



# AlfrescoPlus™

## Outdoor Kitchen

Pre-Installation Program Guide

## Planning and location of water, waste, power and gas services.

Preparing and checking the installation location is important to ensure the modular kitchen assembly and installation is as smooth as possible.

Ideally the floor surface should be level, clean and suitable for the cabinet installation along with water, waste, power and gas services, being able to be roughed in and compliant with all required Australian standards.

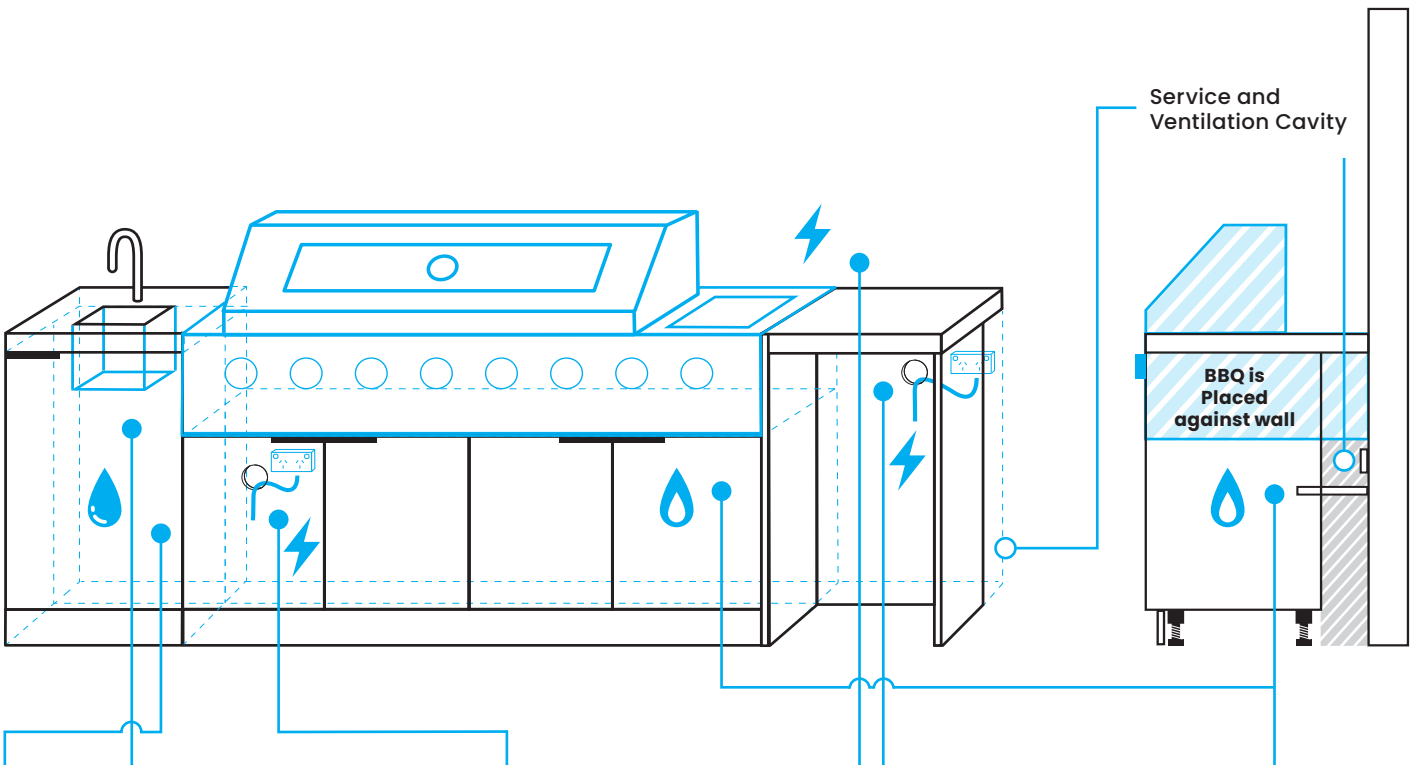
The services being roughed in should be left long enough to enable them to be fitted off inside the relevant cabinets after they have been installed.

Your design and layout of your outdoor kitchen will dictate where you will need to install all relevant water, waste, power and gas services.

**\*Note: All plumbing and electrical work must be done by a registered trades person**

### Front view

### Side view



#### HOT & COLD WATER

Ideally centralised in the Sink Cabinet

**650mm**  
Above Floor Level

**200mm**  
From Back Wall

#### WASTE

This can be through the base or back of the Sink Cabinet

**300mm**  
Above Floor Level

**350mm**  
From Back Wall

#### ELECTRICAL - BBQ

Most BBQ's have lights and may require 240V power.

