

PRINCE OF WALES DRIVE

BATTERSEA · LONDON SW11

VENTILATION USER GUIDE



CILANTRO

MEP ENGINEERING CONTRACTORS

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1.1 MEV Air Extraction Services

The Mechanical Extract Ventilator (MEV) unit is designed to remove moist/stale air from 'wet' areas around the home and is installed behind an access hatch at ceiling level. Extraction takes place via ceiling mounted valves within the utility cupboard, kitchen and bathroom areas.

Extract valves are set in place during the commissioning process and must not be adjusted.



Figure 2.1A - The MEV Unit
Make: Vent Axia - Model: MVDC-MS(H)



Figure 2.1B - An Extract Valve
Make: Waterloo - Model: VB/125

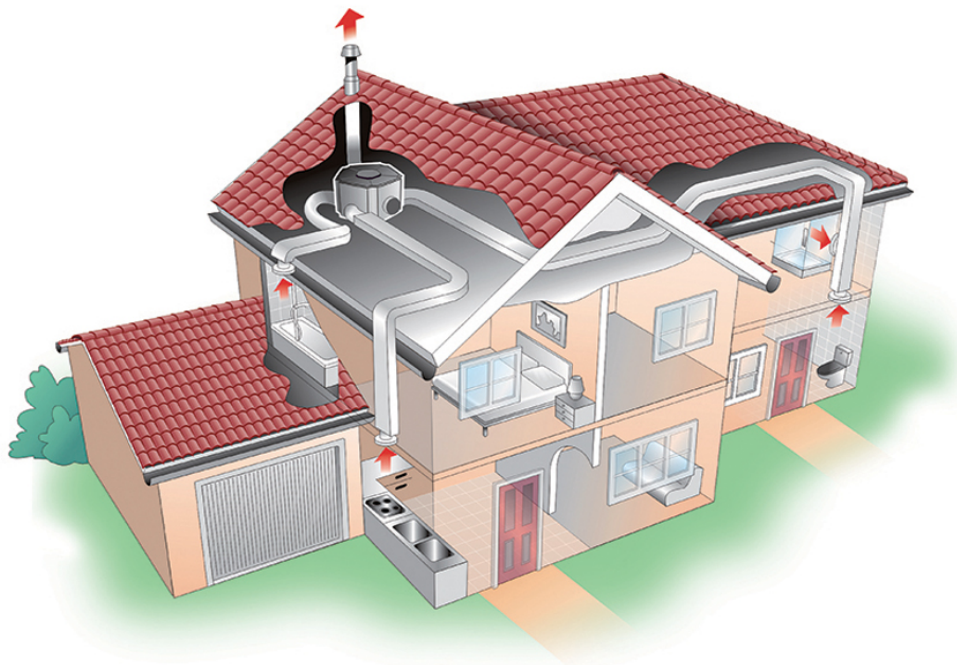


Figure 2.1C - An MEV Schematic Diagram

1.2 MEV Operating Modes

The MEV is designed to run automatically, and on a 24/7 basis. It does not require any ongoing adjustments or filter changes.

'Trickle' Mode

This standard operating mode provides a constant, low-speed extraction service whilst minimising noise output. Working in tandem with the natural fresh air inlet, trickle mode is designed to ensure constant air movement within the property (without the need for open windows).

'Boost' Mode

Boost Mode will activate when the bathroom or kitchen light switch is in the 'on' position. The MEV unit will operate at increased speed to ensure any additional warm/moist air is removed efficiently.

2.3 Fresh Air Inlet

Fresh air is supplied through an external inlet, which is ducted to ceiling mounted supply valves around the home. These valves, which are similar in appearance to the extract models, are located within all rooms. The fresh air inlet is not connected to the MEV unit and operates by entirely natural means.



Figure 2.3A - A Supply Air Valve
Make: Waterloo - Model: VA/125

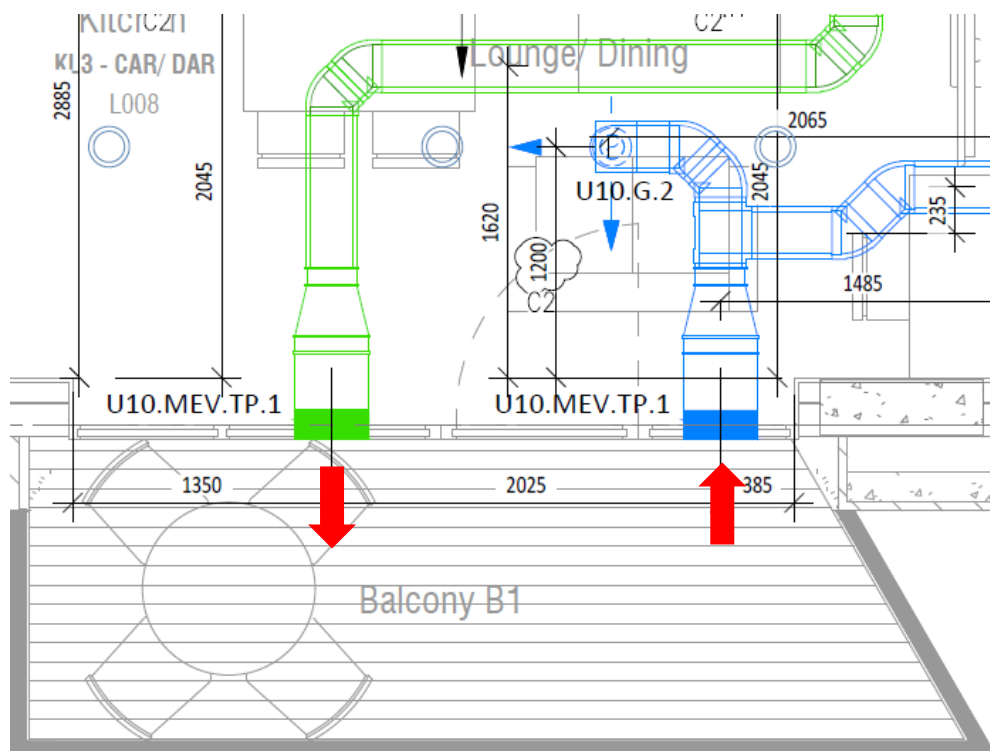


Figure 2.3B - A typical MEV exhaust ductwork (green) and fresh air inlet ductwork (blue) arrangement at Prince of Wales Drive.