

# ALFRESCO CHECKLIST FOR NATURAL GAS BBQ



Currently for residential premises, barbecues are certified under a domestic appliance standard and classified as outdoor appliances. Once they are moved to an 'enclosed' alfresco 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.\*

Complete

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

Complete

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

Complete

**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 recertified BBQ may be used in the enclosed alfresco.

\*See over page for additional information

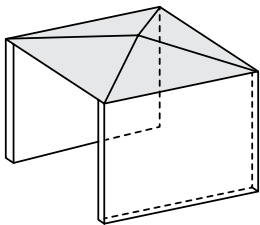
## NATURAL VENTILATION REQUIREMENTS –

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

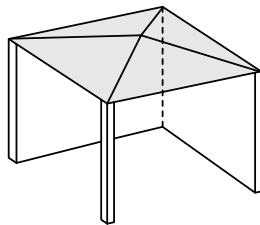
A covered Alfresco area is considered outdoors when it is an open-air situation with natural ventilation.

- 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".

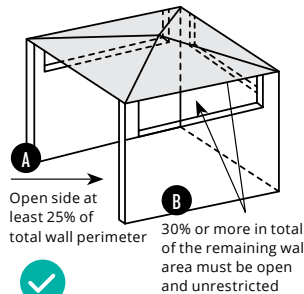
#### Compliant examples:



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

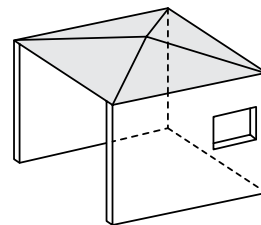


- Not more than:**
- Two walls at right angles with a covered roof.

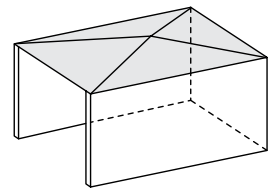


- Not more than:**
- Three walls, with the one open side being at least 25% of the total perimeter (A).
  - The remaining three walls having an area of 30% or more of unrestricted opening (B).

#### 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.

## ADDITIONAL INFORMATION:

### 🔥 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 dictates.
- 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. ATCO recommends the use of 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

