

Exhaust and Ventilation Equipment

For health and hygiene reasons the rooms in which we live and work must be ventilated. Our lungs require air to be free from smoke, steam, carbon dioxide, toxic fumes, and other pollutants, and our sense of smell requires air that does not carry unpleasant odours. In addition, polluted air can damage the contents of rooms such as furniture, carpets and paint.

The only solution is to expel polluted or stagnant air and replace it with clean air. This can be carried out electrically by installing an extraction (exhaust) fan that can change the air gradually and comfortably.

Exhaust and Ventilation Equipment shall:

- Comply with AS/NZS 60335.2.80 (Household and Similar Electrical Appliances - Safety - Particular Requirements for Fans)
- Utilise IP66 rated Clipsal 2000 or C2000 Series switches to comply with AS 60529 for damp environments
- Have axial designs installed in 'free air to free air' applications (e.g. exhausting into ceiling cavities or outside the building). Some specific axial designs can be installed 'in-line', where duct losses can be kept to a minimum
- Have centrifugal fans as the first choice where ducting is required. Aim to keep ducting, elbows and bends to minimise air losses
- Work efficiently when 'return air' is available via a door vent or open window
- Be located as far away as possible from the return air source (e.g. opposite side of the room)
- Be located as high as possible within a room
- Have continuously rated ball-bearing motors
- Where required be supplied with an integral light as per Airflow 6300ATP
- Be Airflow, Clipsal or O.erre design.

Cooling Fans

Airflow Reversible Ceiling Sweep Fans provide annual comfort by circulating a gentle cooling breeze in summer and directing the warm air that rises from heaters in winter back down into the room where it's needed most. With warm air being better circulated around the room, heating can usually be set at a lower setting to help reduce winter heating bills.

Cooling Fans shall:

- Have three, four or five blades
- Blades will be in either a timber/rattan look, aluminium or stainless steel finishes
- Have three speed capacitor controllers mounted on Clipsal 2000 Series plates or be controlled via a three-speed infrared remote control
- Be light adaptable
- Where required, have remote control operation to control fan speed, switch or dim lights
- Be adapted to extension down-rods when fitted on to high ceilings
- Have reverse switching on fan motor (unless remote control version)
- Be pre-wired and part assembled
- Have J-Hook or Hang Sure mounting options