



FREQUENTLY ASKED QUESTIONS

What is Ozone?

Ozone is nature's sanitiser that is approximately 3000 times faster acting than chlorine at killing bacteria, fungus, mould and odour.

It is created naturally in the atmosphere when there is a lightning storm turning oxygen into ozone

The air we breathe consists of two oxygen molecules (O₂), during an electrical storm the electricity breaks these molecules apart into single molecules, that quickly join to another set of oxygen molecules forming (O₃) Ozone.

An ozone generator creates a small controlled electrical storm in a box (corona discharge) generating ozone that can be used in its gas form or can be injected into water.

Is Ozone Safe?

All New Zealand Ozone products meet or exceed New Zealand Health & safety requirements. Ozone is created naturally in the environment, and at low levels less than 100 PPB (parts per billion) is safe for human consumption. It is that clean fresh air smell after a thunderstorm or at the beach.

Can I get electrocuted by the ozone unit?

All products have been quality controlled and are safe to use. Always follow manufacturer's instructions and DO NOT open up the machine unless you are fully trained to do so.

How does Ozone control Birds & Insects?

Ozone is a respiratory irritant and under NZ health and safety recommendation should not exceed 100 PPB in the air that we breathe. Birds & insects have a much more delicate respiratory system that's threshold is much lower than a human. The ozone gas doesn't harm the birds or insects but creates an environment that they dislike, and they flee to less gaseous pastures.

Will Ozone effect my pets?

Pets such as Cats and Dogs will not be affected by low concentration of ozone and is a great tool to remove odours. It is not recommended that you have a gas unit

activated close to a bird aviary as they have delicate respiratory systems and may cause the bird distress.

Does Ozone have any health benefits?

Yes there many applications that ozone is used for in medical fraternities around the world, examples of this can be found by a simple internet search of "Ozone Therapy". New Zealand Ozone makes no medical claims and encourages anyone considering ozone for medical purposes to seek medical advice before use.

What is the ozone layer and how does generated ozone effect it?

The ozone layer is a layer of ozone that surrounds the earth in the earths stratosphere this layer protects the earth from harmful UV rays. It is created by UV (ultra violet) light breaking the Oxygen down into Ozone in a similar way to that of lightning in a thunderstorm. Concerns have been raised about the ozone layer being depleted and a hole forming increasing the likelihood of skin cancer and other UV related problems. The direct cause has been blamed on high levels of pollution and efforts have been made to reduce our carbon footprint and to limit CFC's that have a negative effect on the ozone layer. The use of Manufactured Ozone doesn't directly affect the ozone layer in the stratosphere, however the reduction in pollution and the use of harmful chemicals will have a positive effect on our environment in general which might indirectly help the situation.

I have heard negative things about Ozone

There are different types of ozone, one type is produced by car emissions and is harmful to the environment, this Ozone is harmful because it is a chemical by-product with lots of other chemical attached to it and it is these attachments that are harmful and not the ozone itself. Remember Ozone is simply three oxygen molecules joined together (O₃)