

Gas Bulletin: Adoption of the B149 2025 Gas Codes

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The Canadian Standards Association (CSA) B149 Series: 2025 – Natural Gas and Propane Installation Code will take effect in Manitoba on **March 1, 2026**. It will be adopted in full, without any provincial amendments.

Adoption of these new code editions will align Manitoba with our New West Partnership counterparts in Western, as well as other jurisdictions across Canada.

Below is a summary of the key changes introduced in the 2025 Natural Gas and Propane Codes:

CSA B149.1-25: Natural Gas and Propane Installation Code

- Hydrogen-natural gas blends are now formally defined as "gas". Installations using such blends must include approved rating plates, proper odorization, and safety notices. Gas fitters and designers should ensure compatibility of appliances with blend compositions.
- Certified press-connect fittings are now permitted for piping systems 2-1/2" NPS and greater, pending jurisdictional approval. ITS will issue further guidance on accepted products.
- Bonding and grounding provisions have been updated to align with the latest Canadian Electrical Code (CEC Part I). Installers must confirm compliance during installation and inspection.
- Expanded provisions now cover large-scale industrial fuel-burning systems. Designers and field evaluators must ensure equipment meets the updated safety controls and process requirements.
- Revised procedures mandate the use of combustible gas indicators and update maximum permissible leakage rates.
- Clearance tables for vents and electrical trenches have been revised. All installations must reflect these changes to maintain safe separation.

CSA B149.2-25: Propane Storage and Handling Code

- Clearer distinctions are made between installation and storage responsibilities of B149.1 and B149.2.
- Includes cylinder types 2P1, 2P2, and 2Q2, reflecting changes in portable container technologies.
- Requirements for self-service propane dispensers have been added. Installers must ensure dispensers meet design and signage standards.

- Design and separation standards are updated for buried or mounded storage tanks.
- Refined classifications for hazardous locations and new rules for propane use in repair facilities are included.
- Breakaway hose couplings must now conform to UL 567 or equivalent.

CSA B149.3-25: Field Approval of Fuel-Burning Appliances

- New definitions (e.g., valve train, manual shut-off valve) and updated visual/test valve requirements are introduced.
- Includes requirements for valve proving systems (VPS), flame sensors, and main burner operation interlocks.
- Mandates updated flue gas testing procedures and proper appliance documentation (installation, operation, maintenance manuals).
- New annexes cover equipment used in hazardous areas, mobile food units, and systems utilizing hydrogen blends.

Implementation Timeline:

All gas and propane installations, service work, and field approvals conducted in Manitoba on or after **June 1, 2026**, shall comply with the 2025 editions of the B149 code series, as required by The Gas and Oil Burner Act and Regulation.

Everyone responsible for conducting gas related work is encouraged to familiarize themselves with the 2025 editions of the CSA B149.1, 149.2 and 149.3 Gas Codes, which can be purchased online from the CSA Group and update their training materials and internal inspection checklists accordingly.