



Commercial Kitchen Extraction & Ventilation Systems Specialists
ESTABLISHED 2005

Icco
Unit 18, Brunswick Centre

KITCHEN EXTRACTION SYSTEM PROPOSAL

Customer Contact: Tamer Kamel (Ovelshield Ltd t/a ICCO)
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Ref:P76545

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Fan Rescue was asked to carry out a site survey and put together a proposal for the kitchen extraction at the above address.

Kitchen extraction, supply air and odour control filtration system

Above the cooking equipment a wall mounted type stainless steel extract canopy, 3000mm long x 1500mm wide, manufactured in 304 grade with external dull polish grain and internal stainless steel filter housing to removable/washable stainless steel baffle type grease filters, which are highly efficient at grease removal. Stainless steel splash back underneath of the canopy hood.

600x300mm extract Ductwork system from the canopy hood is to be connected to a, high odour filtration unit, the filtration system consists of 1x OC1 ozone odour control unit, 1x disposable pre-filter G4 (please see attached tech info), 2 No 24"x24"24" 50kg of extra duty carbon filter unit total carbon filter of 100kg & Casing (please see attached tech info), to give dwell time of 0.4 sec, the filtration unit will then be connected to a kitchen extract fan 450GBW/4 Helios (please see attached tech spec), Fan unit will then be connected using flexible connectors and mounted using anti-vibration rubber mountings to eliminate any noise and vibration levels, the fan unit will then be connected to 2 Acustica R026, 600mm long attenuator on either sides of the fan to achieve the insertion loss, the ductwork from the silencer will then go down one floor to the upper basement level, the ductwork will then exit the building and terminate flush with the external wall via a 600x300mm weather louver grill at the rear of the shop unit as shown on the drawing.

Fresh air kitchen supply and ventilation system to the dining area

Fresh air into the kitchen area and dining area will be provided by a pre filtered motorised system, ductwork from the existing weather louver grill will enter into the dining area and provide fresh air via air diffuser grills, the supply ductwork will then enter into the kitchen area and provide 85% air back into the kitchen area via air diffuser grill as shown on the drawing.

Extraction to the dining area and to the toilet area will be provided by a motorised system, extract ductwork system from the existing weather louver grill, as shown on the Drawing.

Kitchen extraction and ventilation system will be manufactured and installed subject to accordance with DW 172 specifications.

Attenuation has been selected so as to provide a system rating level of at least 10 dB(A) below the lowest existing background noise level for the proposed operating hours and when extrapolated to the nearest noise sensitive neighbouring residential property.

All electrical work to be to relevant standard with the fan interlocked to the filtration equipment so it cannot function independently.

We hope this is of assistance and await your further instruction.

Yours sincerely

Syfan Nakip

Operations Director