



Manually operated gas valves



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 - Engineers Australia
 - Gas Appliance Manufacturers Association of Australia
 - Gas Association of New Zealand
 - Gas Energy Australia
 - Gas Technical Regulators Committee
 - LPG Association of New Zealand
 - Master Plumbers and Mechanical Services Association of Australia, Vic.
 - National Association of Testing Authorities Australia
 - Australian Industry Group
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Australian Standard[®]

Manually operated gas valves

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PREFACE

This Standard was prepared by Standards Australia Committee, AG-013, Components used for Gas Appliances and Equipment, to supersede AS 4617—2004, *Manual shut of gas valves*.

The objective of this Standard is to provide manufacturers, designers, regulatory authorities, testing laboratories and similar organizations with uniform minimum requirements for the safety, performance and use of manually operated valves.

This Standard should not be regarded as a design specification or as an instruction manual.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

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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STANDARDS AUSTRALIA

Australian Standard
Manually operated gas valves

SECTION 1 SCOPE, CLASSIFICATION AND
DEFINITIONS

1.1 SCOPE

This Standard specifies the minimum safety and performance requirements for manually operated valves up to 200 mm nominal size for use on—

- (a) natural gas (NG);
- (b) simulated natural gas (SNG);
- (c) town gas (TG);
- (d) tempered liquefied petroleum gas (TLP); and
- (e) liquefied petroleum gas (LPG) in vapour phase.

1.2 APPLICATION

Conformance of a manually operated valve with these requirements does not indicate that it is acceptable for use without supplemental tests in its intended application.

NOTE: Requirements for manual shut-off valves incorporated in a combination control are published in AS 4624. Requirements for cylinder valves are published in AS 2473 series.

1.3 NORMATIVE REFERENCES

The following documents are referenced in this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

AS

2136 Method for detecting the susceptibility of copper and its alloys to stress corrosion cracking using the mercurous nitrate test

AS/NZS

5601 Gas installations (series)

ISO

4437 Plastics piping systems for the supply of gaseous fuels—Polyethylene (PE)
4437-4 Part 4: Valves

6957 Copper alloys—Ammonia test for stress corrosion resistance

EN

1555 Plastics piping systems for the supply of gaseous fuels—Polyethylene (PE)
1555-4 Part 4: Valves