

CK DIRECT XTRACT 2100 SERIES ODOUR CONTROL SYSTEM

Further to our earlier conversation we are pleased to be able to provide you with further information for the supply and delivery of the CK Direct Xtract 2100 Series to assist in the removal of general cooking odours.

Oxidation using ozone and activated oxygen ions is used to treat odour emissions from commercial and industrial kitchen processes

(DEFRA, 2005: Guidance on the Control of Odour and Noise from Commercial Kitchen Exhaust Systems).

The CK Direct Xtract has been specifically designed for use in commercial kitchens. The system injects ozone into the kitchen extraction canopy where it reacts with odours, grease and smoke. These polluting elements are oxidized in a chemical reaction which results in the production of carbon dioxide and water vapour.

The ozone itself is consumed during the process and is converted back into oxygen. The benefits of purchasing a CK Direct Xtract system over UV-type systems are as follows:-

- Low capital and running costs – up to 50% less than UV
- Ozone injection – adding negligible back pressure to the system
- Requires less energy to push air through the air handling system; also
- Less ductwork modifications

- The ozone tubes have a longer life and remain outside of the air stream so maintain efficiency
- Simple construction which makes ozone tubes fully recyclable
- Quick and easy low cost installation
- Compact , lightweight and quiet operation
- Optional self-diagnostic module

CKDirect

Ventilation & Extraction Solutions

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TECHNICAL INFORMATION

Model reference : Xtract 2100 series
Housing dimensions : 185mm Wide x 307mm High 343mm Long

A technical drawing can be provided upon request.
Housing material : Grade 304 stainless steel.

Volume flow rate : Average 2.0m³/s
Prefiltration grade : EU4 pleated panel
Pressure drop : N/A (ozone injection)
Weight of unit : 12Kg approx.
Access to ozone modules : Side access
Electrical requirements : 220V / 1 ph / 50Hz
Power requirements : <200W
Safety : Circuit breaker
Panel interlock
Maintenance contract : Quotation available on request
Replacement ozone tubes : £120.00 per tube
Availability : 4-6 weeks from receipt of official order.

Together with this letter I have attached the instruction booklet for the Xtract 2100 series. We would also note that for larger air volumes (greater than 4m³/s), we would recommend the 4200 series which comprises a Swiftpack housing designed for plant room operation. Again further technical information is enclosed with this letter.

I hope the above meets with your requirements however, should you require any further information please do not hesitate to contact me.

Assuring you of our close and prompt attention at all times.

Yours sincerely,

CK Direct Team