

STANDARD INFORMATION

If the project requires any changes to the Certification Data Report outside of Section 1, then this SUN applies.

Standard: CSA/ANSI Z21.41 / CSA 6.9

Standard ID:

Quick-Disconnect Devices for Use with Gas Fuel Appliances [CSA/ANSI Z21.41/CSA 6.9:2023 Ed.5]

Previous Standard ID:

Quick Disconnect Devices for Use with Gas Fuel Appliances (R2019) [ANSI Z21.41:2014 Ed.4]

Quick Disconnect Devices for Use with Gas Fuel Appliances (R2019) [CSA 6.9:2014 Ed.4]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **June 1, 2025**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: No action is required for currently certified products. If modifications to the product after the effective date require an evaluation and/or testing, then the product must undergo re-evaluation to the new requirements.

Overview of Changes:

- Maximum rated pressure has been reduced from 60 psig to 30 psig
- Contains provisions for quick-disconnect devices that incorporate manually operated valves
- Manufacturing and Production Tests have been updated to include coverage for quick disconnect devices incorporating a manual valve

Specific details of new/revise requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
1	Info	Scope
1.2		This Standard applies to quick-disconnect devices for use with natural and propane gas having maximum gas pressure ratings of 1/2 psi (3.5 kPa) up to and including 60 psi (414 kPa) <u>30 psi (207 kPa)</u> . A manufacturer must specify what pressure will be marked on the product. All references to psi (kPa) throughout this Standard are considered as gauge pressure unless otherwise specified.
		<i>New clause added;</i>
1.3		Temperature
		This Standard applies to quick-disconnect devices that are capable of operation at ambient temperatures between 32 and 200 °F (0 and 93.3 °C) if intended for indoor use only, or -40° and 200 °F (-40° and 93.3 °C) if intended for indoor/outdoor use.
		<i>New section added;</i>
1,4		Manually operated valve provisions
		Clause 4.1.3 contains provisions for quick-disconnect devices that incorporate manually operated valves.
4	Info	Construction
4.1	Info	Sample requirements
		Additional provisions
4.1.3		The following provisions apply when the quick-disconnect device incorporates a valve of the tapered plug or rotating disc type.
		See standard for details.
5	Info	Performance
5.4	Info	Continued operation



CLAUSE	VERDICT	COMMENT
		<i>New section added;</i>
		Continued operation test for device incorporating a manual valve
5.4.3		If a manually operated valve is incorporated, the valve portion of the device shall comply with Clause 5.4.3.2 at 32 °F (0 °C) or –40 °F (–40 °C) and 200 °F (93 °C) and shall completely open and close on the application of a torque or force not to exceed that specified in Table 8. See standard for details.
5.6	Info	Low temperature operation
		<i>New section added;</i>
		Low temperature operation test for quick-disconnect devices incorporating manual valves
5.6.2		If a manually operated gas valve is incorporated, the valve portion of the device shall comply with Clause 5.6.2.2 at –40 °F (–40 °C) if intended for outdoor use. See standard for details.
6	Info	Manufacturing and production tests
6.4	Info	Schedule of tests
		<i>New clause added;</i>
		Quick-disconnect devices
6.4.1		For quick-disconnect devices, the manufacturer shall use a program that includes a mutually acceptable schedule(s) to a) conduct safety tests (Clause 4.4); b) conduct strength tests on complete devices (Clause 4.5); c) check high temperature operation (Clause 5.3.2); and d) conduct continued operation tests (Clause 5.4.1).



CLAUSE	VERDICT	COMMENT
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New clause added;

Quick-disconnect devices incorporating a valve of the tapered plug or rotating disc type

6.4.2

Quick-disconnect devices that incorporate a valve of the tapered plug or rotating disc type shall perform the following additional tests when performing their mutually acceptable testing schedule to

- a) the continued operation test in Clause 5.4.3; and
- b) the low temperature test in Clause 5.6.2.

The manufacturer's test method(s) specified in Clause 6.4 shall be capable of relating back to the test(s) specified in this Standard.
