



Commercial Kitchen Extraction & Ventilation Systems Specialists  
ESTABLISHED 2005

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**121 Kentish Town Road  
London  
NW1 8PB**

**KITCHEN EXTRACTION SYSTEM PROPOSAL**

**Customer Contact:  
Telephone:  
Email:**

**Date:           25th January 2017**

**Quote Ref: P-746532**

**Fan rescue Ltd 39 Deer Park Way, Waltham Abbey, Essex EN9 3YN  
Tel: 020 308 2936 • E-mail: [enquiries@fanrescue.co.uk](mailto:enquiries@fanrescue.co.uk) • [www.fanrescue.co.uk](http://www.fanrescue.co.uk)  
VAT number: 906 9111 32  
Company Registered in England & Wales Number 5954579**

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, odour control filtration system**

Above the cooking equipment a stainless steel canopy , 3200mm long x 1200mm 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 wall cladding underneath of the canopy.

450mm Diameter Ductwork from the canopy hood will exit the building on to the flat roof to be connected to a high odour filtration unit the filtration system consist of 2x disposable pre-filter G4(Please see attached tech info ) 2 No 24"x24"24" 50kg of extra duty carbon filter unit & Casing ,(Please see attached technical info ) to give dwell time of 0.1 - 0.5 sec, the filter unit will then be connected to a Helios 450GBW/4/ extract fan unit (please see attached tech spec ) ,Fan unit will then be connected using flexible connectors and mounted using anti vibration rubber mountings, the fan unit will then be connected to a acoustica CP03-C-0500-2D, 1000mm long attenuator (Please see attached tech info) to eliminate any noise and vibration levels and to achieve the insertion loss, ductwork from silencer will then rise to the top of the building and terminate 1 meter above the eaves level via high velocity discharge nozzle as shown on the CAD drawing.

Fresh air supply to the kitchen area will be provided by a pre filtered motorised as shown on the CAD drawing , 315mm ductwork from the rear of the building will enter into the kitchen area to be connected to a 600 long silencer unit CP01-M40-060 (see attached tech info) , the silencer unit will then be connected to a Supply fan unit 90G2WL/4 , Fan unit will then be connected using flexible connectors and mounted using anti vibration rubber mountings , to eliminate any noise and vibration levels, the ductwork work from the fan will then distribute fresh air into the kitchen area via a 2 no of air diffuser grills as shown on the CAD drawing.

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

Attenuation has been selected so as to provide a system rating level of at least 5 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

**Irfan Nakip**  
Operations Director