



Kitchen Extraction

DESIGN . MANUFACTURE . INSTALL . MAINTAIN



 **CK Direct**

Welcome to **CK Direct** Making a world of difference

CK Direct is an innovator in alternative green technologies; providing sustainable, energy conscious and cost-effective solutions that will make a real difference to the environment.

When the very future of our planet necessitates the need for cleaner air and cleaner water, CK Direct is pioneering solutions to reduce the cost and complexity of bacteria, pathogen and odour control.

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Revolutionising the **cleansing** **and purification** of the air extracted from restaurant kitchens.

A choice of two cooking extraction units for use in
restaurants of all sizes.

Significantly reducing the costs and time of in-line
filtration maintenance and cleaning.

AirTeck 64gex Slim TRIOXYGEN GENERATOR
AirTeck 10gex TRIOXYGEN GENERATOR

Full CE-ENC accreditation.

Independently approved CE-ENC accreditation:

EN 61000-6-3:2007+A1:2011

EN 61000-6-1:2007

EN 13725 – 2003 Odour Abatement

EN 13824-1 Grease Control



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AirTeck 64gex Slim TRIOXYGEN GENERATOR

The AirTeck 64GEX slim is one of a new generation of high efficiency trioxygen generator units.

- More compact casing
- Separate indicators for each generator, indicating if the generators are working or not
- Higher airflow
- Internal airflow sensor
- External Air Flow Meter-Interlock for trioxygen monitoring if required
- Externally serviceable air-filters.



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AirTeck 10gex TRIOXYGEN GENERATOR

The AirTeck 10GEX trioxygen generator unit, is similar in functionality to the 64gex slim but has been designed for use in smaller establishments.

- More compact casing
- Separate indicator for the generator, indicating if the generator is working or not
- External airflow meter
- External Air Flow Meter-Interlock for trioxygen monitoring if required
- Externally serviceable air-filters.



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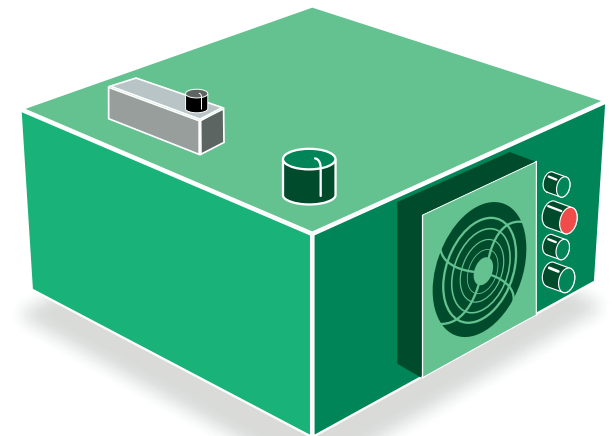
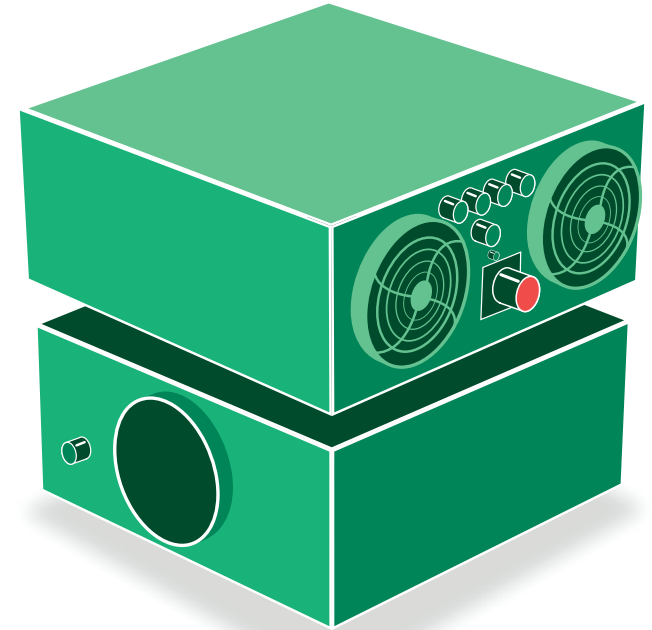
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The clean, green, mean machines

- The unit is quickly and easily installed between the extraction point and the exhaust fan, external to the ductwork
- Makes servicing and maintenance much easier
- The unit produces trioxygen that eliminates odours and grease by oxidising the pathogens in the air flow in the duct work. The unit is installed between the canopy and the fan
- The number of units is dependant on the type of cooking and the airflow. High fat foods typical in Asian cooking /Indian Cooking / Fast Food Burger Joints will need numerous units to combat the high fat levels.



