

Saf-T Vent® SC Specifications for Special Gas Vent Applications, Reduced Clearance Installations, and Approved Sealed Combustion Appliances

The Saf-T Vent® SC is a concentric vent system designed for zero clearance installation in residential and light commercial applications. It is approved for use on ANSI Category I, II, III, and IV Gas-Burning Appliances, and Direct Vent or Sealed Combustion Appliances as approved by the appliance manufacturer.

The Saf-T Vent SC factory-built Special Gas Vent and Gas Vent Connector is Tested and Listed by Underwriters Laboratories to UL 1738/ULC S636 and is for use with Listed natural gas or propane burning equipment. The system is to be installed and sealed per the manufacturers' instructions so the flue gas conduit is gas tight, preventing leakage of products of combustion into a building.

Saf-T Vent SC is a double-wall product that consists of a flue-gas conduit fabricated from AL 29-4C®, which is ideal for use with modern gas-burning equipment that may produce excessive amounts of condensation in the vent. The outer jacket of the system is constructed from stainless steel with a space of approximately one inch between the flue-gas conduit and the jacket.

Some appliances are Listed to utilize the space between the flue-gas conduit and the outer jacket for combustion air supply. This design allows exhaust and air intake to occur through a single penetration through the building structure.

All joints in the Saf-T Vent SC system have a "straight-seal" design, and are equipped with a factory-applied seal. The outer jacket is secured with three stainless steel screws. This closure system is tested to be gas tight at two and one-half times the Listed pressure rating of eight (8) inches water column.

When connected to gas-burning appliances with a maximum continuous flue-gas temperature rating of 550°F/288°C, Saf-T Vent SC may be installed unenclosed, or within a non-combustible chase or joist bay, or within a vertical combustible enclosure at zero (0") clearance (maximum 30 degrees offset).

When connected to gas-burning appliances with a maximum continuous flue-gas temperature rating of 330°F/166°C, Saf-T Vent SC may be installed within a combustible horizontal enclosure (joist bay) at zero (0") clearance.

When connected to gas-burning appliances with a maximum continuous flue-gas temperature rating of 400°F/204°C, Saf-T Vent SC may be installed within a combustible horizontal enclosure (joist bay) at one inch (1") clearance.

The Saf-T Vent SC system is to be sized and installed only 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) or CSA B 149.1, and any other applicable local, regional, and national codes.

TECHNICAL SPECIFICATION

Product	Saf-T Vent SC Special Gas Vent and Gas Vent Connector
Uses	Vents (Horizontal or Vertical) for Gas-Burning Appliances, suitable for ANSI Category I, II, III, and IV Gas-Burning Appliances, certain Direct Vent Appliances, and approved Sealed Combustion applications.
Fuels	Natural gas or propane fired equipment
Pressure	Positive up to 8" wc, negative, or neutral
Standard	
Diameters	3", 4"
Lengths	12", 24", 36", and Adjustable
Elbows	45° and 90°
Fittings	Complete range of Adapters, Terminations, and Accessories
Flue-Gas Conduit	AL 29-4C® stainless steel
Jacket	Stainless steel

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