

## STANDARD INFORMATION

**Standard:** CSA B483.1

**Standard ID:** Drinking Water Treatment Systems [CSA B483.1:2021 Ed.2]

**Previous Standard ID:** Drinking Water Treatment Systems (R2017) [CSA B483.1:2007 Ed.1+U1;U2;U3]

## EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

**Effective Date:** **November 17, 2024**

## IMPACT, OVERVIEW, AND ACTION REQUIRED

**Impact Statement:** Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

### Overview of Changes:

- requirements for point-of-entry systems, devices, or both
- lead content requirements
- inline valve requirements

Specific details of new/revised 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 – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records.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.***



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CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown <del>lined-out</del> below.</i>
4	Info	<b>Design requirements</b>
4.1	Info	<b>General</b>
4.1.2		Drinking water treatment systems and components that are <del>part of appliances covered by CSA C22.2 No. 63 shall comply with the requirements for materials extraction, structural integrity, and performance with respect to health-related contaminants as specified in NSF/ANSI 42, NSF/ANSI 53, NSF/ANSI 55, NSF/ANSI 58, NSF/ANSI 61, or NSF/ANSI 62, as applicable.</del> <u>sold separately and intended to convey or dispense water used for human consumption, through drinking or cooking, shall not contain a weighted average lead content in excess of 0.25% when evaluated in accordance with NSF/ANSI/CAN 372.</u>
		<b><i>New clause added;</i></b>
		<b>Inline valves</b>
4.8		Inline valves used in a treatment train or as a bypass assembly shall comply with ASME A112.4.14/ CSA B125.14.  Note: Integral valves within the treatment unit are excluded from this requirement.
6	Info	<b>Markings and documentation</b>
		<b><i>New section added;</i></b>
6.4		<b>Point-of-entry devices and systems making health-related claims</b>
		<b>General</b>
		In addition to Clauses 6.1, 6.2, and 6.3, point-of-entry devices, systems, or both that make health- related contaminant reduction claims shall provide
6.4.1		a) documentation and markings on the equipment recommending minimum water quality testing frequency as recommended by the manufacturer; and b) instructions with the product on sample collection protocols.  Note: Examples of health-related contaminants are the inactivation of micro-organisms under NSF/ANSI 55, contaminant reduction claims under NSF/ANSI 53, and reduction of radium, barium, or both under NSF/ANSI 44.



CLAUSE	VERDICT	COMMENT
6.4.2		<p><b>Product installation, operation, and maintenance instructions</b></p> <p>Point-of-entry devices or systems that make health-related contamination reduction claims but have not been tested or certified by any third-party agency to the appropriate Standard (for example, to NSF/ANSI 55, NSF/ANSI 53, or NSF/ANSI 44) for the contaminant of concern shall include the following requirements in their product installation, operation, and maintenance instructions:</p> <ul style="list-style-type: none"><li>a) The stated contaminant reduction shall be validated by a series of comparative pre-treatment and post-treatment water quality tests for the health-related contaminant for which the claim is being made, and the test results shall be provided to and retained by the end user.</li><li>b) The results of the health-related contaminant reduction shall be compared against the health- based criteria listed in the drinking water quality guidelines or regulations of the authority having jurisdiction.</li><li>c) Appropriate water quality testing shall be conducted within 14 days of commissioning or start-up of the system or device.</li><li>d) The installer and operator shall be instructed to retain copies of the water quality results reports with the operation and maintenance manuals at the time of client handover.</li></ul> <p>Note: The client should be advised that drinking water cannot be deemed potable until they receive the test results demonstrating that the regulatory requirements for the tested parameters have been met.</p>

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