



TECHNICAL GUIDANCE BULLETIN

Bulletin Number:	14
Bulletin Date:	8 October 2020 (revised 18/12/2020)
Subject:	Transitional requirements for the implementation of the new LCC27 LPG cylinder connection
Relevant Standard(s):	AS 2473 Series AS 4627 AS/NZS 5263 Series AS/NZS 5601 Series AS/NZS 1596

Guidance to be provided:

The details for the cylinder connection can be found in the AS2473 series and the appliance connection in AS4627.

The purpose of this communication is to provide transitional details in relation to the introduction of the new Leisure Cylinder Connection (LCC27). This is defined in the appropriate standards as the Type 27 connection.

The introduction of the LCC27 cylinder connection involves changes to multiple standards with overlapping implementation dates to ensure the transition will be safe, effective and impose the least amount of disruption to LPG cylinder users and suppliers. The change is limited to small portable LPG cylinders with a capacity not exceeding 25 litre water capacity (nominally 10kg). Larger LPG cylinders, including those typically connected to domestic homes, are outside of the scope and will not be affected by the change.

The new LCC27 connection has a number of safety advantages over the current Type 21 (POL) connection. However design improvements will mean that a coordinated transition process is necessary to ensure a successful transition. The LCC27 cylinder connection is cross compatible with both Type 21 and LCC27 appliance connections. However the LCC27 appliance connection is only compatible with LCC27 cylinders. The transitional process detailed below will seek to ensure that sufficient LCC27 cylinders are available before appliances with the LCC27 appliance connectors are sold. This is critical to ensure the use of adapters is prevented.

Each of the published standards includes information in the preface addressing transitional arrangements. To ensure consistency in interpretation across all involved standards the transitional arrangements have been summarised below in a single location.

Transitional dates for the supply of new and retested cylinders and manufacture of appliances

Connection Location	Connection Type	Up to 31st March 2021	1st April 2021 to 30th Sep 2021	1st Oct 2021 to 31st March 2022	From 1st April 2022
Cylinder Outlet	Type 21	Permitted	Permitted	Not Permitted	Not Permitted
	LCC27	Not Permitted	Permitted	Permitted	Permitted
Appliance Connector	Type 21	Permitted	Permitted	Permitted	Not Permitted
	LCC27	Not Permitted	Not Permitted	Permitted	Permitted



Detailed Breakdown

1 October 2020 to 31st March 2021:

- No change in existing requirements
- Standards amendments associated with the LCC27 have been published. This provides time for suppliers of new and retested cylinders to initiate necessary changes.

1 April 2021 to 30th September 2021:

- Supply of LCC27 cylinders to the market is now permitted. During this time both Type 21 and LCC27 cylinders may be supplied.
- Appliance connections remain unchanged.

1 October 2021 to 31st March 2022

- For cylinders manufactured or retested from 1st October 2021 the supply of LCC27 valves is mandatory. Type 21 cylinders may continue to be used and refilled on existing cylinders only until the next cylinder test date.
- New gas appliances may be supplied with either Type 21 or LCC27 appliance connections. Existing Type 21 connections may continue to be used. Hose assemblies for use with leisure cylinders with Type 21 connections may be replaced with LCC27 equivalents at end of life replacement.
- Pigtails as referenced in AS/NZS5601.1 for new general gas installations and in AS/NZS5601.2 for new gas installations in caravans and boats may be supplied with either Type 21 or LCC27 connections, however Type 21 connections with elastomer seals are not permitted.

From 1st April 2022

- For gas appliances manufactured from 1st April 2022 the supply of LCC27 appliance connections is mandatory. Existing Type 21 connections may continue to be used. Hose assemblies for use with leisure cylinders with Type 21 connections shall be replaced with LCC27 equivalents at end of life replacement.
- Pigtails as referenced in AS/NZS5601.1 for new general gas installations and in AS/NZS5601.2 for new gas installations in caravans and boats must be supplied with the LCC27 connection for cylinders not exceeding 25 litre water capacity (nominally 10kg). For cylinders exceeding 25 litre water capacity however, Type 21 connections are still permitted without elastomer seals.

Effect on use

Existing appliances and cylinders before their expiry date can continue to be used normally. These transitional requirements apply to new cylinders and cylinders that are retested as part of the cylinder test date inspection process. Existing cylinders with a Type 21 outlet connection may continue to be used and refilled if the cylinder is within the expiry date. For appliances the requirements will apply to new gas appliances that are manufactured after the transition date. Pigtails as referenced in AS/NZS5601.1 for new general gas installations and in AS/NZS5601.2 for new gas installations in caravans and boats may be supplied with either type 21 or LCC27 connections depending on cylinder water capacity as detailed above, however Type 21 connections with elastomer seals are not permitted.
