



CSA/ANSI Z21.41:23 • CSA 6.9:23  
National Standard of Canada  
American National Standard



# Quick-disconnect devices for use with gas fuel appliances



scc  ccn

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*Quick-disconnect devices for use  
with gas fuel appliances*



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| <b>R. A. Jordan</b>   | Consumer Product Safety Commission,<br>Rockville, Maryland, USA                                 | <i>Non-voting</i> |
| <b>J. Kleiss</b>      | Lochinvar LLC,<br>Lebanon, Tennessee, USA   | <i>Non-voting</i> |
| <b>T. Kwon</b>        | Air-Conditioning, Heating, and Refrigeration<br>Institute,<br>Arlington, Virginia, USA          | <i>Non-voting</i> |
| <b>R. Lani</b>        | American Public Gas Association,<br>Washington, D.C., USA<br><i>Category: Gas Supplier</i>      |                   |
| <b>N. Lee</b>         | Rheem Manufacturing,<br>Fort Smith, Arkansas, USA   | <i>Non-voting</i> |

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| <b>G. McPherson</b>    | McPherson Propane Inc.,<br>Sturgis, South Dakota, USA<br><i>Category: User Interest</i>  |
| <b>F. Myers</b>        | The Myers Group LLC,<br>Arlington, Texas, USA<br><i>Category: General Interest</i>   |
| <b>J. Nanni</b>        | Consumers Union,<br>Yonkers, New York, USA<br><i>Category: User Interest</i>   |
| <b>J. Park</b>         | Association of Home Appliance Manufacturers (AHAM),<br>Washington, District of Columbia, USA<br><i>Category: Producer Interest</i>                   |
| <b>G. J. Potter</b>    | Heater Technologies LLC,<br>Marthasville, Missouri, USA<br><i>Category: Producer Interest</i>  |
| <b>J. A. Ranfone</b>   | American Gas Association Inc.,<br>Washington, District of Columbia, USA<br><i>Category: Gas Supplier</i>   |
| <b>G. Reynolds</b>     | A.O. Smith Corp.,<br>Nashville, Tennessee, USA<br><i>Category: Producer Interest</i>   |
| <b>I. Sargunam</b>     | Bloomington, Indiana, USA<br><i>Category: General Interest</i>   |
| <b>A. B. Sherwin</b>   | St. Louis Community College,<br>St. Louis, Missouri, USA<br><i>Category: User Interest</i>   |
| <b>M. Skierkiewicz</b> | UL LLC,<br>Melville, New York, USA<br><i>Category: Research/Testing</i>  |

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| <b>C. Souhrada</b>     | North American Association of Food Equipment<br>Manufacturers,<br>Chicago, Illinois, USA<br><i>Category: Producer Interest</i> |                        |
| <b>C. Suchovsky</b>    | Appliance Engineering Inc.,<br>Twinsburg, Ohio, USA<br><i>Category: General Interest</i>                                       |                        |
| <b>B. J. Swiecicki</b> | National Propane Gas Association,<br>Tinley Park, Illinois, USA<br><i>Category: Gas Supplier</i>                               |                        |
| <b>T. A. Williams</b>  | Natural Gas Direct LLC,<br>Arlington, Virginia, USA<br><i>Category: User Interest</i>  |                        |
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# ***Z21/CSA Joint Technical Advisory Group on Manually Operated Gas Valves***

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# Preface

This is the fifth edition of CSA/ANSI Z21.41 • CSA 6.9, *Quick-disconnect devices for use with gas fuel appliances*. It supersedes the previous editions published in 2014, 2011, 2003, and 1998.

The following are the major changes to this edition:

- a) coverage has been included for quick-disconnect devices used with manual valves;
- b) Figures [1](#) and [2](#) have been updated;
- c) this Standard has been updated for accessibility;
- d) 1/4 in male plug requirements have been added;
- e) the maximum pressure has been reduced to 30 psi; and
- f) the low temperature range has been changed from –20° and 200 °F (–28.8° and 93.3 °C) to –40° and 200 °F (–40° and 93.3 °C).

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

This Standard was prepared by the Z21/CSA Joint Technical Advisory Group on Manually Operated Gas Valves, under the jurisdiction of the Technical Committee on Gas Appliances and Related Accessories and Z21/83 Technical Committee on Performance and Installation of Gas-Burning Appliances and Related Accessories and the Strategic Steering Committee on Standards for Gas Appliances and Related Accessories, and has been formally approved by the Technical Committees and the Interprovincial/Territorial Gas Advisory Council.

This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

This Standard has been approved by the American National Standards Institute (ANSI) as an American National Standard.

**Interpretations:** The Strategic Steering Committee on Standards for Gas Appliances and Related Accessories has provided the following direction for the interpretation of standards under its jurisdiction: “The literal text shall be used in judging compliance of products with the safety requirements of this Standard. When the literal text cannot be applied to the product, such as for new materials or construction, and when a relevant CSA committee interpretation has not already been published, CSA Group’s procedures for interpretation shall be followed to determine the intended safety principle.”

**Notes:**

- 1) *Use of the singular does not exclude the plural (and vice versa) when the sense allows.*
- 2) *Although the intended primary application of this Standard is stated in its Scope, it is important to note that it remains the responsibility of the users of the Standard to judge its suitability for their particular purpose.*
- 3) *This Standard was developed by consensus, which is defined by CSA Policy governing standardization — Code of good practice for standardization as “substantial agreement. Consensus implies much more than a simple majority, but not necessarily unanimity”. It is consistent with this definition that a member may be included in the Technical Committee list and yet not be in full agreement with all clauses of this Standard.*
- 4) *To submit a request for interpretation of this Standard, please send the following information to [inquiries@csagroup.org](mailto:inquiries@csagroup.org) and include “Request for interpretation” in the subject line:*
  - a) *define the problem, making reference to the specific clause, and, where appropriate, include an illustrative sketch;*
  - b) *provide an explanation of circumstances surrounding the actual field condition; and*