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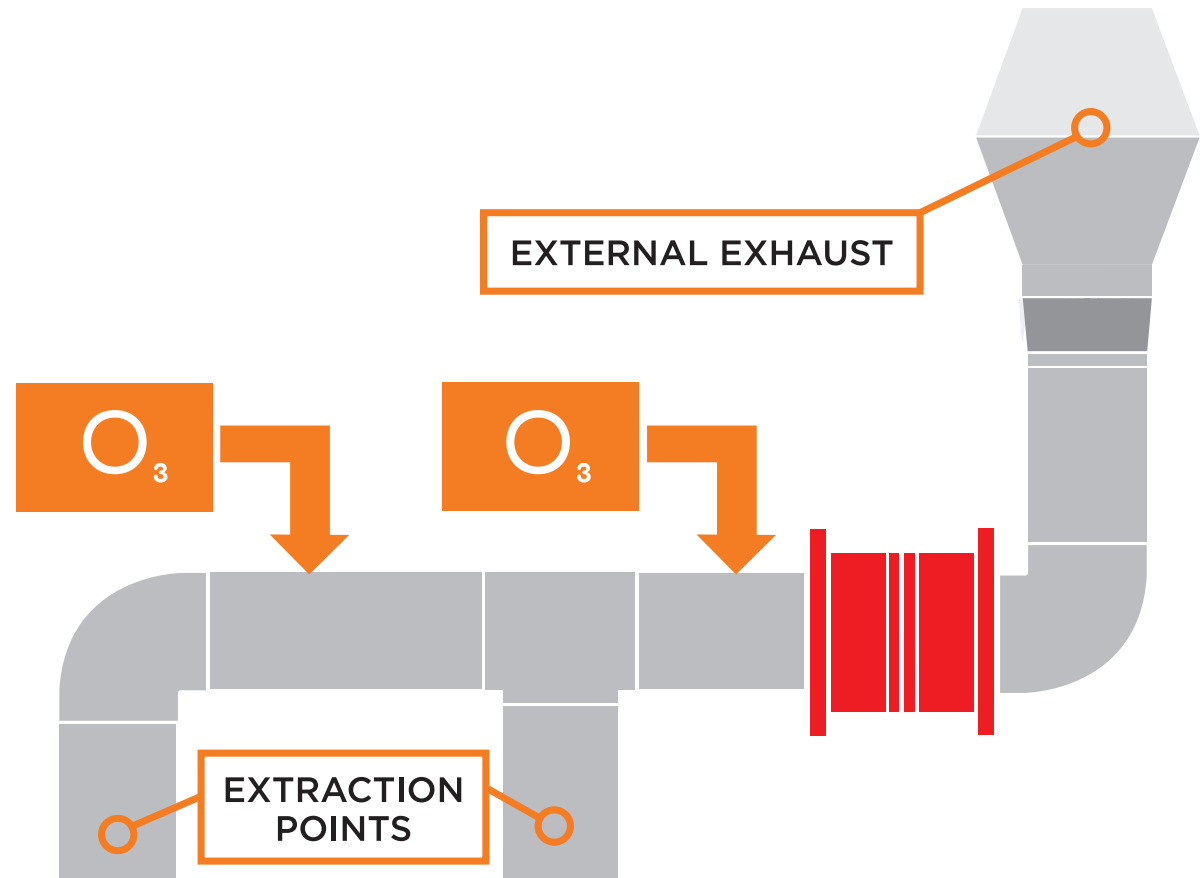
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Typical usage scenario

- Unit is installed external to the extraction duct work
- The trioxygen injection points are connected between the canopy and the fan
- The system has two safety features - an airflow switch and an interlock - the interlock is designed to connect trioxygen monitoring if required
- The airflow switch enables operation only when the fan is in operation.



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What is trioxxygen?

At the heart of CK Direct extraction unit technology is the production of trioxxygen. The air that we breathe is made up of two oxygen atoms – O_2 , we then add a third oxygen atom to create trioxxygen – O_3

- In the environment trioxxygen is known as ozone – Mother Nature's greatest cleanser
- The ozone layer protects the earth from harmful sunrays, and the clean, fresh smell you sense after a lightning storm is due to the ozone produced by the lightning
- In essence, we recreate the same effect as lightning to produce trioxxygen.



