

STANDARDS AUSTRALIA

Amendment No. 1

to

AS 2030.5—2009

Gas cylinders

Part 5: Filling, inspection and testing of refillable cylinders

REVISED TEXT

The 2009 edition of AS 2030.5 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to the Clauses 5.2.1, 5.3.1, 5.3.3 and 9.4, Table 1B, Table 1C, Table 2 and Table 4.

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Clause 5.2.1

Add the following Notes at the end of the Clause:

NOTES:

- 1 Transport Regulations may impose requirements for valve protection. Compliance with AS 2030.5 may not necessarily fulfil all such requirements.
- 2 Valves for high pressure flammable gases fitted with key operated valve mechanisms with the actuating spindle inside the valve envelope, and satisfying the impact requirements of AS 2473.1—2006, may continue in service for the cylinder package's remaining service life.
This will apply to cylinders manufactured prior to the date of the issue of Amendment No. 1 to this Standard (see Preface).

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Clause 5.3.1

Delete Items (b)(i) and (b)(ii) and *replace* with the following:

- (i) Cylinders in non-underwater breathing applications, e.g. SCBA.
- (ii) Where the cylinder has a diameter of 115 mm or less, or a water capacity of 3.5 kg or less, and safety device T (see Table 6) is specified in Tables 2, 3 and 4 for the intended contents.

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Clause 5.3.3

Delete existing text and *replace* with the following:

Where safety devices are fitted to composite gas cylinders, they shall be verified as being of suitable type and performance by testing of the complete cylinder.

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Clause 9.4

Delete Item (a).

Table 1B

Delete column titled ‘Specified test’ and *replace* with the following:

Specified test
P or UT
P or UT
P or UT
P or UT
P or UT
P or UT
P or UT or AE
P or UT
P or UT
P
P or UT
P or UT
P or UT
P

Table 1C

In the row titled ‘Composite cylinders with steel liners’ *add* the following new item after (d):

(e) LP Gas in welded steel construction with removable valve	5 or 10	Yes	Yes	Not required (Notes 1 and 15)	19, 20
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Notes to Tables 1A, 1B and 1C

Add the following new Notes 19 and 20:

- 19 The longer test period may be used provided the dryness of the product and that of the filled cylinder are such that there is no free water. This condition shall be proven and documented. If the conditions above cannot be fulfilled the cylinder shall be visually and internally inspected every five years and fully re-tested every 10 years
- 20 The longer test period can apply for cylinders of known designs and safe experience provided approval has been obtained from the manufacturer.

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Table 2

- 1 In column titled ‘**Minimum test pressure...**’ and row commencing ‘1971 ‘Methane, or Natural Gas ...’, *delete* ‘ $1.5 \times P_{15}$ ’ and *replace* with ‘—’.
- 2 *Delete* column titled ‘**Pressure relief device**’ and *replace* with the following:

Pressure relief device (Note 7)
GTU
GT
Prohibited
GJT
GUT
Prohibited
GTU
GTU
GJT
GT
GJT
GT
Prohibited
GTU
GUT
GTU
Prohibited
GTU
GTU
Prohibited

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Notes to Tables 2 to 4

Add the following new Note 13:

- 13 Some gas(es) may have multiple filling ratios–test pressure values, see P200 in ADGC-7.

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Table 4

Delete existing table and *replace* with the following: