

AS/NZS 2229:2004
(Incorporating Amendment No. 1)

AS/NZS 2229:2004

Australian/New Zealand Standard™

**Fuel dispensing equipment for
explosive atmospheres**



AS/NZS 2229:2004

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 25 March 2004 and on behalf of the Council of Standards New Zealand on 2 April 2004.
This Standard was published on 16 April 2004.

The following are represented on Committee EL-014:

Auckland Regional Chamber of Commerce and Industry
Australian Association of Certification Bodies
Australian Chamber of Commerce and Industry
Australian Electrical and Electronic Manufacturers Association
Australian Gas Association
Australian Industry Group
Australian Institute of Petroleum
Department of Mineral Resources, New South Wales
Department of Mines and Energy, Queensland
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This Standard was issued in draft form for comment as DR 99900 to DR 99903.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Electrical equipment in hazardous locations to supersede AS 2229 Electrical equipment for explosive atmospheres—Electrical systems of dispensing equipment, Part 1-1982 and Part 2-1988 and NZS 6109 Electrical systems of dispensing equipment for explosive atmospheres, Part 1-1988 and Part 2-1988

This Standard applies to dispensing equipment for flammable liquids, LP gas and CNG dispensing equipment.

It prescribes general requirements in respect of design, construction and marking and includes a section on testing. It is intended for the guidance of manufacturers, users, statutory authorities and associated interests and for use in association with AS/NZS 3000 and New Zealand Electricity Regulations. This Standard does not cover modifications to equipment but readers should be aware that any modifications may require re-certification of the fuel dispenser.

Where Australian and New Zealand requirements or details vary they are shown within this Standard separated by a forward slash – “/”.

The major differences between this edition and the previous Standards are as follows:

- (a) Revision of previous disparate standards (AS 2229 and NZS 6109) into a joint document;
- (b) Extension of the scope to include mechanical equipment;
- (c) Inclusion of specific requirements for CNG dispenser construction;
- (d) Revision of the requirements for vapour barriers; and
- (e) Revision of the hazardous area classification - now included in AS/NZS 2430.3:1997.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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