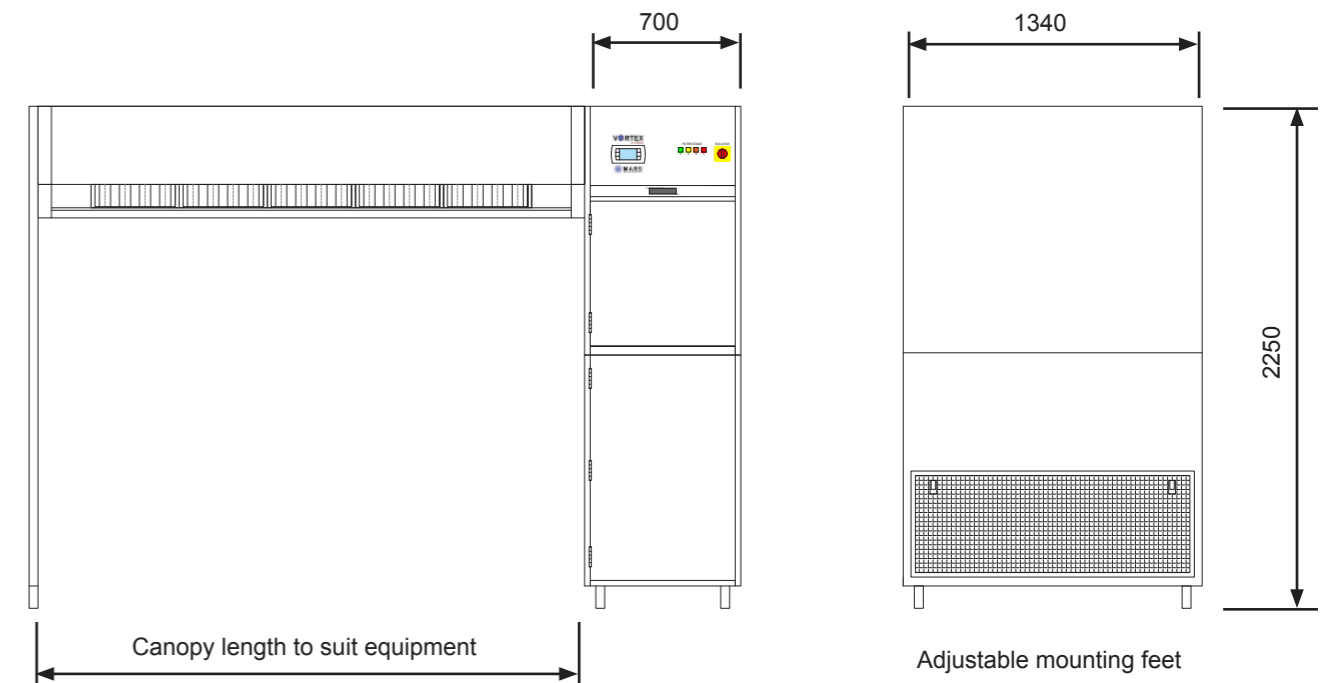




The self contained kitchen ventilation system that requires no ductwork



Technical Information:

Stages of filtration:

- Stage 1 Vortex high efficiency baffle filters in canopy
- Stage 2 G4 particulate Filter
- Stage 3 F6 pocket filter units
- Stage 4 H10 HEPA filter
- Stage 5 Activated carbon filters

Extract Volume: Up to 1.2m³/s

Electrical Details:

- Fan voltage 3 phase 380-480v
- Frequency 50/60Hz
- Input power 3.3kW
- Current 4.8A



Learn more about our wide range of kitchen ventilation solutions, on our website. Or why not arrange one of our free CIBSE approved CPD seminars where you can learn all about the developments in our industry.

Our policy is one of continuous product development and we reserve the right to change size and specifications at any time and without notice.



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M.A.R.S *The self contained kitchen ventilation system*

Mars is the self contained kitchen ventilation system from Vortex, that does not require extract ductwork ventilating to atmosphere.

