Kitchen Gas Safety System – Specification

The gas ventilation/gas interlock system to comply with AS/NZS 5601.1.2013 and DW172 – Edition 2 shall be manufactured and supplied by Oceania Gas Safety [info@oceaniagassafety.com](mailto:info@oceaniagassafety.com) Tel: +64212386990

The model to be supplied is the Merlin 2000S System which is 178mm (height) x 254mm (length) x 62mm (depth) and this will come with a gas pressure transducer to carry out a gas proving test on all the downstream appliances. The Merlin 2000S System also has the ability to interlock with 4 fans, in the event the ventilation is not operating then the gas solenoid valve will be closed.

The Merlin CO2X Monitor has a screen to show the concentration of CO2 in the kitchen area. It also has a low, medium and high level LED to suggest when the ventilation should be increased. In the event where the CO2 rises above 4500ppm the gas solenoid valve should close and the panel go into “CO2 High” alarm.

1 x Merlin 2000S System

1 x Merlin CO2X Monitor (4500ppm)

1 x Merlin PM2+ Current Monitor

1 x Goldseal Gas Solenoid Valve (Size TBC)

1 x Emergency Knock-Off Button

There should be a means of isolation by each main exit and any emergency knock-off buttons should be connected with the gas safety system.

Also connections can be made to the fire alarm and BMS to shut the gas solenoid valve in the event of a genuine alarm.