



Fuels Safety Program	Ref. No.: FS - 065 - 05	Rev. No.:
ADVISORY	Date: November 7, 2005	Date:

Subject: Vent Sizing and
Vent Re-sizing for Existing Interior Type “B” Vents and Metal Lined Chimneys
Sent to: Posted on Web-Site

The Technical Standards and Safety Authority (TSSA) is aware that there are many existing installations where more than one gas-fired appliance are connected to a chimney flue. When an appliance is removed from service, the gas technician who removes the appliance from service shall evaluate the vent size and condition for code compliance and suitability for continued use.

The following is provided to clarify the current application of clause 7.13.1 of the CSA B149.1-00 (8.13.1 of the CSA B149.1-05), Natural Gas and Propane Installation Code to existing installations:

- Existing interior 6-inch internal diameter or less B Vents or 6-inch internal diameter or less metal-lined chimneys (within a building structure) need not be re-sized when one of the appliances connected to the chimney flue is removed and the remaining draft-hood equipped appliance has an input ranging 30,000 BTU up to the maximum BTU size allowed by the actual vent in place provided the vent is inspected and found suitable for continued use*.
- A replacement for the above remaining appliance may be installed in the existing vent provided it is a draft-hood equipped appliance, has an input ranging 30,000 BTU up to the maximum BTU size allowed by the actual vent in place, and that the vent is inspected and found suitable for continued use*.
- All other vent types, configurations or chimney flues shall be sized in accordance with the preferred minimum size or range recommended in the CSA B149.1-00 (prior January 1, 2006)/CSA B149.1-05 (as of January 1, 2006).

- * The resulting inspection of the vent/chimney flue shall include but not be limited to the following:
- Check for down draft with draft gauge or smoke test – if any combustion products are spilling at steady state within the building – the vent condition is considered an immediate hazard (infract and terminate fuel supply as per current regulations)
 - Visual inspection of the chimney flue for deterioration and infract as warranted
 - Visual inspection of the vent for corrosion and/or perforations
 - If any perforations are found, it is considered an immediate hazard (infract and terminate fuel supply as per current regulations)
 - If any corrosion is found, the gas technician shall determine using experience and judgement whether the vent will operate safely. If continued safe operation cannot be determined, infract/tag as required per current regulations.
 - If the vent is improperly sized, the gas technician shall determine whether it is an immediate hazard or unacceptable condition and infract/tag according to the current regulations.
 - If the vent is poorly configured, the gas technician shall determine whether it is a safety issue and infract/tag according to the current regulations.
 - Any other inspection items that the gas technician identifies as necessary for that specific installation