



Commercial Kitchen Extraction & Ventilation Systems Specialists
ESTABLISHED 2005

117 Kentish Town Road
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Kitchen Extraction system proposal

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Kitchen extraction/3 stage filtration and air intake system proposal
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Fan Rescue Ltd
Registered Office 44C Leyton Industrial Village, Argall Way, London, E10 7QP
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Company Number 5954579 VAT Number 906911132

Above the cooking equipment in the prep kitchen, a stainless steel canopy with bulk head style lighting, 3000mm long x 1200mm wide; manufactured in 304 grade with external dull polish grain; internal stainless steel filter housing to removable/washable stainless steel baffle type grease filters (Stage 1 filtration) which are highly efficient at grease removal, the underside of the canopy, stainless steel wall cladding will be fitted.

450mm x 450mm ductwork from the canopy will be connect to a high odour filtration unit, carbon filter unit, with a built in disposable pre-filter G4 (Stage 2 filtration). Recommended to be replaced once every 3-4 weeks, depending in usage; 50kg, of (1No 24" x 24" x24") extra duty active carbon to remove odour. Carbon cells mounted / housed in the external duct riser with dwell time of 0.1 - 0.5 seconds; Disposable to be replaced every 12 months (Stage 3 filtration) please see attached tech files on the filters. The filter box will then connect to a 500GBW /4/4 Helios extract fan unit, please see attached tech spec on the fan unit. The Fan unit will be connected using flexible connectors on either side of the fan, which will be mounted on to a anti vibration platform to eliminate any noise and vibration levels, 1 No off 500 long silencer acoustica CP03-CA-0500-1D will be connected just after the fan unit, the 450mm ductwork from the silencer unit will then exit the building on to the flat roof and rise to the top of the building and terminate 1 meter above the eaves level via discharge as shown on the CAD drawing.

Note : please see all attached spec sheets for the equipment.

Make up air will be provided via motorised system, ductwork from the fan unit airflow 102H2WL/4, will connect to the air intake plenum on the canopy and provide makeup air in to the kitchen area from the perforated front fascia of the canopy as shown on the CAD drawing.

Ductwork system will be manufactured and installed subject to in accordance with DW 144/171 specifications.

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Parts

1 x 3000 mm x 1200mm stainless steel kitchen extract canopy built-in, complete with removable, washable grease filters and Stainless steel wall cladding on wall below the canopy.

1 x 500GBW/4/4 Helios extract fan unit

1 x Speed controller

1x 500mm long silencer acoustica CP03-CA-0500-1D

1 x 24"x24"x24" Extra duty 50kg Carbon Filter

1 x Carbon filter casing box built in with a pre filter section

1x pre filter

1x approx 4 Metres of square 450x450 ductwork system

1 x approx 10 metres 450mm spiral kitchen extract ductwork system for out side

2 x Duct reducers

2 x 90 degree ductwork bends

2x 45 degree Ductwork bends

2 x Flexible ductwork connectors

1 x Discharge nozzle

Air intake system

1x airflow 102H2WL/4 air intake fan unit

1x acoustic fan unit builtin with pre filter section

1x pre filter

1x approx 7 meters of 250mm air intake ductwork system

1x Weather Louver Grill

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

Yours sincerely

Irfan Nakip
Operations Director

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