

Saf-T Vent® CI Specifications for Double Wall Special Gas Vent Applications

The Saf-T Vent® CI system is to be installed only in accordance with Heat-fab, Inc., "Installation and Maintenance Instructions" and with all applicable local, regional, and national codes.

The Saf-T Vent CI factory-built Special Gas Vent system is Tested and Listed by Underwriters Laboratories to UL 1738/ULC S636 and is for use with Listed natural gas or propane burning equipment that produce continuous flue-gas temperatures not above 550°F. The system is to be installed and sealed per manufacturers' instructions so all joints are gas tight, preventing leakage of products of combustion into a building.

The Saf-T Vent CI system is a double-wall product that consists of a flue-gas conduit fabricated from AL 29-4C® stainless steel, which is highly suited for use with high-efficiency gas burning equipment, which produce excessive amounts of condensation in the vent. The outer jacket of the system is constructed of type 430 stainless steel with a void of approximately 0.16" between the flue-gas conduit and the jacket.

All joints in the Saf-T Vent CI system are fastened with the patented Ring-and-Tab tapered closure system and are to be sealed with factory approved sealant when used with positive pressure or condensing applications. This closure system is tested to be gas tight at two and one-half times the Listed pressure rating of 3" water column.

The Saf-T Vent CI system is Listed by Underwriters Laboratories for installation with continuous vertical runs not in excess of 60 feet. When properly installed using Heat-fab, Inc., supplied materials, the system may safely and securely be utilized in either interior or exterior installations. The system is capable of withstanding reasonable wind and incidental loads as required by UL standards.

When connected to gas-burning appliances with a maximum continuous flue-gas temperature rating of 400°F, 3"-6" diameter Saf-T Vent CI can be fully enclosed by combustible materials at 4" or greater clearance from the appliance flue collar to the termination. All installations of larger sizes or for temperatures up to 550°F may be installed adjacent to combustible materials on three sides only at 4" clearance or may be fully enclosed by a non-combustible enclosure.

The Saf-T Vent CI system is to be sized in accordance with appliance manufacturers' specifications, the most current edition of NFPA 54 National Fuel Gas Code (ANSI Z223.1), and ASHRAE recommendations. This proper sizing, based on information supplied by the consumer, is reflected in scale drawings of the system provided by Heat-fab, Inc.

TECHNICAL SPECIFICATIONS

Product	Saf-T Vent CI Special Gas Vent Saf-T Vent CI Gas Vent Connector
Uses	Chimneys and Vents (Horizontal or Vertical) for ANSI Category I, II, III, and IV gas-burning appliances.
Fuels	Natural gas or propane fired equipment
Pressure	Positive up to 3" wc, negative, or neutral
Standard Diameters	3"-18" (larger sizes available)
Flue-Gas Conduit	AL 29-4C® stainless steel
Jacket	430 stainless steel
Insulation	Air Space 5/32"

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Pub # 11412-112103

