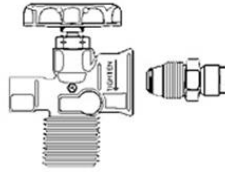


LCC27 LPG cylinder connection - Transitional requirements

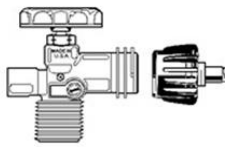
GTRC Technical Bulletin 14 - 8 October 2020 (edited)

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.

Current "POL" Cylinder Connection & valve (No appliance gas regulator shown)



New "LCC27" Cylinder Connection & valve (No appliance gas regulator shown)



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.

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.

Read the unedited GTRC Technical Guidance Bulletin 14 [here](#)



**Gas Appliance
Manufacturers
Association of
Australia**

**GAS
Connections**