

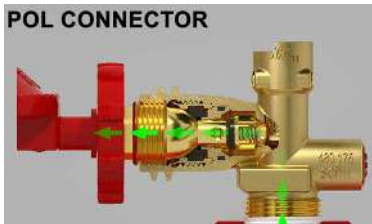
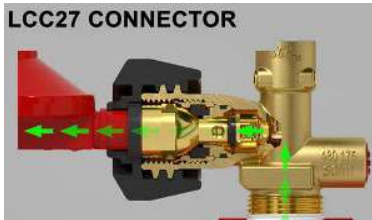
LPG Cylinders Valve Upgrades



As of 1st October 2021 all domestic portable LPG Cylinders will be required to have their current Type 21 POL cylinder valves, upgraded to a Type LCC27 cylinder valve. The focus is to improve cylinder safety during cylinder usage.



Type 21 POL Cylinder Valve



POL connectors that screw into a Type 21 POL valve will not be required to be changed as they will screw into a Type LCC27 cylinder valve. LPG appliances with existing POL connectors will not be affected. If your LPG appliance is fitted with a Type LCC27 connector, then your LPG cylinder will be required to be upgraded. NB: the POL connector is the fitting that is installed on the hose that connects to your LPG appliance.



POL Connector

A Type LCC27 connector WILL NOT connect to a Type 21 POL cylinder valve. If your LPG cylinder is fitted with a Type 21 POL cylinder valve, then it MUST be upgraded with a Type LCC27 cylinder valve.



Type LCC27 Cylinder Valve

WHAT MUST I DO NOW

- Continue to use your LPG BBQ cylinder until its (1)10 yearly test is due, then the Type 21 POL valve upgraded to a Type LCC27 cylinder valve.
- If you have purchased a new appliance with a Type 27 connector and you only have a Type 21 POL valve on your cylinder, you will need to take your cylinder in to a licensed test station and have the cylinder upgraded with a Type LCC27 cylinder valve.



SAI GLOBAL
AS 2337
Gas Cylinder
Test Station

Fire System Services manages and operates National Hydro Cylinder Testing Services, Licensed Test Station No 720.

Being licensed to test LPG cylinders National Hydro can retest or upgrade your current LPG cylinder with a new Type LCC27 cylinder valve. If you require further information please contact Fire System Services on free call 1300 88 3473.

FSS Fire System Services SA Pty Ltd

(1) AS2337 & AS2030

- (1)10 yearly tests, all cylinders are subject to a internal inspection, valve change and proof test, by a licensed cylinder test station.

Contact



**FIRE
SYSTEM
SERVICES**

freecall: 1300 88 FIRE (3473)

e-mail: info@firesys.com.au

web: www.firesys.com.au





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 31 st March 2021 | 1 st April 2021 to 30 th Sep 2021 | 1 st Oct 2021 to 31 st March 2022 | From 1 st 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 |

Contact



FIRE SYSTEM SERVICES

freecall: 1300 88 FIRE (3473)
e-mail: info@firesys.com.au
web: www.firesys.com.au





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.

Contact



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web: www.firesys.com.au

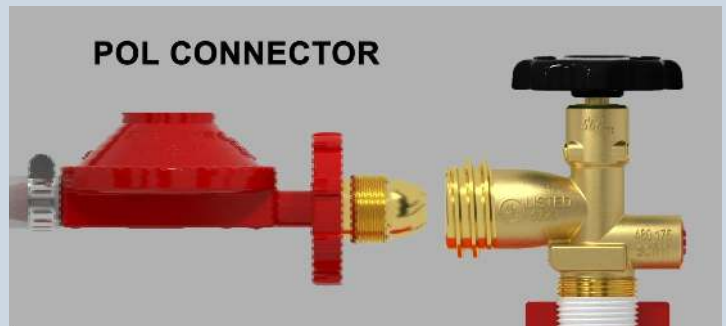


[Transitional requirements for the implementation of the new LCC27 LPG cylinder connection]

- <http://www.gtrc.gov.au/resources/Technical-Guidance-Bulletin-14--LPG-Cylinder-connection-transition-v1.1.pdf>
- As of April 2021, and over the next 12 months there will be a transition to replacing valves on cylinders up to 10Kg and portable gas appliances' connections to Type 27 connections.
- The initial transition from April to October 2021 will be on cylinders only which will affect the use of POL fittings with rubber seals (elastomer). These POL fittings with elastomer seals are not to be used with the Type 27-cylinder valve
- As of April 2022, all new portable gas appliances will be provided by the manufacturer with Type 27 connectors.
- Those existing cylinders and appliances with the POL connector will be able to continue to use these POL fittings until the test date of the cylinder and throughout the life of the appliance.



