

Kitchen Extraction System:

One stainless steel kitchen extract canopy hood, manufactured in **304 grade** with an external dull polish grain and internal stainless steel filter housing.

The hood will have removable/washable stainless steel baffle type grease filters for efficient grease removal.

Ductwork connecting the extract canopy hood to a high-level odour filtration unit.

The filtration system consists of a **Rydair 5000B** with UV zone lighting technology system designed to eliminate cooking smoke, grease, and odours.

The filtration unit will connect to a Kitchen extract fan unit, **560GBW/4 Helios**, which uses flexible connectors and anti-vibration rubber mountings and isolators to minimize noise and vibration.

An **Acoustica R02-3** attenuator installed after the fan unit to achieve an insertion loss of -10 dBa.

The circular kitchen extract ductwork system exits the rear of the building, rises vertically above the eaves of the building.

Fresh Air Kitchen Supply System:

Fresh air will be supplied to the kitchen area by a pre-filtered motorized system, **airflow 102GWL2**.

The supply fan unit will also use flexible connectors and anti-vibration rubber mountings and isolators.

Acoustica R02-3 attenuators installed after the fan unit to achieve an insertion loss of -10 dBa.

A 315mm circular air supply ductwork system will enter the kitchen areas, providing 85% air back via air diffuser grills.

The entire system will be manufactured and installed in accordance with BESA DW 172/144 specifications and EMAQ+ 2018 specifications Guide.