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AS 2473—1990

Australian Standard®

Valves for compressed gas cylinders (threaded outlet)

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This Australian Standard was prepared by Committee ME/2, Gas Cylinders. It was approved on behalf of the Council of Standards Australia on 14 November 1989 and published on 7 May 1990.

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PREFACE

This Standard was prepared by the Standards Australia Committee as Gas Cylinders to supersede AS 2473—1981.

Two changes are introduced in this edition, viz the introduction of impact testing of the valve/valve protection in place of specified mechanical properties of the valve, and a further change to alternative outlet connections for inert gases.

The impact testing is based on work carried out by The Commonwealth Industrial Gases Limited, and reported to Committee ME/2 in 1983. Testing to prove the adequacy of valve strength or valve protection is intended to overcome unpractical material specifications and to allow the valve manufacturer to optimize the valve strength and port size.

A torque test is still to be finalized, and developmental work is required. Impact values for small LP gas cylinders and for specific applications are listed in Table D1.

The further change to alternative outlet connections for inert gases is necessary as experience has shown that truncated Type 12 and Type 13 connectors can make an unstable connection with a Type 10 connector. The truncated Type 12 and Type 13 connectors were introduced in the 1985 edition, but are to be revoked and replaced by the diameter-indexed connection specified for inert gases in AS 2474, *Valves for compressed gas cylinders (diameter-indexed outlets)*. As connections specified in AS 2474 are only of the self-sealing type, AS 2474 has also been revised to provide for other than self-sealing connections.

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