[Type 27 Leisure cylinder connection (LCC)]



[Type 21 POL cylinder connection]

Relocating gas appliances

Gas compliance / safety audits conducted by OTR gas inspectors periodically identify that newly installed gas appliances do not meet the manufacturer installation instructions or AS/NZS 5601 requirements. If this is the case, the gas fitter or owner may have to make arrangements to modify the area where the appliance has been installed to align it with the appliance type, or replace the appliance with an appropriate model for that application or relocate the appliance to another compliant area.

It is important to assess the situation thoroughly to ensure the installation does not create further compliance or safety issues. For instance, if you decide to relocate an external Hot Water Heater due to ventilation concerns, take a good look around and assess the proposed position, will the relocation cause a significant gas pressure drop when the appliance is working leading to the appliance being under gassed, will the new location create issues for other services such as air conditioner compressors, ability to service the appliance in its new location, will the flue products cause a nuisance to the owner or their neighbours.

There may be many scenarios you come across when relocating an appliance, it is important to risk assess the situation to ensure compliance.....you really want to get it right second time round!

[Contact List]

Electrical Technical Advice

Office of the Technical Regulator

Level 8, 11 Waymouth Street, Adelaide
(Reception on Level 4)

Phone: (08) 8226 5518 (8:00am-4:30pm)

Fax: (08) 8226 5529

Email: otrmal@sa.gov.au

Gas Technical Advice

Office of the Technical Regulator

Level 8, 11 Waymouth Street, Adelaide
(Reception on Level 4)

Phone: (08) 8226 5722 (8:30am-4:30pm)

Fax: (08) 8226 5866

Email: otr@sa.gov.au

Plumbing Technical Advice

Office of the Technical Regulator

Level 8, 11 Waymouth Street, Adelaide
(Reception on Level 4)

Phone: 1300 760 311 (8:30am-4:30pm)

Email: otr.plumbenquiries@sa.gov.au

www.sa.gov.au/otrplumbing

General Information

Licence and Address Change

Consumer & Business Services

Phone: 131 882

Email: occupational@sa.gov.au

Appointments and Information

SA Power Networks

Builders & Contractors Line

Phone: 1300 6500 14

Fax: 1300 6500 16

Australian Standards

Standards Australia

www.standards.com.au

AGA

Phone: (03) 9580 4500

www.gas.asn.au

Training

Gas

Master Plumbers Association

1 South Road, Thebarton

Phone: (08) 8292 4000

Fax: (08) 8292 4040

Gas Services SA

4/543 Churchill Rd, Kilburn

Phone: 1300 139 093

Gastrain

U1, 61-65 Tapleys Hill Road,
Hendon 5014

(PO Box 83, Royal Park 5014)

Phone: (08) 8447 7783

Phone: 1300 955 583

Fax: (08) 8447 7753

www.gastrain.com.au

Electrical and Gas TAFE info

(for all training enquiries)

Phone: 1800 882 661

Peer Veet

Rescue and Resuscitation, First Aid

& other Industry related courses:

1042 Port Road, Albert Park

Phone: (08) 8348 1200

www.peer.com.au

Electrical

Power Lines/Cables

Clearance Zones

Between vegetation and power lines
or building/structures and power lines

contact the **Office of the Technical**

Regulator

Phone: (08) 8226 5667

SA Power Networks (SAPN)

Phone: 13 12 61

For locations of Gas, Electricity or Telecommunications

“Dial Before You Dig”

This service is still available when doing
emergency excavations at short notice.

Phone: 1100

www.dialbeforeyoudig.com.au

For after-hours locations or gas emergency (including LPG)

Origin Energy LPG: 1800 808 526

Kleenheat: 1800 093 336

Elgas: 1800 819 783

APA Group Gas leaks: 1800 427 532
(1800 GAS LEAK)

For gas or electrical major incident reporting 24 hours / 7 days (South Australia only)

Office of the Technical Regulator

Phone: 1800 558 811

This number also appears in the 24-hour
emergency numbers section at the front
of the South Australian White Pages

Gas Trade contact

APA Group Gas Distribution

Network Operator

Phone: 1300 001 001

[Additional websites for further information]

South Australian Parliament for Acts and Regulations

www.legislation.sa.gov.au

SafeWork SA

www.safework.sa.gov.au

Gas Energy Australia (formerly ALPGA)

gasenergyaustralia.asn.au

Australian Competition and Consumer Commission (ACCC)

www.accc.gov.au

Australian Gas Networks Ltd

(formerly Envestra)

www.austriangasnetworks.com.au

Elgas

www.elgas.com.au

Fire System Services

www.firesys.com.au

Kleenheat

www.kleenheat.com.au

Australian Standards

<https://infostore.saiglobal.com/store/>

The Backflow Shop—new address:

27 South Road, Hindmarsh

www.backflowshop.com.au

Tomlinson Energy

26 Phillips Street

Thebarton SA 5031

www.tomlinsonenergy.com.au