

Flexible hose cooker connection

Gas Bulletin #03

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Stabilization of a freestanding cooking appliance

AS/NZS 5601.1:2022 Clause 6.10.1.11. Requires that the method recommended by the manufacturer to prevent the tilting of a typical *freestanding cooking appliance*, when in the installed position, shall be used.

Connecting a freestanding cooking appliance using a hose assembly – High level connection

AS/NZS 5601.1:2022 Clause 6.10.1.9. Requires that a *freestanding cooking appliance* connected with a *hose assembly* at high level is to comply with the following:

- a) The cooking *appliance* is to be designed and certified for that type of connection.
- b) The hose *assembly* length is to be between 1 m and 1.2 m.
- c) The height of the *consumer piping* connection point above the floor is to be approximately equal to the height of the cooking *appliance* connection point.
- d) The connection point in (c) is to face downward and be approximately 150 mm to the side of the cooking *appliance* connection point when the *appliance* is in the installed position.

NOTE: Requirements (b), (c) and (d) are to ensure the *hose assembly* is kept clear of the floor when the *appliance* is in the installed position. The hose assembly hangs like the letter 'U'. The distance between the connection points enables the cooking *appliance* to be 'pushed in' as near as possible to the rear wall.

- e) A restraining chain or wire of adequate strength is to be fixed to the *appliance* and the wall within 50 mm of each connection point. The length of the chain or wire is not to exceed 80% of the length of the hose assembly.

NOTE: The restraining chain or wire is to prevent stress being imparted onto the *hose assembly* when the cooker is moved out of its normal operating position.

- f) Where a domestic cooker is connected to consumer piping using a hose assembly, the hose assembly used shall be certified to AS/NZS 1869 Class B or Class D.

In addition to the above requirements, it's worth noting that Clause 5.9.6 (a) now requires a manual shut off valve to be installed on a hose inlet, when connected to an appliance - see extract below.

5.9.6 Hose assembly connecting an appliance

A hose assembly for an appliance shall be connected to the appliance and the consumer piping by a threaded or other metal connection acceptable to the technical regulator.

Unless prohibited in Clause 6.10 or by manufacturer's installation instructions, a hose assembly for an appliance shall —

- (a) be connected to the appliance and have a manual shut-off valve and union fitted at the inlet end of the hose assembly;*
- (b) be connected to the appliance and have a quick-connect device, located at the inlet end of the hose assembly which automatically shuts off the gas supply when disconnected; or*
- (c) have a manual shut-off valve at the inlet end of the hose assembly where a quick-connect device, which automatically shuts off the gas supply when disconnected, is located at the appliance end of the hose assembly.*

NOTE 1 The method in Item (b) is used where an appliance is to be disconnected from the gas supply by the user, i.e. a portable heater, a barbecue or where the appliance is to be regularly disconnected for cleaning purposes.

NOTE 2 The method in Item (c) may be used where larger appliances are to be disconnected from the gas supply by the user, i.e. for cleaning purposes around commercial catering appliances.

