

**MINISTRY OF CONSUMER AND COMMERCIAL RELATIONS
TECHNICAL STANDARDS DIVISION
FUELS SAFETY
STANDARD G/P NO.6 REVISED**

REFRIGERATORS USING GAS OR PROPANE FUEL

Effective April, 1995

1. Scope

A propane or gas fired refrigerator shall comply with the Canadian Gas Association Standard CGA 1.4-M94 "Refrigerators Using Gas Fuel". Except for a direct vent refrigerator and a refrigerator for installation in mobile housing or recreational vehicles, a refrigerator shall comply with the additional requirements of this Branch Standard.

1.2 Additional Construction Requirements

1.2.1 A refrigerator shall be equipped with a carbon monoxide (CO) detector that shuts down the refrigerator and sounds an alarm if the detector is exposed to 100 ppm of CO over a two hour period. A hand operated reset shall be required and the detector shall fail safe on a sensor or battery failure.

1.2.2 Refrigerator flue gas passageways and flue baffles, downstream of the refrigerator burner, shall be constructed of materials resistant to corrosion from flue gas condensate. Materials equivalent in corrosion resistance to aluminum 1100, stainless steel AL29 -4C or plastic are considered corrosion resistant for this application.

1.3 Additional Warnings and Instructions

1.3.1 A refrigerator shall have a warning label' located where it can be easily read by the user from the front of the refrigerator (door may be opened for viewing). The following warning is acceptable.



WARNING

This product can produce Carbon Monoxide. Carbon Monoxide has no odour and can kill you. The burner and flue system must be kept clean. See Owner's manual for instructions.

1.3.2 Instructions shall cover operation servicing, testing and replacement of batteries and sensor for the CO detector.

1.4 Additional Test Requirements

- 1.4.1 The CO detector shall comply with the requirements of CGA Standard 6.19 "Residential Carbon Monoxide Detectors".
- 1.4.2 The CO detector shall operate to shut off the refrigerator within two hours when the detector is exposed to 100 ppm of carbon monoxide.
- 1.4.3 The refrigerator and detector shall be tested by being located in a small sealed enclosure. The refrigerator shall be operated and carbon monoxide measured in the enclosure. The refrigerator shall shut off prior to CO in the enclosure exceeding 100 ppm.
- 1.4.4 with the refrigerator on low-fire, and the CO detector connected, tests shall be conducted to ensure that the minimum voltage across the safety shut-off valve is at least two times the maximum valve drop-out voltage as specified by the valve manufacturer.