

MRV – M.A.R.V.E.L. Demand control ventilation (ETL)



Overview

M.A.R.V.E.L.⁽¹⁾ is the first truly intelligent and responsive Demand Control Ventilation system (DCV).

M.A.R.V.E.L. « scans » the surface of the cooking equipment to determine, in real-time, the status of the appliances: switched off, idle or in the process of cooking. Each status corresponds to a different exhaust airflow need. The maximum value is used only in cooking mode, for a limited time period. This leads to a first drastic reduction of exhaust airflows.

M.A.R.V.E.L. has the unique ability to adjust the exhaust airflow hood by hood and in a fully independent way. If just one cooking range is operating, only the airflow for that hood concerned will be automatically adjusted. The other hoods will continue to operate at a low flow rate. It works the same way with the zones of a ventilated ceiling. This ability further reduces the exhaust airflows.

The icing on the cake: **M.A.R.V.E.L.** continually regulates the speed of the fans to obtain the required rate with minimal pressure. Power consumption is thus kept to the bare minimum.

M.A.R.V.E.L. currently represents the most efficient Demand Control Ventilation system with massive financial savings on air conditioning and on the electrical consumption of the fans.

