

# Canopy and Rangehood Installation Tips

## Maximum extraction capabilities

To achieve high extraction capabilities there must be a similar flow of "Return Air" from outside the cooking area. This may be the natural flow of air through open windows or doors.

Alternatively, you can use strategically placed inlet vents to provide airflow which will further assist extraction from the kitchen.

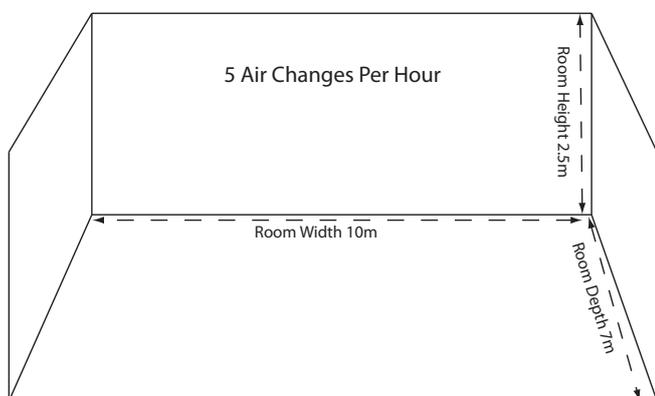
Recirculating with an odour filter is less efficient than external venting since the carbon filter impedes airflow through the unit. Recirculating without the odour filter removes grease but simply returns the stale odours to the kitchen area.

To work effectively, your ventilation unit should change the air in your kitchen 5 times per hour. To see if your unit meets this requirement calculate out the amount of space in your kitchen in cubic metres (depth x width x height) and check that the performance figure for your ventilation unit is five times this figure.

### Example:

If the size of the room has a width of 10m, a depth of 7m and has a height of 2.5m, then the formula will be:  $10 \times 7 \times 2.5 \times 5 = 875^3/\text{hour}$

The minimum extraction rate that is required is then 875<sup>3</sup>/hour. You will find the extraction rate described on each ventilation product.



**Formula:**  
**Width x Depth x Height x 5 =**  
**Minimum Extraction Rate Required**

## Ducting components for external exhaust

Use only ducting suitable for the venting of kitchen exhaust fumes. Parmco Sales has a comprehensive range of ducting components available (see Ducting page 75 or 77).

For optimum efficiency, use only short smooth exhaust ducting with minimal bends. For example, each 90 degree bend equals approximately 5 metres of smooth bore ducting. Flexible ducting or ducting without a smooth bore may have an adverse effect on airflow performance.

Ideally, total ducting length including bends should not be more than 15 metres of 150mm or larger diameter ducting.

Always ensure that ducting from the motor housing or remote motor mount is not restricted by studs or floor joists.

## Outlets

Never discharge exhaust air into a chimney or flue that may carry combustion products from other sources. Do not discharge into a wall cavity unless the cavity is designed for that purpose.

When installing a rangehood above a gas or electric cooktop appliance, all the relevant New Zealand building, installation and regulation standards including NZS 5261 must be adhered to.

## Use and care of Canopy or Rangehood

- Always disconnect the electrical supply before cleaning or servicing
- Frequently remove and clean the grease filters
- Do not use corrosive, alkali or alcohol based cleaners
- Replace the filters when dry
- Do not put powder coated grills in the dishwasher
- After cooking, keep the Canopy/ Rangehood turned on for another 10-15 minutes to completely rid the room of cooking odours
- Do not operate the unit without the filter correctly installed
- Follow the instructions supplied with your Canopy or Rangehood