

Frequently Asked Questions

What technology do we use, and how does it work ?!

The OXIRA XG and XN all work using the same technology – ultraviolet irradiation.

Air is sucked into the unit, the ultraviolet light treats the air, and then expelled out.

With the XG model, the UVC used is at 200-300nm wavelength, which deactivates the cells of viruses, bacteria, yeasts and fungi from the air.

With the XN model, the UVC used is at 185nm wavelength, which is also germicidal, but more importantly generates a steady stream of ozone.

How natural are these processes ?

UVC and Ozone are produced by mother-nature all the time. It is nature's way of cleaning our air.

Sunshine produces UVC, and thunderstorms produce ozone. OXIRA has packaged both of these natural processes into efficient, compact and safe units.

How are these OXIRA units different from the many products already in the market ?

OXIRA units have been designed specifically for the healthcare industry where simplicity and durability is of paramount importance. Most units out in the market are simply ionisers or dust filters. Whilst they are good at what they do, they are not ultraviolet units. OXIRA uses top quality german ultraviolet tubes to generate high quality UVC effects and/or ozone. OXIRA units have also been designed with multiple mounting options in mind, specifically wall and ceiling mounting. Tower stands are also available, or simply the units can be placed on any surface. OXIRA units have also been designed with as much safety as possible. The ultraviolet light is shielded as much as possible so that no light is in direct line of sight with the user's eyes. Many of the other products in the market do not place such safety as an importance.

What certification exists for germicidal ultraviolet ?

It is widely known that germicidal ultraviolet technology is effective, and have been a proven method for many years. In fact, none of the top ultraviolet manufacturers provide certification. However, to take an initiative, OXIRA has engaged the laboratory services of a top university in Australia, and a report can be produced if specifically requested. A report from The Haffkine Institute is also available. The Haffkine Institute was established in 1899 and is one of the world's oldest and advanced centre for disease control.

What is ozone good for ?

Ozone naturally breaks down odour particles in the air. This is why after a thunderstorm, the air smells so fresh.

Is ozone dangerous ?

It has been debated for a long time whether ozone is actually dangerous to health.

Certainly, the amount of ozone produced by the XN is significantly low enough not to trigger any health warnings. The most widely held belief is that at high levels it could be an irritant to sensitive people.

Therefore, if red teary eyes are detected, it is advisable to switch off the unit.

What are typical applications for the XG ?

Places of high public presence is always a good place for the XG.

This is because the fundamental purpose of this unit is to lower the germcount of the air.

Typical areas of interest are: Clinic Waiting Rooms, Mass Transport Areas, Restaurants, Bars and Cafes
Office Areas and Meeting Rooms

What are typical applications for the XN ?

Because this produces ozone (which may be an irritant), we need to be a bit more careful.

Places where there is a need to remove odours, are the best places to use the XN.

Typical areas of interest are: Hospital/AgedCare Laundry Rooms, Industrial/Commercial Garbage Areas

Where in a room can I place these ?

The XG and XN can be placed anywhere as long as it is not easily reached by the general public.

It should also not be placed near flammables, ie curtains, piles of paper, etc.

You may place the unit in an unreachable corner, or under a desk as long as it's uncluttered.

Also on top of tables and shelves.

Wall and ceiling brackets are also available for aesthetic mounting of units.

If wall or ceiling mounting, there are no definite rules with where the best position is. There are way too many different factors in a room that govern where the position should be. Probably the best advice is that it should be in a position where it is most pleasing to be seen. Secondly, it should be in a position where the treated air is not pushed out the window and wasted. Other factors are such that it should be in a safe place, and away from reach of children.

A lot of times, common sense and experience will be the best tools.

How large a room will these cover ?

As an extremely general answer, each XG/XN will cover approximately a space of 50 square meters.

However, at OXIRA we will tell you that there is never a correct answer for this question. The factors are extremely different from one room to another. These could include the amount of fresh air the room is receiving, the number of people and what they are doing, the characteristics of the ambient air, and so many other factors. But as a general sizing tool, any area larger than 50m² may require more than one unit. These units have been designed to be so compact, quiet and with a multitude of mounting options, that having a few in a large space still maintains the premium look of the place.

Can we use these at home ?

There is no harm using the XG at home, but it may not fully utilise the potential of the unit.

Remembering that this unit excels in places where there is a high concentration of people, where transmission of germs is high.

The home is usually quite sanitary already, so an XG may not be required.

Can we use these in an infant's or children's room ?

Under no circumstance should you place an OXIRA ultraviolet unit in a minor's room.

The concentration of treated air in such a small environment may have adverse effects.

Do these machines require a lot of power and are they eco-friendly ?

The X-Series operate on a very low wattage, often in the range of 10-20W.

This equates to roughly 40cents per month, assuming Australian standard tariff.

Do these units need maintenance and what about the warranty ?

Extremely high quality components have been hand-picked for these equipment.

To ensure optimum performance, these units should have an Annual Service carried out.

Furthermore, every ultraviolet tube has a lifespan of only 15,000 hours.

Although remain illuminated, the germicidal effect will be severely reduced.

A genuine replacement tube is fitted during the Annual Service.

A 12-month warranty on all equipment.

After an Annual Service, only the tube is covered by a new 12-month warranty.

What is the EasySwap Option ?

When the unit is up for an Annual Service, you have an option to swap the unit for a brand new one instead.

There will be a discount for doing so. The old unit will be destroyed in a responsible manner.