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What makes CK Direct trioxxygen extraction units *so much better?*

OUR MUNCHING
MOLECULE

SO SIMPLE

Ready to use instantly without expensive or complicated installation and maintenance

SO CLEAN

Trioxxygen is the most powerful oxidiser and steriliser known to man

SO GREEN

Trioxxygen is nature's way of cleansing and protecting and is 100% natural and pure

SO COST-EFFECTIVE

Easy to install, clean, service and maintain; the CK Direct trioxxygen generators effectively run on air with no expensive chemicals or filtration processes making the whole process incredibly efficient and cost-effective.



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Cleaner, purer kitchen extraction...
there is no comparison!

PRODUCT	AIRTECK 64 SLIM	ESP - 4500	CARBON TWIN BLOCK
COST PER UNIT	£2,699.00 INSTALLED	£5,500.00 INSTALLED	£2,500.00 INSTALLED
SERVICE COSTS	SERVICE COSTS £495.00 FOR 1-3 UNITS PLUS £50 FILTER COST PER UNIT TOTAL £545.00	SERVICE COSTS £3,400.00	SERVICE COSTS £1,600.00
TOTAL COST YEAR 1 CAPITAL & SERVICING	£3,244.00	£8,900.00	£4,100.00
TOTAL SERVICING COST OVER 5 YEARS	£2,725.00	£17,000.00	£8,000.00
TOTAL COST CAPITAL & SERVING OVER 5 YEARS	£5,424.00	£22,500.00	£10,500.00

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The real dangers of chemicals

'THE FIRE service has confirmed the 'chemical incident' in Abingdon that left four people in hospital yesterday was caused by cleaning products.' *June 25, 2019*

- The area was cordoned off after high levels of dangerous gases were identified
- Oxfordshire Fire and Rescue Service described the gases as 'toxic fumes' and said a man fell unconscious after being exposed
- High levels of carbon monoxide and hydrogen sulphide were detected by firefighters
- The fire service stated that a workman who was cleaning the kitchen extract system in a local curry house, passed out when exposed to gases produced from the industrial cleaning chemicals he was using
- Four people were taken to hospital.

Fire station manager Lee Swain warned: 'Mixing cleaning products can generate deadly gases, which can kill.'



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Safety

Trioxxygen is a strong oxidiser that is generally not harmful to humans at low concentrations, but is lethal to microorganisms such as bacteria.

Trioxxygen, like any other strong oxidising agent, can be harmful if not handled properly. Our website 'trioxxygen page' has specific information with guidelines and helpful data on how trioxxygen should be handled.



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Call our technical team

ANYTIME

Our products are manufactured and tested to the very highest standards so we are confident that if they are correctly used and maintained as instructed, they will be problem-free.

Whenever possible, machines will be repaired on site but if the machine needs to be taken away for repair, a replacement will be supplied if required.

Any repairs will be carried out to Original Equipment Manufacturer (OEM) standards and the machine returned as promptly as possible.



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Testimonial

'The site had a major issue with another local business who complained about the odours being created by the factory on a daily basis. With no actual odour control system in place, apart from simple HEPA filters; to avoid closure of the plant we had to invest significantly in a new air filtration system that would accommodate the complexities of our style of cooking. Based on market intelligence and information we decided to look at trioxygen, and after numerous meetings and discussion we decide to use the CK Direct cooking odour control trioxygen systems. 12 units were installed in October 2017 and the subsequent issues relating to odour have been completely eradicated. Thanks to CK Direct we have a happy EHO, happy local business partner and an excellent odour control system.'

Iceland Food Processing - Manchester, Supplied by
Nick Stone site engineer & H&S officer



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Sectors

Broadly speaking, CK Direct kitchen extraction falls into three categories, which accordingly define the sectors in which they are most commonly used.



CARE
HOMES



HOTELS &
RESTAURANTS



UNIVERSITIES &
SCHOOLS



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Customers using our technology

The ease of installation, flexibility and scalability of our kitchen extraction units has made them the choice of many leading, respected organisations and well-known high street names.



GORDON RAMSAY RESTAURANTS



HOLMES GROUP



Scobie McIntosh
BAKERY • CATERING • REFRIGERATION • COFFEE • VENDING

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Thank you!

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