

Bonded Warehouse, Manchester

Level 2 Kitchen Ventilation System

From	Jordan Price – Crookes Walker Consulting
To	Ed Snaith – Allied London
Date	09.11.2022
Signed	J. Price

To whom it may concern,

We can confirm that the installed Kitchen recirculation ventilation equipment installed in the Level 2 Kitchen area of at Bonded Warehouse complies with planning condition 3 detailed below.

Condition 3:

'3) Fume/Odours discharge

Fumes, vapours and odours from any kitchen areas used for cooking shall be extracted and discharged from the premises in accordance with a scheme to be submitted to and approved in writing by the City Council as local planning authority before the kitchen/ cooking use commences; any works approved shall be implemented before the use commences.

Mixed use schemes shall ensure provision for internal ducting in risers that terminate at roof level. Schemes that are outside the scope of such developments shall ensure that flues terminate at least 1m above the eave level and/or any openable windows/ventilation intakes of nearby properties.

Upon completion of the installation of extract equipment and before the kitchen/ cooking use commences, a verification report will be required to validate that the work undertaken throughout the development conforms to the recommendations and requirements in the odour statement report and subject to additional requirements set out below. The report shall also include photographs of the filters and odour abatement in situ within the ductwork before being boxed along with a diagram and photographs of the inspection access hatches.

Any instances of non-conformity with the recommendations in the report or approved measures shall be detailed along with any measures required to ensure compliance with the agreed criteria.'

Details of the installed system can be found below:

The sections below are taken from EMAQ Control of Odour and Noise from Commercial Kitchen Exhaust Systems document – Appendix 2.

General ventilation air into the kitchen is provided by a separate mechanical supply and extract heat recovery system.

The installed kitchen ventilation system is recirculation only and does not require a ducted connection to outside. No photographs of the filters and odour abatement in situ are therefore available for inclusion in this report.

1. Information on premises

Level 2
Bonded Warehouse
18 Lower Byrom Street
Manchester
M3 4AP

2. Plan and drawings

The following drawings show the information required:

- MCE Drawing No. DS8961 – Preliminary kitchen extract layout drawing identifying the kitchen recirculation extract system location.
- Solutions Environmental Drawing SE4508/JH/M07 – General ventilation drawing identifying the external louvres for general kitchen supply and extract ventilation. No Louvres are required for dirty kitchen exhaust ventilation.

3. Pre-filters

- To be provided - Yes
- Manufacturer: Britannia
- G4 Pre Filters
- Aluminium Baffle Filters

4. Electrostatic precipitators

- N/A

5. Carbon Filters

- To be provided – Yes
- Manufacturer: Britannia
- Filter name – Unknown
- No of Filters – Unknown
- Dwell time – Unknown

6. Odour counteractant – Not Provided

7. UV-C system – Not Provided

8. Odour counteractant – Not Provided

9. Cooker hood

Manufacturer: Britannia

Model: REGEN Recirculation Ventless Cooker Hood

System Description: Recirculation kitchen ventilation unit. No dirty kitchen exhaust vents are required to be ducted externally. Incorporates 4 Stage Grease filtration. Filters to be replaced on a regular basis, timescales dependant on amount of kitchen usage.

10. System Operation

- Extract rates – Unknown, Recirculation only unit. No exhaust connection required.

11. Flue Design – Not Applicable

12. Noise Breakout

Not Applicable to this project. Unit is internal only with no exhaust.

13. Maintenance

- Cleaning of washable filters – Regularly, <1 Week.

- Frequency of inspection and replacement – Initial inspection should be within 3 months; subsequent inspections/replacements could be extended to 6 months dependant on conditions of filters.
- Inspection and services of fans – 12 months

Photographs of installed equipment

