

## STANDARDS AUSTRALIA

**Amendment No. 1**  
**to**  
**AS 4332—2004**  
**The storage and handling of gases in cylinders**

**REVISED TEXT**

The 2004 edition of AS 4332 is amended as follows; the amendment(s) should be inserted in the appropriate place(s).

*SUMMARY:* This Amendment applies to Clause 4.4.2.2 and Table 7.2.

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AMDT  
No. 1  
Aug  
2005

**Page 22 Clause 4.4.2.2**

*Delete* Clause 4.4.2.2 and *replace* with the following:

**4.4.2.2 Measurement of separation distances**

**4.4.2.2.1 Distances to boundaries**

Distances to boundaries may be measured in a horizontal plane around a non-combustible, impervious vapour barrier, provided that the height of that barrier extends at least 1 m above the highest cylinder in store.

**4.4.2.2.2 Other separation distances**

Separation distances, other than to boundaries, may be measured around a screen wall. In such cases, the following conditions apply:

- (a) Where the protected place is further than 3 m from the store, the separation distance may be measured around a screen wall that has an FRL of at least 240/240/240 and extends at least 1 m above the highest cylinder in the store.
- (b) Where the protected place is closer than 3 m to the store, and is not attached to the store, the separation distance may be measured around a screen wall that has an FRL of 240/240/240 and is 1 m above the highest cylinder in the store. This does not apply if the wall of the store has a FRL of 240/240/240 and the roof of the store has an FRL of 120/120/120, such that the separation distance is met.
- (c) If the protected place is attached to the store, then the wall between the store and the protected place shall have a FRL of 240/240/240 to the extent that the separation distance is met. If the protected place is taller than the store then the roof of the store shall have an FRL of 120/120/120. If the store is taller than the protected place then the wall having a 240/240/240 shall extend 1 m higher than the protected place.

**Page 38 Table 7.2**

*Delete* Table 7.2 and *replace* with the following:

AMDT  
No. 1  
Aug  
2005

**TABLE 7.2**

**FIRE PROTECTION REQUIREMENTS FOR STORES  
OF GASES IN CYLINDERS**

| <b>Aggregate capacity, L</b> | <b>Requirements</b>                                                                                                                       |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <1000                        | Water hose connection and garden hose of sufficient length to reach the store                                                             |
| 1000 to 2000                 | One hose reel; or<br>one 2A 60B(E) fire extinguisher, a water hose connection, and garden hose of<br>sufficient length to reach the store |
| 2000 to ≤12 000              | At least one hose reel and one fire extinguisher                                                                                          |
| 12 000 to ≤60 000            | At least one hose reel, as determined by coverage, and fire extinguishers<br>positioned to achieve a 15 m maximum travel distance         |
| >60 000                      | As immediately above, plus at least one on-site hydrant system, or monitors,<br>or a sprinkler system                                     |