

## VII. Venting

### WARNING

This boiler needs fresh air for safe operation and must be installed so there are provisions for adequate combustion and ventilation air.

Read, understand and follow combustion air instruction restrictions contained in the Pre-Installation instructions of this manual.

Do not operate boiler where gasoline or other flammable vapors or liquids, or sources of hydrocarbons (i.e. bleaches, cleaners, chemicals, sprays, paint removers, fabric softeners, etc.) are used, stored and/or present in the air.

### CAUTION

Do not use one vent damper to control two heating appliances.

Provide adequate clearance for servicing - 6" minimum clearance between damper and combustible construction.

### NOTICE

DO NOT force the vent damper over the rolled bead on the draft hood collar. The vent damper should rest on the rolled bead.

Please refer to the specifications, installation instructions and trouble shooting guide packed in the vent damper carton for complete detailed installation instructions.

- A. Install vent system in accordance with local building codes; or local authority having jurisdiction; or *National Fuel Gas Code*, ANSI Z223.1/NFPA 54, Part 7, Venting of Equipment and/or CAN/CSA B149.1 Installation Codes.** Install any of the following for this Independence Series Category 1, draft hood equipped appliance:
1. Type B or Type L gas vent. Install in accordance with listing and manufacturer's instructions.
  2. Masonry or metal chimney. Build and install in accordance with local building codes; or local authority having jurisdiction; or *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel Burning Appliances*, ANSI/NFPA 211 and/or *National Building Code of Canada*.

Masonry chimney must be lined with approved clay flue lining or listed chimney lining system except as provided in ANSI Z223.1/NFPA 54, Paragraph 7.5.4(a): *Exception: Where permitted by the authority having jurisdiction, existing chimneys shall be permitted to have their use continued when an appliance is replaced by an appliance of similar type, input rating, and efficiency.*

3. Single wall metal vent. Allowed by ANSI Z223.1/NFPA 54 under very restrictive conditions.
- B. Inspect chimney and remove any obstructions or restrictions.** Clean chimney if previously used for solid or liquid fuel-burning appliances or fireplaces.

### DANGER

Inspect existing chimney before installing boiler. Failure to clean or replace perforated pipe or tile lining will cause severe injury or death.

### C. Boiler Equipped With Vent Damper

1. Open Vent Damper Carton and remove Installation Instructions. Read Installation Instructions thoroughly before proceeding.

2. Vent damper should be same size as draft hood outlet. See Figure 1. Unpack vent damper carefully - **DO NOT FORCE CLOSED!** Forcing vent damper may damage gear train and void warranty. Vent damper assembly includes pre-wired connection harness with polarized plug for use on all 24V standing pilot or intermittent ignition (EI) control systems.
3. Mount vent damper assembly on draft hood without modification to either (Refer to instructions packed with vent damper for specific instructions). Vent damper position indicator to be visible to users.
4. USA - Do not install Non-listed vent damper or other obstruction in vent pipe.  
Canada - Do not install Non-listed vent damper or other obstruction in vent pipe.