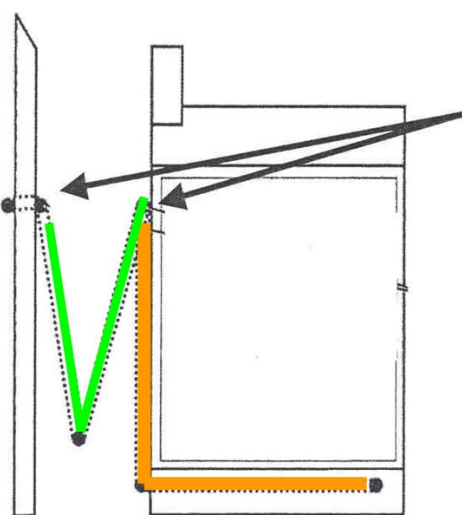
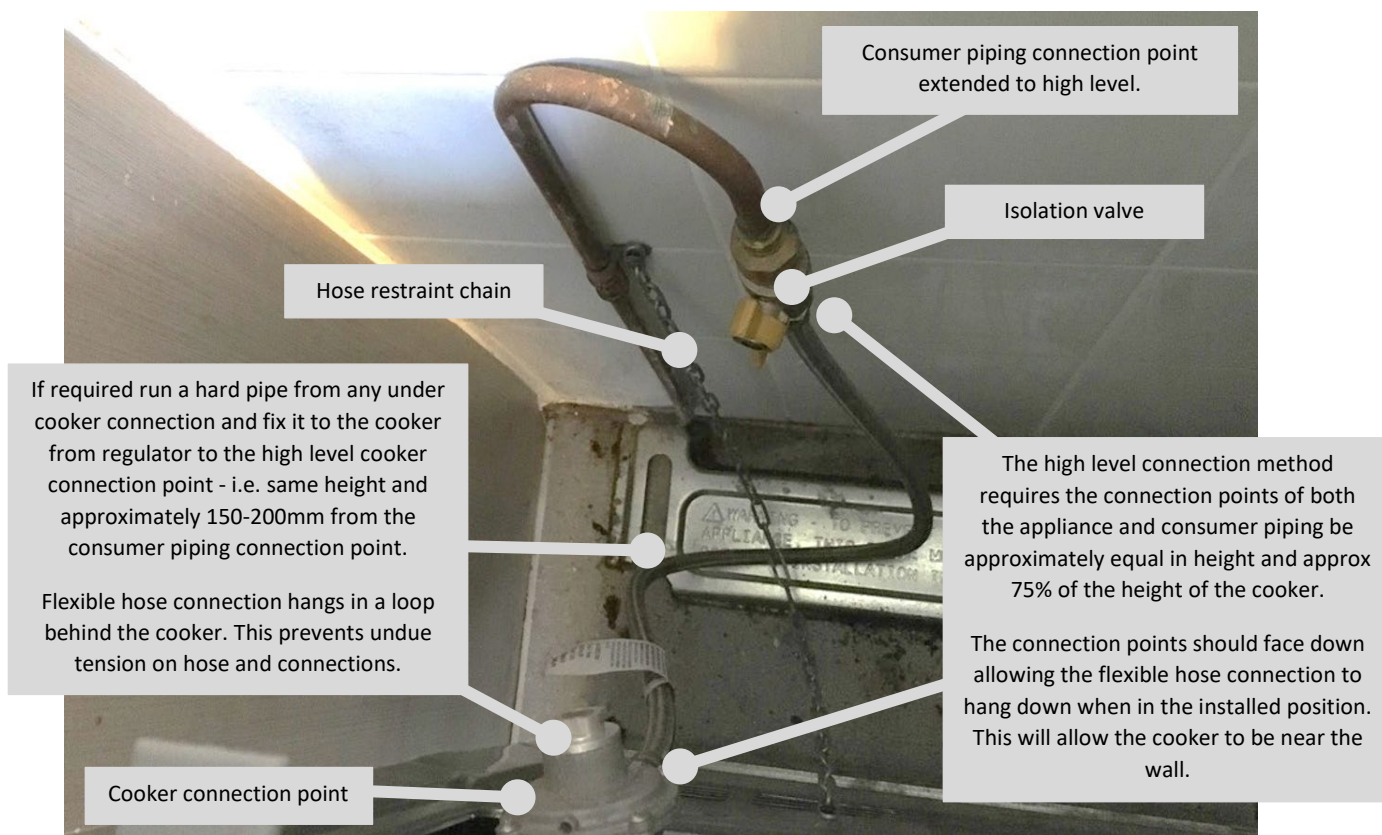
NOTE 3 An appliance restraint may be required (see Clause 6.2.14).

Please also see the attached explanatory photograph and diagram overleaf.

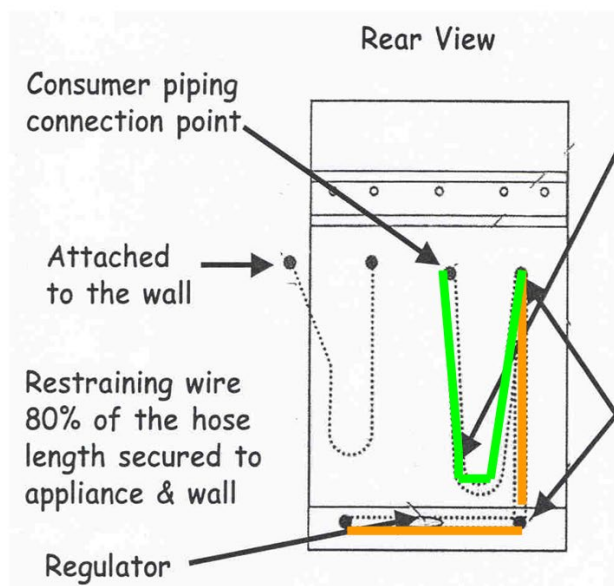
Under cooker connection

AS/NZS 5601.1 Clause 6.10.1.10. A freestanding cooking appliance having an under cooker connection point shall not be connected to that point using a hose assembly or a semi-rigid connector.

CONNECTING A COOKER USING A HIGH LEVEL FLEXIBLE CONNECTION



Side View



— Copper Pipe

Flexible Hose Assembly —

Contact the Office of the Technical Regulator for more information

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