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O3 Air Unit



OZONE — O3

Ozone is a natural gas that we breathe daily. It is created when oxygen (O₂) molecules are split into two separate atoms by ultra violet radiation from the sun, lightning, and electric arc. The freed atoms recombine in 3-atom groups to form cousins of oxygen: ozone (O₃). The word ozone comes from the Greek word ozein meaning smell, because of its distinctive sun-ray lamp smell. Ozone is nature's way of cleaning pollution from our atmosphere.

Quality Without Compromise

This is a tough unit designed purely for cleaning air in buildings, rooms, office or manufacture environments.

Essentially 2 off the shelf O3 output options are offered and then the further option of a fully automated O3 sensor to regulate the O3 levels to a preset level.

When the unit is purchased without the O3 sensor, it can be provided with a timer switch so that the unit can be switched on and off in selected intervals to prevent harmful levels being reached.

These units can neutralize harmful air-borne particles, germs and bacteria.

For example, cigarette smoke has over 3,600 chemicals. Ozone will break those chemicals down into their basic molecular components, neutralizing them. It is capable of destroying tar, soot, benzene, vinyl chloride and other hydrocarbons. Having performed this task the ozone itself reverts to just plain oxygen.

Many doctors regularly warn about the dangers of air-borne gasses such as formaldehyde, carbon monoxide, and chemical pollutants given off by carpets, wallpaper, and furniture. Ozone breaks these gasses down, as an example when formaldehyde is infiltrated by ozone it breaks down into carbon dioxide, water and oxygen.

Solvents from fresh paint are instantly neutralized by ozone as are cooking smells,

Specifications

Input voltage: 230V±10% / 50Hz
Rated power ≤40W
Mounting: Wall Mount or Floor Standing
Efficient Area: Depends on use
Ozone function: A002O3 / 3g/h—No Sensor A004O3 / 3g/h—With Sensor
Product dimensions: 400 x 300 x 200 mm

animal odors, cigarette smoke, garbage smells and mildew, etc.

Perfect for getting rid of those nasty smells in a hotel room, bar or office.

The benefits are even greater for fresh fish and meat displays where the ozone gets rid of the smell and keeps these products fresher for longer by destroying the bacteria.

Other variations of this product can be offered with a connection point for Teflon tubing allowing the unit to be used for making ozonated oils, disinfecting bottles etc.

This unit is built in South Africa by Ozogen and incorporates best of breed O3 generation equipment that

has a 10 year MTBF design.

No maintenance or spares replacement is required within 2 year cycles.

The 2 year maintenance is purely the replacement of the O3 sensor tip and is not a costly exercise.

The standard housing is based on white powder coated aluminium but it is also possible to provide other colour options and stainless steel upon request.

This is a world leader product that out performs products 10x more expensive with all the bells & whistles.

Standard Available Units

A002O3	3g/h—S
A004O3	3g/h+ S

For more info:

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