

ALFRESCO CHECKLIST

FOR NATURAL GAS CAPITAL PROGRILL SERIES 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 a compliant appliance under AS4563.

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. Appliance installation to be compliant for mechanical ventilation.

Requires range hood / extraction fan*

Complete

3. Installation requires approved interlock mechanism

that confirms the rangehood is extracting before allowing gas to flow to the BBQ.

Complete

Note: For a compliant BBQ installation in an enclosed alfresco area it must meet the following criteria;

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

*See over page for additional information

* Note: This system is suitable for Natural gas and plumbed LPG systems. This system is not suitable for Portable Gas Bottles.

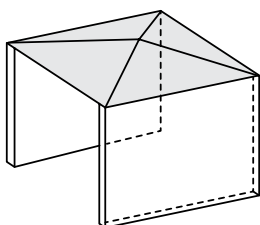
NATURAL VENTILATION REQUIREMENTS –

When is an Alfresco considered 'outdoors'?

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

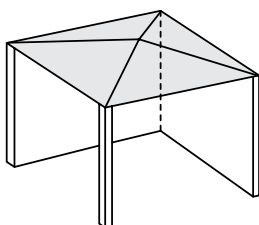
- If the Alfresco meets the below minimum requirements, it is considered that natural ventilation is provided and an outdoor domestic BBQ may be used.
- If the Alfresco does not meet the below minimum requirements, it is considered an enclosed Alfresco and additional requirements must be satisfied.
-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

Compliant examples:



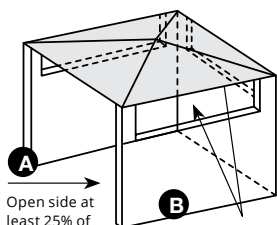
Not more than:

- Two parallel walls with a covered roof.



Not more than:

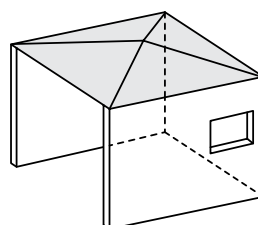
- Two walls at right angles with a covered roof.



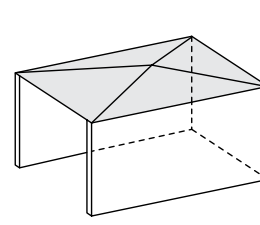
Not more than:

- 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:

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 2,000m³ 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:

- 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

