

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

The Saf-T Vent® CI Plus system is an air-insulated double-wall product designed for commercial applications. It is approved for use on individual or common vented ANSI Category I, II, III, and IV Gas Burning Appliances and Direct Vent applications as approved by the appliance manufacturer.

The Saf-T Vent CI Plus factory-built Special Gas Vent system is Tested and Listed by Underwriters Laboratories to UL 1738 /ULC S636 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 Plus 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 space of approximately 1" between the flue-gas conduit and the jacket.

All joints in the Saf-T Vent CI Plus system are fastened with a new closure system* that combines the features of Heat-fab's tapered ends with a mechanical closure system which consists of tabs and a locking band. The locking band is tightened from a single location using a simple hand tool, pulling the two pieces together making a pressure tight assembly. When installed on positive pressure or condensing applications, the joints must be sealed. Diameters 5" through 16" are manufactured with a factory adhered seal. Diameters 18" through 32" must use an approved sealant on the job site. This closure system is tested to be gas tight at two and one-half times the Listed pressure rating of 15" water column.

When properly installed the Saf -T Vent CI Plus 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.

*U.S. Patent No. 6,702,338

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www.heat-fab.com 130 Industrial Blvd., Turners Falls, MA 01376

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When connected to gas-burning appliances with a maximum continuous flue-gas temperature of 550°F, 5" through 24" diameter Saf-T Vent CI Plus can be fully enclosed vertically by combustible materials at 1" or greater clearance and 26" - 32" diameter at 2" or greater clearance. For horizontal applications refer to the Clearance Chart (publication # 11724).

The Saf-T Vent CI Plus system is to be sized in accordance with appliance manufacturers' specifications, the most current edition of NFPA 211 Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances, the most current edition of NFPA 54 National Fuel Gas Code (ANSI Z223.1), ASHRAE recommendations, and all applicable local and regional codes. This proper sizing, based on information supplied by the consumer, is reflected in scale drawings of the system provided by Heat-fab, Inc.

The Saf-T Vent CI Plus 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.

TECHNICAL SPECIFICATION

Product	Saf-T Vent CI Plus Special Gas Vent
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 15" wc, negative, or neutral
Standard Diameters	5"-32"
Flue-Gas Conduit	AL 29-4C® stainless steel
Jacket	430 stainless steel
Insulation	Air Space 1"
Seal	Factory adhered seal (5"-16") RTV Sealant (18"-32")

