

AS 4629.2:2022
(Incorporating Amendment No. 1)



STANDARDS
Australia



Automatically operated valves for use with gas

Part 2: Vent valves



AS 4629.2:2022

This Australian Standard ® was prepared by AG-013, Components used for Gas Appliances and Equipment. It was approved on behalf of the Council of Standards Australia on 06 December 2022.

This Standard was published on 16 December 2022.

The following are represented on Committee AG-013:

- Association of Accredited Certification Bodies
- Australian Industry Group
- Energy Networks Australia
- Engineers Australia
- Gas Appliance Manufacturers Association of Australia
- Gas Energy Australia
- Gas Technical Regulators Committee
- Master Plumbers Australia and New Zealand
- National Association of Testing Authorities Australia
- Plumbing Products Industry Group

This Standard was issued in draft form for comment as DR AS 4629.2:2022.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

Automatically operated valves for use with gas

Part 2: Vent valves

Originated as AG 214—1973.
Republished and redesignated as AS 4629—2005.
Revised in part and redesignated as AS 4629.2:2022.
Reissued incorporating Amendment No 1 (June 2024).

© Standards Australia Limited 2024

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth).

Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee AG-013, Components used for Gas Appliances and Equipment, to supersede in part AS 4629—2005, *Automatic shut off valves and vent valves*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this document as an Australian Standard rather than an Australian/New Zealand Standard.

A1 *This Standard incorporates Amendment No. 1 (June 2024). The start and end of changes introduced by the Amendment are indicated in the text by tags including the Amendment number 1. **A1***

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

AS 4629 has been revised and divided into two parts: AS 4629.1 covers automatically operated shut-off valves and AS 4629.2 covers automatically operated vent valves.

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.

Contents

Preface	ii
Section 1 Scope and general	1
1.1 Scope	1
1.2 Normative references	1
1.3 Terms and definitions	1
Section 2 Design and construction	3
2.1 Materials	3
2.1.1 General	3
2.1.2 Suitability	3
2.1.3 Contact with gas	3
2.1.4 Melting point	3
2.1.5 Copper-containing alloys	3
2.2 Construction	3
2.2.1 General	3
2.2.2 Castings and hot pressings	3
2.2.3 Sealing of porous castings or cracks	4
2.2.4 Assembled device to be clean	4
2.2.5 Accidental displacement of parts	4
2.2.6 Prevention of accidental shift after calibration	4
2.2.7 Attachment of knobs, handles, dials and pointers	4
2.2.8 Springs	4
2.2.9 Securing of parts	4
2.2.10 Sharp edges	4
2.2.11 Holes for assembly or mounting	4
2.2.12 Permanent sealing of non-functional holes	4
2.2.13 Self-tapping screws	5
2.2.14 Adjustments by the user	5
2.2.15 Devices that indicate position or open	5
2.3 Design	5
2.3.1 Normally open operation	5
2.3.2 Vent valves	5
2.3.3 Proof-of-closure switches	5
2.3.4 Locking device	6
2.3.5 Connections	6
2.3.6 Lubricant not required for safe opening of valve	6
2.4 Markings	6
2.4.1 General	6
2.4.2 Marking of electrical connections	6
2.4.3 Durability of markings	6
2.5 Instructions	6
Section 3 Performance requirements	8
3.1 General	8
3.1.1 Mounting positions	8
3.1.2 Declared temperature range	8
3.2 Opening time	8
3.3 Opening pressure	8
3.4 Gas leakage	8
3.4.1 Hydrostatic safety test	8
3.4.2 External leakage	8
3.4.3 Internal leakage — Forward flow	8
3.4.4 Internal leakage — Reverse flow	9
3.5 Flow capacity	9
3.6 Actuation medium	9
3.6.1 Voltage variation	9

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-