

AS/NZS 60079.2:2007
IEC 60079-2, Ed.5.0 (2007)

AS/NZS 60079.2:2007

Australian/New Zealand Standard™

Explosive atmospheres

**Part 2: Equipment protection by
pressurized enclosure 'p'**



AS/NZS 60079.2:2007

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-014, Equipment for Explosive Atmospheres. It was approved on behalf of the Council of Standards Australia on 27 March 2007 and on behalf of the Council of Standards New Zealand on 13 April 2007.
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AS/NZS 60079.2:2007

Australian/New Zealand Standard™

Explosive atmospheres

Part 2: Equipment protection by pressurized enclosure 'p'

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Equipment for Explosive Atmospheres, to supersede AS/NZS 60079.2:2002.

The objective of this Standard is to set out the requirements for the construction and testing of electrical apparatus with pressurized enclosures, of protection type 'p', intended for use in explosive gas atmospheres.

This Standard is identical with, and has been reproduced from IEC 60079-2, Ed.5.0 (2007), *Explosive atmospheres – Part 2: Equipment protection by pressurized enclosure 'p'*.

This Standard is to be read in conjunction with AS/NZS 60079.0, *Electrical apparatus for explosive gas atmospheres, Part 0: General requirements*.

The significant changes with respect to the previous edition are listed below:

- (a) Introduction of the 'Equipment protection level concept' – See Annex H.
- (b) 3.13 Eliminate reference to 'room' in the definition of pressurization.
- (c) 5.3.3 Restrict to type px.
- (d) 5.3.3 Add warning for type pz and type py for any cover removable without the use of a tool.
- (e) 7.6 Move wording 'For type px' to beginning of subclause to clarify 7.6 only applies to type px.
- (f) 7.7 c) Clarify that the instruction label should specify purge time and pressure/flow.
- (g) 18.7 Collect marking requirements throughout the document in the 'Marking' clause.

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