

Fairfax, Manchester – Amenity Spaces

For the attention of Day Architects –

All kitchen spaces across the amenity areas will have residential type cooking equipment and recirculation cooker hoods to remove odours/fumes/vapours. There are only two spaces where a kitchen hob has been installed within an amenity space to enable cooking and this is the Block 1 ground floor private dining space and the Block 1 level 29 private dining space.

Both Block 1 private dining spaces will utilise a recirculating kitchen extract hood. The integral extract fans will draw any fumes and vapours into the hood where it will pass over a carbon filter to remove any smells or odours. The extract air is then supplied back into the room at high level.

The Department for Environment, Food & Rural Affairs (DEFRA) document “Guidance on the control of odour and noise from commercial kitchen exhaust” was withdrawn in 2017 and has been partly replaced by another guidance document – “Nuisance smells: How councils deal with complaints.” As both amenity kitchen spaces do not exhaust to atmosphere there are no nuisance smells being generated that would affect neighbouring properties. The integral carbon filter will reduce the impact of smells and odours within the private dining spaces when used by the occupants. Management may have to demonstrate the use of the cooker hood to occupants as this will likely differ from the units installed in apartments and so people will be unfamiliar on how to best use the extract hood. Occupants must be encouraged to increase the fan speed of the cooker hood when several items are being cooked simultaneously as this will reduce the risk of odours lingering.

As we are using a domestic type recirculating cooker hood there a large variety of manufacturers available that are suitable for the amenity spaces. Final selection can be made to ensure that a sufficient flowrate is achieved to suit the space. As an example, a Bosch wall mounted clear glass cooker hood has been chosen. Air flow at the minimum setting is 220m³/h which increases up to 550m³/h when in boost or intensive mode. Airborne acoustical A-weight sound power emissions at minimum are 46dB which goes up to 65dB on boost setting.

Measurements in mm
Appliance in circulated air mode

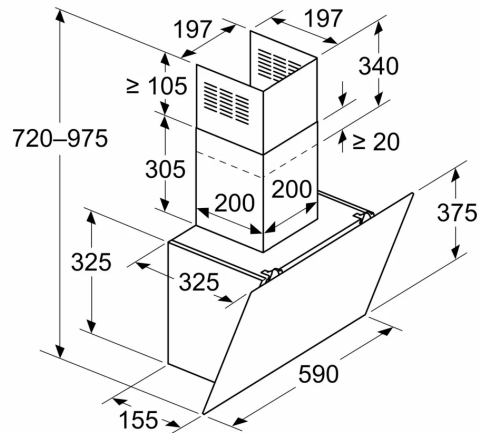


Figure 1 - Example Domestic Type Cooker Hood

If this example cooker hood is used by occupants whilst cooking is taking place, then smells and vapour will be drawn away from the hob, passed through the filter and then supplied back into the space. Correct use of the cooker hood will ensure that odours and vapour do not impact any of the furniture and finishes within the spaces.

Regards

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