

GAS APPLIANCE AND GAS COMPONENT

TECHNICAL GUIDANCE BULLETIN

Bulletin number: 003

Bulletin Date: 05/08/2014

Author: Enzo Alfonsetti

Product Type: Domestic outdoor gas appliances with an enclosed cylinder compartment

Relevant Standard/s: AS 4557—2004 (Incorporating Amendment Nos 1 and 2), AS4565 —2004 (Incorporating Amendment No 1)

Relevant Clause/s: Clause 2.1.14 A of AS4557

A compartment shall be permanently separated from any source of ignition including the combustion area so as to prevent the ignition of escaping gas within the cylinder compartment.

Guidance to be provided:

- A consistent interpretation of the intent of the term "permanent separation" in Clause 2.1.14A of AS4557.
- Guidance provided for clause 2.8.1 of AS4565 where the radiant heating surface or combustion product outlet is less than 1.8 m from the ground.

Reason:

- Different interpretations of the term "*permanent separation*" in Clause 2.1.14A have been applied in AS4557
- To clarify the safety intent of Clause 2.1.14A in AS4557
- To allow for new technologies such as "pyramid heaters" that have been introduced into the market and that have been certified to AS4565.

Action(s):

- a) The separation panel between the cylinder compartment and any source of ignition including the combustion area of an appliance must be non-removeable and provide complete separation of these areas. Removeable "Grease Cups" that, when removed, reveal a direct passage between the cylinder compartment and the source of ignition should not be permitted.
- b) Holes or openings in the separation panel, that provide direct passage between the cylinder compartment and the ignition source should not be permitted, unless covered or sealed by a rubber grommet or similar means.
- c) The objective of the separation panel is to provide a barrier to the entry of gas into an area containing an ignition source as a result of a gas escaping at bottle pressure or regulated pressure (2.75 kPa) in the cylinder compartments, and is not intended to provide a gas-tight seal between the compartments..

Result:

- CAB's and Test Laboratories adopt the technical guidance above in order to ensure a consistent approach when assessing "*permanent separation*" of a cylinder compartment where there is an ignition source..
- Anticipated reduction in the number of incidents involving appliances with integral cylinder compartments.

Proposed Revision/s to Standard/s: Changes to be incorporated into AS5263.1.7 and AS4565.

Effective Date: 05/08/2014.

	SA	WA	VIC
Name and date:	Rob Faunt/ Trevor Tucker Date: 05/08/2014	David Robertson Date: 05/08/2014	Enzo Alfonsetti Date: 05/08/2014