This is best located on the back left hand side as high as possible.

**500mm**  
From Floor Level

**300mm**  
From Back Wall

to allow for a connection

#### ELECTRICAL - FRIDGE & APPLIANCE

The fridge requires 240V Power.

If the power point is mounted in the fridge module, the plug on the fridge may need to be changed to a side entry plug to allow the fridge to be pushed back into the cabinet.

The preferred method is to have the power point in the cabinet module next to the fridge.

Cut a hole 50mm diameter in the fridge module to allow for plug access.

You may require power for a Rotisserie or other electrical appliance above your benchtop working surface.

#### GAS PIPE

**500mm**  
From Floor Level

**200mm**  
From Side Cabinet

**200mm**  
From Back Wall

Currently for residential premises, barbecues are certified under a domestic appliance standard and classified as outdoor appliances. An outdoor area is considered to be open to natural ventilation.

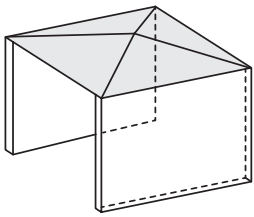
## Natural ventilation requirements

### When is an alfresco considered 'outdoors'?

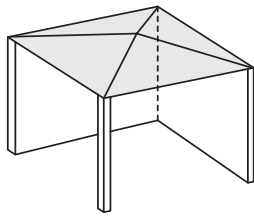
A covered alfresco area is considered outdoors when it is an open-air situation with natural ventilation.

- If the alfresco meets the below minimum requirements, it is considered that natural ventilation is provided and an outdoor domestic BBQ may be used.
- If the alfresco does not meet the below minimum requirements, it is considered an enclosed alfresco and additional requirements must be satisfied.
- For additional information, see Energy Safety publication – "Safe locations for using barbecues and gas patio heaters".

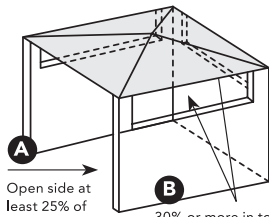
#### Compliant examples:



- Not more than:
- Two parallel walls with a covered roof.

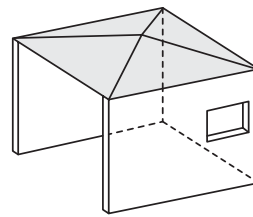


- Not more than:
- Two walls at right angles with a covered roof.

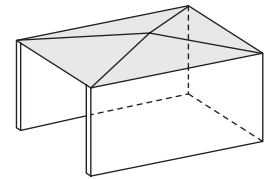


- Not more than:
- Three walls, with the one open side being at least 25% of the total perimeter (A).
  - The remaining three walls having an area of 30% or more of unrestricted opening (B).

#### Non-compliant examples:



- Remaining 3 walls do not have 30% or more of unrestricted opening.



- Open side is less than 25% of the total perimeter.

**Note:** the above applies to a fully detached alfresco and or an alfresco sharing a house wall.

If your BBQ area does not look like the above '✓' area, your area will be considered "Enclosed"

### If your BBQ is in an enclosed area, they must be re-certified for indoor use.

The following checklist is a guide indicating the basic steps for re-certification.

#### 1. Does the alfresco area have sufficient natural ventilation?

See information below this checklist for natural ventilation requirements.

#### Yes No

If Yes, an outdoor domestic BBQ may be used.

If no, all below additional requirements must be satisfied.

If you answered 'No' to item 1, the Alfresco is considered to be Enclosed. And the following requirements must be satisfied.

2. BBQ to be re-certified for use as commercial catering equipment at residential premises.\*

3. Appliance installation to be compliant for mechanical ventilation. Requires range hood / extraction fan.\*

4. Installation requires interlock mechanism. Ensuring that the extraction fan automatically turns on when BBQ is being used.\*

Note: for a BBQ to be re-certified for use in an enclosed alfresco, it must meet set criteria:

- Robust manufacture.
- Flame failure system.
- Rigidly fitted at installation (hoses not allowed).
- Readily accessible isolation valve.
- BBQ installed on a non-combustible surface.

If items 2 to 4 are complete and compliant with relevant standards, the re-certified BBQ may be used in the enclosed alfresco.

