

Venting Products of Combustion

A solid-fuel burning appliance must be connected to:

- a masonry chimney conforming to the requirements of Section 9.21 of the NBC 1995,
- a factory-built chimney that is constructed and installed in accordance with CAN/ULC-S629, "Standard for 650°C Factory-Built Chimneys" as required by Article 9.21.1.2 of the NBC 1995, or
- a specific chimney or venting system certified for use with the particular appliance.

A solid-fuel burning appliance shall not be connected to a chimney flue that serves a natural gas or propane-fired appliance. A solid-fuel burning appliance must be certified for use in conjunction with oil-burning equipment if it is to be connected to a venting system that also serves oil-burning equipment. A chimney flue serving a fireplace or incinerator shall not serve any other appliance (Article 9.21.2.1. of the NBC 1995). The standard also gives provisions for connection of two solid-fuel burning appliances to the same chimney flue.

Minimum clearances from flue pipes to adjacent surfaces are given in the manufacturer's instructions.

MANUFACTURER'S
INSTALLATION INSTRUCTIONS
OVERRIDE THE REQUIREMENTS
OF THE NBC 1995 AND THE
APPLICABLE NATIONAL
STANDARDS, AND MUST ALWAYS
BE FOLLOWED

Typical Manufacturers' Instructions

Manufacturers are required to provide installation instructions with each certified appliance. The instructions that are required include, but are not limited to:

- warning to save these instructions
- list of parts and materials required
- step-by-step instructions
- floor protection required
- size, minimum height, and type of chimney to be used, and the manufacturer and model of a specific chimney if required
- minimum installation clearances
- diagram showing required clearances to top, bottom, front, rear and sides
- manufacturer's catalogue designation as well as the manufacturer's name and address.

The contents of this brochure are for information purposes only. Designers and builders should refer to *The Uniform Building and Accessibility Standards Regulations* for the purposes of interpretation and application of the law.

For more information contact:

Your local municipal office

or

Building Standards

Saskatchewan Municipal Government

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Saskatchewan
Municipal
Government

Building
Standards

Installation of Solid-Fuel Burning Appliances



*"Promoting
construction of
safe buildings
through leadership
and guidance"*

Installation of Solid-Fuel Burning Appliances

The following requirements are based on Article 9.33.5.3. of the National Building Code (NBC) of Canada 1995 as adopted and amended by *The Uniform Building and Accessibility Standards Regulations*. Additional requirements for buildings within the scope of Part 3 of the NBC 1995 are not included.

Stoves, ranges and space heaters must be installed in accordance with CAN/CSA-B365-M “Installation Code for Solid-Fuel Burning Appliances and Equipment.” According to Article 9.22.10.2. of the NBC 1995, this standard also applies to the installation of fireplace inserts and hearth-mounted stoves vented through the throat of a fireplace. The standard excludes the installation of site-built fireplaces, incinerators and process equipment. Article 9.22.8.1. of the NBC 1995 requires that factory-built fireplaces and their installation conform to CAN/ULC-S610-M “Standard for Factory-Built Fireplaces.”

“Solid-fuel” includes, but is not restricted to, coal and biomass fuels such as cordwood, chips, sawdust, wood and paper pellets, and corn.

This brochure will only highlight some requirements of the standard and answer some commonly asked questions. Anyone undertaking to install a solid-fuel burning appliance covered by this standard may obtain a copy of CAN/CSA-B365-M from the Canadian Standards Association, 178 Rexdale Boulevard, Rexdale (Toronto), Ontario M9W 1R3.

General Requirements

Solid-fuel burning appliances and equipment must meet the applicable National Standard developed by CSA or ULC. These standards require the products to be “certified.” This means that the manufacturers are subject to a rigorous program of quality control and have earned the right to affix a label to the product that assures that it meets the standard.

Uncertified appliances, either new or used, are not permitted unless specifically approved by the municipality having jurisdiction. Contact the local municipality for approvals.

Certified solid-fuel burning appliances must be installed in accordance with the manufacturer’s installation instructions and the requirements of CAN/CSA-B365-M.

Solid-fuel burning appliances installed in mobile homes must be certified for such installations, have provisions for obtaining combustion air directly from the outdoors, and be provided with all hardware necessary for installation in a mobile home.

Solid-fuel burning appliances shall not be installed in hazardous locations where a corrosive atmosphere, flammable gas or vapour, combustible dust, or combustible fibres may be present. However, an appliance may be installed in a storage or residential garage if it is mounted at least 450 mm above floor level and protected against physical damage. A service room is required to enclose a solid-fuel burning appliance in a repair garage or similar facility.

MANUFACTURER’S
INSTALLATION INSTRUCTIONS
MUST ALWAYS BE FOLLOWED

Definitions (from the NBC 1995)

Appliance means a device to convert fuel into energy and includes all components, controls, wiring and piping required to be part of the device by the applicable standard referred to in this Code.

Chimney means a primarily vertical shaft enclosing not less than one *flue* for conducting *flue* gases to the outdoors.

Factory-built chimney means a *chimney* consisting entirely of factory-made parts, each designed to be assembled with the other without requiring fabrication on site.

Flue means an enclosed passageway for conveying *flue* gases.

Flue pipe means the pipe connecting the *flue collar* of an *appliance* to a *chimney*.

Masonry or concrete chimney means a *chimney* of brick, stone, concrete or masonry units constructed on site.

Range means a cooking *appliance* equipped with a cooking surface and one or more ovens.

Repair garage means a *building* or part thereof where facilities are provided for the repair or servicing of motor vehicles.

Space-heating appliance means an *appliance* intended for the supplying of heat to a room or space directly, such as a *space heater*, fireplace or *unit heater*, or to rooms or spaces of a *building* through a heating system such as a central *furnace* or *boiler*.

Storage garage means a *building* or part thereof intended for the storage or parking of motor vehicles and which contains no provision for the repair or servicing of such vehicles.

Stove means an *appliance* intended for cooking and space heating.

(from CAN/CSA-B365-M)

Fireplace insert — an appliance intended for installation within, or partially within, the fuel-burning space of a masonry fireplace that substantially closes off the fireplace opening.