

STANDARDS AUSTRALIA

Amendment No. 1
to
AS 2473.1—2006
Valves for compressed gas cylinders
Part 1: Specifications, type testing, and manufacturing tests and inspections

REVISED TEXT

The 2006 edition of AS 2473.1 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Preface, Clauses 1.1, 1.2, 2.1 and 2.7 and Appendix D (new).

Published on 1 October 2020.

Preface

Add the following after the first paragraph:

If a Standard is referenced in legislation, the legislative instrument or regulation specifies when the Standard or Amendment comes into effect. Regulatory Authorities have indicated 6 months, following the date of publication, as an appropriate transition period for this Amendment.

The changes in this Amendment introduce a Type 27 outlet to replace the Type 21 (POL) outlet for cylinders less than 25 L water capacity as new cylinders are introduced or existing cylinders are retested. The Type 27 outlet includes additional safety features including a right-hand thread, no gas flow possible until a mating fitting is connected and a thermal fuse which shuts off the gas flow in a fire.

Clause 1.1

Delete the note and *replace* with the following:

NOTES:

- 1 Correspondence between this Standard and ISO 10297 is given in Appendix C.
- 2 Additional requirements for LP Gas cylinder valves are given in Appendix D.

Clause 1.2

Add the following at the end of referenced Standards list:

ANSI

UL 2061 Standard for Adapters and Cylinder Connection Devices for Portable LP-Gas Cylinder Assemblies

Compressed Gas Association

CGA V-1 Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections

Clause 2.1

Add the following after the second paragraph:

LP Gas cylinder valves, including those using the Type 27 outlet connection of AS 2473.2, shall also conform to Appendix D.

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Clause 2.7

Add the following after Item (k):

- (l) The spindle gland and spindle-retaining nut shall not be loosened by operation of the spindle.
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Appendix D (new)

Add new Appendix D as follows:

APPENDIX D**ADDITIONAL REQUIREMENTS FOR LP GAS CYLINDER VALVES**

(Normative)

D1 SCOPE

This Appendix applies only to LP Gas cylinder valves, including those using the Type 27 outlet connection of AS 2473.2.

The requirements in this Appendix are in addition to those given in other parts of this Standard.

D2 REQUIREMENTS FOR LP GAS CYLINDER VALVES FITTED WITH OUTLET CONNECTION TYPE 27 FROM AS 2473.2

A valve provided with an AS 2473.2 Type 27 outlet connection shall also conform to UL 2061 as it applies to the cylinder portion of a CGA 791 cylinder connection device.

NOTE: AS 2473.2 Type 27 outlet connection is identical with CGA V-1 outlet connection No. 791.

D3 RETENTION OF THE BLEED HOLE SCREW AND THE ULLAGE TUBE

The bleed screw of valves fitted to cylinders of less than 100 L water capacity that allow venting a limited quantity of LP Gas from an ullage tube through a small diameter orifice to verify the liquid level shall remain captive or be permanently attached to the valve body.

Ullage tubes shall be securely fitted to the valve body by suitable means to ensure that they do not disassemble during operation.

D4 MAXIMUM SIZE ORIFICE FOR THE BLEED SCREW

The maximum size orifice for the bleed screw shall be 1.4 mm diameter.
