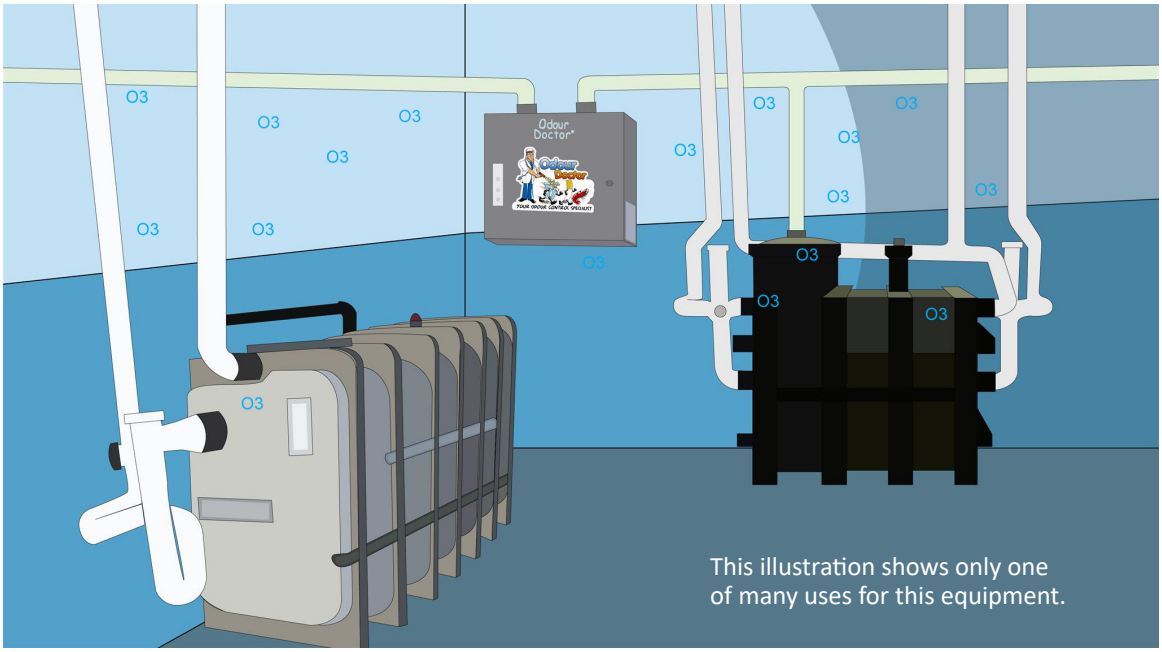
A cost effective and efficient commercial Ozone generator, with integrated Si-Zone® technology.

- **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 5-30 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.

Built here in Australia, the Odour Doctor® *Ozone* is rated for 24/7 continuous operation and is suitable for a wide range of commercial and semi-industrial applications, where a dedicated and reliable Ozone system is required. The Ozone output is easily adjustable to ensure correct ozone levels are maintained.



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 (grease arrestors).

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.

Designed & Built in Australia

TESTIMONIALS

Commercial Odour and Germicidal Control, since 2006.



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



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



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

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



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

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

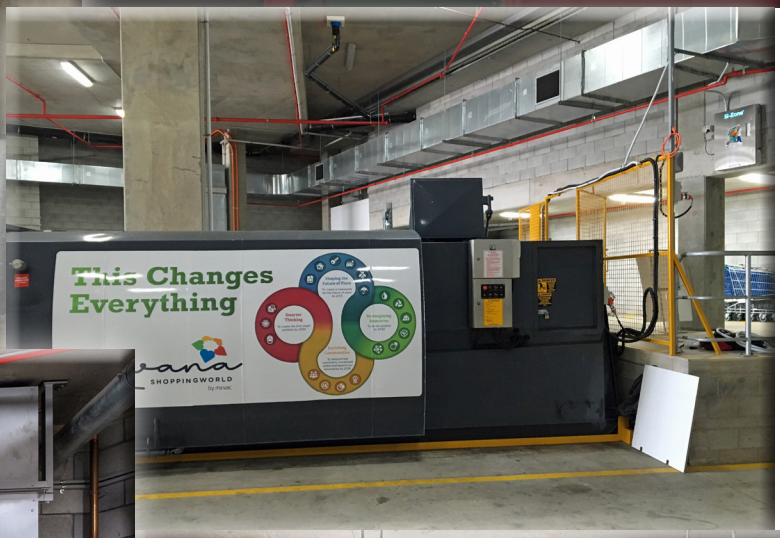
Installation Examples

Odour Control and Scenting















PURIFYING SOLUTIONS
Commercial Air Quality and Odour Control Services

Si-Zone
High Performance Ozone Technology

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

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

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