PP venting tube and components:
- In Canada, M&G: PP system, certified type of ULC S636
- In USA, ANSI/ASTM, PP system, certified type

Stainless steel venting tube and components (certified types for Category IV):
- Flexmaster Canada Ltd.: Z-Vent
- Z-Flex U.S., Inc.: Z-Vent
- Heat-Fab Inc.: Saf-T-Vent
- Flex-L International Inc.: StaR-34
- Protech Systems, Inc.: FasNSeal™

The use of these manufacturers' venting systems for sidewall venting will require the use of a vent terminal specified by Allied Engineering Company. The vent terminal for a vertical venting system should be obtained from the supplier of the venting system listed above.

1.7.4 VENT TERMINAL INFORMATION

The minimum distance from the vent terminal to adjacent public walkways, adjacent buildings, operable windows and building openings shall be not less than those values specified in the National Fuel Gas Code, ANSI Z223.1/NFPA 54 and/or the Natural Gas and Propane Installation Code, CAN/CSA B149.1.

Flue gas condensate can freeze on the exterior walls or on the vent termination. Frozen condensate on the vent cap can result in a blocked flue condition and should be removed to keep the appliance operating normally.

Some discoloration to exterior building surfaces can be expected. Adjacent brick or masonry surfaces should be protected with a rust resistant sheet metal plate. To prevent discoloration and degradation of building materials by flue gases and flue gas condensation, ensure that the vent terminal is installed clear of nearby obstacles. In all cases, installation shall be in accordance with applicable code(s).

For proper operation, the vent terminal must be kept free of snow, leaf dropping and other debris at all times to ensure that no blockage occurs.

Do not terminate the vent in a window well, stairwell, alcove, courtyard, or other recessed area. The vent cannot terminate below grade and over paved walkways or paved driveway that is located between two single-family dwellings and serves both dwellings, or near soffit vents or crawl space vents or other area where condensate or vapor could create a nuisance or hazard or cause property damage; or where condensate or vapor could cause damage or could be detrimental to the operation of regulators, relief valves, or other equipment. The vent shall not terminate underneath a veranda, porch, or deck unless the veranda, porch, or deck is fully open on a minimum of two sides beneath the floor and the distance between the top of the vent termination and the underside of the veranda, porch, or deck is greater than 1 foot (300 mm).

Do not locate the vent terminal directly under roof or deck overhangs to prevent icicles from forming. Due to the low flue gas temperature, ‘pluming’ will occur at the flue terminal. Care should be taken to ensure that the discharge plume will not cause annoyance to the neighbors. Therefore, never allow vent terminal towards neighbor’s windows or where personal injury or property damage can occur.

The terminal shall not be installed in any area which is not allocated to the occupancy in which the appliance is installed.

In a structure with three walls and a roof, the terminal shall not be installed:

a) more than 72 inches (1.8 m) from the outside opening;