



Commercial Kitchen Extraction And HVAC Systems Specialists
ESTABLISHED 2005

**Unit 27 Borough Parade
Chippenham
Wiltshire
SN15 3WL**

**KITCHEN EXTRACTION, KITCHEN FRESH AIR AND HIGH LEVEL ODOUR CONTROL SYSTEM
PROPOSAL**

Date: 09th February 2026

Ref: P1184587920

Fan rescue Ltd Ability House, Unit 129, 121 Brooker Road, Waltham Abbey EN9 1JH
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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 and ventilation system at the above address.

Kitchen extraction, kitchen fresh supply air and high level odour control filtration system

Kitchen extraction system

Above the cook line wall mounted type stainless steel kitchen extract canopy hood, 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, the hood will also include LED lighting system (electrical connections to the lights by others) 560mm dia kitchen Extract ductwork system with cleaning access hatches every 2 meters , the ductwork from the canopy hood the ductwork will be connected to a **high level** odour filtration unit as per the odour impact assessment OD657710, the circular ductwork will connect onto the filtration system consist of , 2 No disposable pre-filter G4 ,highly efficiently in removing filtering oil and grease particles , recommended to be replaced very 2 -3 weeks depending on the usage, 1No ESP 5000B to eliminate cooking smoke, grease and odour, the kitchen extract ductwork system, followed by air clean extra duty carbon filter unit & casing, carbon filters use panels of activated carbon to remove the malodorous gases within the commercial kitchen extract duct through the process of chemical adsorption, to give dwell time of 0.4sec recommended to be replaced every 6-12 months depending on the usage, from the filtration unit will then be connected onto the Kitchen extract fan unit HELIOS GBW 560/4, the fan will 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 1no R02-5-600 acoustica 600mm long attenuator after the fan unit to achieve the insertion loss required -10db, as per noise impact assessment provided by DAA group.attenuator's acoustic media shall be lined with 'melinex' to enable the kitchen extract system to be regularly steam cleaned. The ductwork will then change to a rectangular duct of 500mmx500mm and exit the side window and rise along the side wall and discharge 1 meter above the eaves via high velocity discharge nozzle to the side of the building as shown on the drawing.

Fresh Air kitchen supply system

Fresh air into the kitchen areas will be provided by a pre filtered motorised system, Ruck 315 E2 T21 supply fan unit will then be connected using flexible connectors and mounted using anti vibration rubber mountings and isolators to eliminate any noise and vibration levels, 1No R02-5-600 installed after the fan unit to achieve the insertion

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loss as per noise impact assessment provided by DAA Group, attenuator's acoustic media shall be lined with 'melinex' to enable the kitchen extract system to be regularly steam cleaned. 315mm circular air supply ductwork system will enter the kitchen areas and provide 85% air back into the kitchen areas via air diffusers grills as shown on the drawing.

Kitchen extraction, ventilation system will be manufactured and installed subject to in accordance with FGAS, BESA EMAQ/DEFRA guide for guidance on odour control Specification guide.

Attenuation has been selected by DAA Group 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.

Servicing

Above systems will be required to be serviced and maintained every 6 months in accordance with BESA TR19, Fan Rescue ltd will provide this service

Note: see attached all equipment specification sheets for further information on the proposed plant equipment.

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

Yours sincerely

Orfan Nakip

Operations Director



www.thebesa.com/HV020676/

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