The unit comprises of an extract canopy with a dedicated services tower at one end. The tower has an integral fan and additional stages of filtration to clean the air before being introduced back into the kitchen through low level diffusers.



- Needs no ductwork to atmosphere
- Freestanding unit, Plug and Play
- No wall or roof penetrations needed
- Integral services tower with filters & fan
- Controls monitoring package
- Tower can be located either end
- Optional rear splashback wall cladding
- Range of sizes and extract volumes
- Keeps fire risk contained within kitchen

Principal of operation

Grease laden air from the cooking process passes through stage 1 the Vortex baffle filters, removing the majority of large particulate from the airstream.

From here it flows into the tower and passes through filter stages 2-5 to remove increasingly fine particulate & odour, before being discharged back into the room at low level.



Features

- Noise levels minimised by insulated tower
- Integral recessed low energy LED lighting
- Controls with filter monitoring package
- Supplied with 5 metre cable and 3 phase plug
- Easy to maintain system- housed in one unit with full access to removable components

Stages of Filtration:

- Stage 1 Vortex high efficiency baffle filters
- Stage 2 G4 – Particulate Filter
- Stage 3 F6 – Pocket filter units
- Stage 4 H10 – HEPA filter units
- Stage 5 Activated Carbon filters

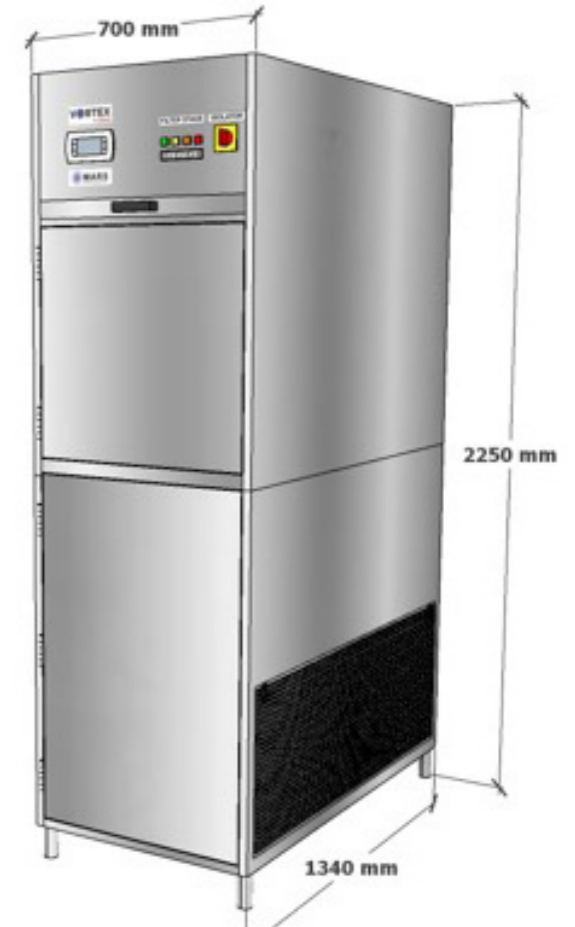
MARS Controls package

The control panel will be set for optimum performance over the cooking range. For ease of operation there are just 2 settings:

Prep- power on, low level extraction, & lighting.

Cook- pre-set extraction level to provide the correct air movement for the equipment below.

The panel will also indicate filter state, with colour changing display to visually inform operators of filter performance and requirement to replace.



Important Notes:

Due to the requirements of gas regulations, MARS can only be used to ventilate electrically powered cooking equipment.

MARS does not include equipment to reduce the extracted air temperature, therefore consideration should be given to provide cooling within the kitchen area.

Whilst the unit does not directly require ductwork to atmosphere, it is good practice to provide some background ventilation within the kitchen. MARS is ideal for use over light to medium output cooking equipment.

VORTEX
by CORSAIR



Want to learn more ?

We offer a CIBSE approved seminar on the subject of kitchen ventilation design where you can learn about the latest developments and regulations.

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