

Engineering Opinion – Cupree Cool

Rusden Consulting Engineers have made an inspection and assessment of proposed ventilation to combat heat build up from the condenser section of the Cupree range of boiling and chilled appliances.

The concept of mechanically ventilating the joinery cupboard space containing the Cupree equipment should prevent unnecessary compressor run time compared to not ventilating such a space. This will reduce energy costs and increase compressor life.

The method of ventilation relies on drawing room air in at the base of the joinery cupboard space, and drawing exhaust air from high level within the same space with ducted discharge. This will ensure the lowest possible temperatures within the joinery cupboard space.

The use of a centrifugal fan ensures that static pressures of up to 150Pa can be handled, and is suitable for cooling equipment in an enclosure through which air cannot flow easily.

In our opinion the Cupree ventilation system is based on sound engineering principles and should help to reduce energy consumption and increase equipment life.



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