

AS 2380.1—1989

Australian Standard[®]

**Electrical equipment for
explosive atmospheres —
Explosion-protection techniques**

Part 1: General requirements

This Australian Standard was prepared by Committee EL/14, Electrical Equipment in Hazardous Areas. It was approved on behalf of the Council of Standards Australia on 3 August 1989 and published on 13 November 1989.

The following interest are represented on Committee EL/14:

Australian Coal Association
Australian Electrical and Electronic Manufacturers Association
Australian Institute of Petroleum
Confederation of Australian Industry
Department of Defence
Department of Industrial Relations and Employment, N.S.W.
Department of Labour, Vic.
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PREFACE

This Standard was prepared by the Standards Australia Committee on Electrical Equipment in Hazardous Areas to supersede AS 2380.1—1985. It is intended for the guidance of manufacturers, users, regulatory authorities and associated interests, and for use with the *SAA Wiring Rules (AS 3000)* and relevant mining regulations.

In its terminology, definitions and general treatment of the subject, this Standard is similar to corresponding requirements contained in IEC 79-0, *Electrical apparatus for explosive gas atmospheres*, Part 0: *General requirements*. Acknowledgment is made of the assistance received from this source.

This Standard is the first of a series of Standards dealing with the explosion-protection of electrical equipment intended for use in explosive atmospheres. It is supplemented by other parts covering specific types of protection.

The major change in this edition is the deletion of requirements for clearances, separations and creepage distances. These are now included in the appropriate parts covering specific types of protection.

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