

Australian/New Zealand Standard™

Explosive atmospheres

Part 2: Equipment protection by pressurized enclosure 'p'



AS/NZS 60079.2:2015

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 20 October 2015 and on behalf of the Council of Standards New Zealand on 22 October 2015. This Standard was published on 17 December 2015.

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AS/NZS 60079.2:2015

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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 60079.2:2007 and AS/NZS 61241.4:2002.

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 or explosive dust atmospheres. It also includes the requirements for pressurized enclosures containing a limited release of a flammable substance.

This Standard is identical with, and has been reproduced from IEC 60079-2 Ed.6.0 (2014), *Explosive atmospheres, Part 2: Equipment protection by pressurized enclosure "p"*. Changes to the Standard introduced by this edition are listed in the IEC Foreword.

This Standard is to be read in conjunction with AS/NZS 60079.0, *Explosive atmospheres, Part 0: Equipment—General requirements*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text 'this part of IEC 60079' should read 'this Australian/New Zealand Standard'.
- (b) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian or Australian/New Zealand Standard</i>	
IEC		AS	
60034	Rotating electrical machines	60034	Rotating electrical machines
60034-5	Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code)—Classification	60034.5	Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code)—Classification
60529	Degrees of protection provided by enclosures (IP Code)	60529	Degrees of protection provided by enclosures (IP Code)
		AS/NZS	
60079	Explosive atmospheres	60079	Explosive atmospheres
60079-0	Part 0: Equipment—General requirements	60079.0	Part 0: Equipment—General requirements
60079-11	Part 11: Equipment protection by intrinsic safety "i"	60079.11	Part 11: Equipment protection by intrinsic safety 'i'
60079-15	Part 15: Equipment protection by type of protection "n"	60079.15	Part 15: Equipment protection by type of protection 'n'

Only normative references that have been adopted as Australian or Australian/New Zealand Standard have been listed.

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

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