## Bbq to be re-certified:

- Re-certification must be undertaken by an approved Type A Gas Appliance Inspector.
- See list of Independent Inspectors on Energy Safety website <https://www.commerce.wa.gov.au/energysafety/type-gas-appliances>
- Some outdoor BBQs already have a flame failure system fitted which makes re-testing and certification to AS4563 simpler and cheaper. Having a flame failure system retrofitted is costly and the appliance will still need to be tested and approved.

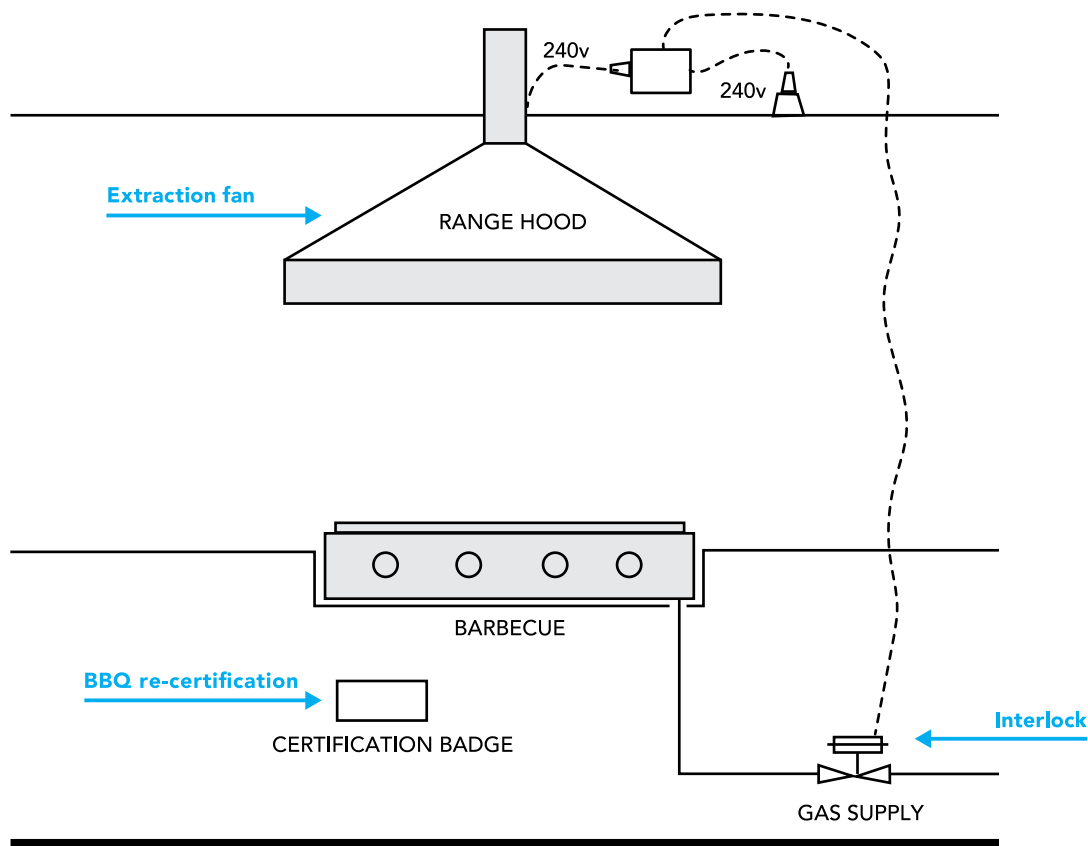
Note: the inspector who re-certifies the appliance must be independent and cannot also undertake any of the other installation work (appliance, ventilation or interlock).

## Extraction fan:

- A commercial style range hood/extraction canopy must be fitted above the appliance to provide adequate ventilation as Standard AS/NZS 5601 requires.
- The extraction fan filter must not be closer than 1,200mm to the cooking surface.
- The fan must move at least 2,000m<sup>3</sup> of air per hour. We recommend the use of at least a 2 motor fan to achieve this flow rate.
- Not only will the fan remove any harmful products of combustion, but it will also stop grease and smoke from damaging the alfresco walls and ceiling.

## Interlock to be installed:

- The re-certification process means that the appliance is now considered a 'commercial' appliance – for domestic use. This requires the appliance to have an interlock installed, so that the extraction fan is operating before gas will flow to the appliance. Ref: AS/NZS 5601.1:2013 Clause 6.10.1.15



Please also see Energy Safety publication – “Safe locations for using barbecues and gas patio heaters”. Contact ATCO Gas Australia for further advice if required by calling 13 13 56.