



ANSI Z21.41-2014
(reaffirmed 2019) •
CSA 6.9-2014
(reaffirmed 2019)

Quick disconnect devices for use with gas fuel appliances



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Revision History

ANSI Z21.41-2014 • CSA 6.9-2014, Quick disconnect devices for use with gas fuel appliances

Revision from previous edition	Revision symbol (in margin)
Clauses 1.1 , 1.2 , 4.9 , 4.9.1 , 4.9.2 , 4.9.3 , 4.9.5 , 4.9.6 , 4.9.8 , 4.9.9 , 5.1.1 , 5.2.1 , and 5.4	Δ

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***ANSI Z21.41-2014 • CSA 6.9-2014
April 2014***

Title: *Quick disconnect devices for use with gas fuel appliances*

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Quick disconnect devices for use
with gas fuel appliances



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IGAC

Interprovincial Gas Advisory Council



**A trademark of the Canadian Standards Association and CSA America Inc., operating as "CSA Group"*

*Approved on January 13, 2014 by ANSI
Approved on October 14, 2013 by IGAC
Effective in Canada June 1, 2015
Published in April 2014 by CSA Group
A not-for-profit private sector organization
178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3*

*To purchase standards and related publications, visit our Online Store at store.csagroup.org
or call toll-free 1-800-463-6727 or 416-747-4044.*

ISBN 978-1-77139-434-5

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Quick disconnect devices for use with gas fuel appliances

1 Scope

Δ 1.1

This Standard applies to newly-produced, hand-operated quick-disconnect devices, hereinafter also referred to as devices, constructed entirely of new, unused parts and materials which provide a means for connecting and disconnecting appliances or appliance connectors to gas supplies and which are for indoor and outdoor applications. These devices shall be equipped with automatic means to shut off the gas when the devices are disconnected. The mating parts shall be held together securely either by a positive locking means or by means requiring a straight pull to disconnect. These devices shall be capable of operation at ambient temperatures between 32°F to 200°F (0°C to 93.3°C) if intended for indoor use only, or temperatures between -20°F to 200°F (-28.8°C to 93.3°C) if intended for indoor/outdoor use. These devices shall also be capable of operation at temperatures of -40°F (-40°C) when so specified by the manufacturer.

Δ 1.2

This Standard applies to quick disconnect devices for use with natural, manufactured and mixed gases, propane gas and LP gas-air mixtures, having maximum gas pressure ratings of up to and including 60 psi (414 kPa). A manufacturer must specify what pressure will be marked on the product and the applicable pressures in the performance tests shall be adjusted to meet the testing requirements.

1.3

All references to psi (kPa) throughout this standard are to be considered as gauge pressure unless otherwise specified.

1.4

Annex A contains provisions that are unique to Canada.

1.5

Clause 2, contains a list of standards specifically referenced in this standard, and sources from which these reference standards may be obtained.

1.6

This Standard contains SI (Metric) corresponding to the yard/pound quantities, the purpose being to allow the standard to be used in SI (Metric) units. (Standard for use of the International System of Units (SI). The Modern Metric System, IEEE/ASTM SI 10 or ISO 80000-1:2009 Quantities and units-Part 1: General are used as a guide in making metric conversion from yard/pound quantities.) If a value for a measurement and a corresponding value in other units are stated, the first stated value is to be regarded as the requirement. The given corresponding value may be approximate. If a value for measurement and a corresponding value in other units are both specified as a quoted marking requirement, the first stated unit, or both shall be provided.