Technical and Dimensional Data

Saf-T Vent® CI Plus
Double Wall
One Inch Air Space
AL 29-4C® Stainless Steel
Special Gas Vent

For Venting Commercial & Industrial Appliances
Condensing Appliances
Category I,II,III,IV Appliances
For Use on Positive, Neutral, and Negative Pressures up to 15" W.C.
Also For Venting Listed Gas or Oil Fired Appliances Listed as Suitable For Venting With Type L Vent Low-Temperature Venting Systems
Sizes: 4"- 32" Diameters

Tested and Listed to
UL 1738/ULC S636
by Underwriters Laboratories, Inc
Also Listed to UL 641, ULC/ORD-C441-M1990 and CAN-ULC-S609-M89

heatfab®
5030 Corporate Exchange Blvd
Grand Rapids, MI 49512
Call (800) 772-0739
Fax (800) 972-1421
Canada Sales: 888-735-5475
www.heatfab.com
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Saf-T Vent CI Plus

DOUBLE WALL AL29-4C® SPECIAL GAS VENT

Introduction:

Saf-T Vent CI Plus is an AL29-4C superferritic stainless steel conduit with a one-inch air space and a type 430 stainless steel outer jacket. It is ideal for close clearance installation within building chases.

Saf-T Vent CI Plus combines the tight fit of the tapered male and female expands with a patented closure system which consists of tabs and a locking strap. The locking strap provides a mechanical connection between the two assembled sections. It also serves to pull together the two pieces, making a pressure-tight assembly. The locking strap is tightened from a single location using a simple hand tool. This single-point fastening system allows one installer to complete an assembly without rotating the sections or rotating himself around the sections.

The double-wall construction allows for an insulating blanket of 1” air space between the inner wall and the outer wall. This air insulation has the advantage of keeping the flue gases warmer as well as making the skin temperature of the outer wall cooler. The reduced skin temperature allows the product to be installed in closer proximity to combustible materials. Refer to the installation instructions for Heat-fab’s Saf-T Vent CI Plus system (HF-IMI-CI).

**CI Plus is also available with fiber glass insulation between the walls (ICC.... part codes) for further skin reduction temperatures. Clearances to combustibles remain the same as 1” airspace model.

Patent No. 6,702,338

Part Numbering System for CI Plus — Saf-T Vent CI Plus parts are identified by the following numbering system which describes the composition, use, diameter and length of each part.

1. The Product Code, or Model, is comprised of two letters. CC designates CI Plus, which has a one inch air space insulation.

2. The Material Code is one letter and designates the type of steel or steel combination from which the part is made. A stands for AL-29-4C inner/ 430SS outer.

3. The Diameter of the inner vent is designated by two numbers, for example, a 6 inch diameter would be 06.

4. The Part shape description is 1 to 4 letters and are as follows: AD adapter, AJ adjustable, BT Boot Tee, CV cover, DCV drain cover, E elbow, FC finish collar, FS firestop, GUY guy section, HZS horizontal support, L for length, NCR for increaser, RC for raincap, RDC reducer, RJ roof jack, TCF tall cone flashing, TM for termination, VTS vertical support, WP wall penetration.

5. The Qualifying description is 2 numbers and designates the length of a section, the angle of an elbow, or the second diameter size as on increasers and reducers and boot tees with a different diameter tap. Examples are 12 for a 12” long section or 90 for a 90 degree elbow.

An example of a part number is CCA14E90, which would be a CI Plus, CC; made from AL29-4C inner and 430SS outer, A; 14 inch diameter, 14; an elbow, E; 90 degree, 90.
Typical Outside Skin Temperature
Saf-T Vent CI and Saf-T Vent CI Plus
6” Diameter at 4 Hour Continuous Operation

<table>
<thead>
<tr>
<th>Model Double Wall 6” Diameter</th>
<th>Appliance Outlet Flue Temperature</th>
<th>Room Ambient Temperature</th>
<th>Location A 24” Vertical</th>
<th>Location B 60” Vertical</th>
<th>Location C 72” Vertical</th>
<th>Location D 96” Vertical</th>
<th>Location E 96” Vertical &amp; 60” Horizontal</th>
<th>Location F 96” Vertical &amp; 120” Horizontal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saf-T Vent CI 300°F / 149°C</td>
<td>75°F / 24°C</td>
<td>170°F / 77°C</td>
<td>137°F / 58°C</td>
<td>143°F / 62°C</td>
<td>148°F / 64°C</td>
<td>146°F / 63°C</td>
<td>134°F / 57°C</td>
<td></td>
</tr>
<tr>
<td>Saf-T Vent CI 380°F / 193°C</td>
<td>75°F / 24°C</td>
<td>212°F / 100°C</td>
<td>168°F / 76°C</td>
<td>171°F / 77°C</td>
<td>177°F / 81°C</td>
<td>173°F / 78°C</td>
<td>162°F / 72°C</td>
<td></td>
</tr>
<tr>
<td>Saf-T Vent CI 420°F / 216°C</td>
<td>75°F / 24°C</td>
<td>225°F / 107°C</td>
<td>176°F / 80°C</td>
<td>176°F / 80°C</td>
<td>190°F / 88°C</td>
<td>179°F / 82°C</td>
<td>169°F / 76°C</td>
<td></td>
</tr>
<tr>
<td>Saf-T Vent CI Plus 300°F / 149°C</td>
<td>75°F / 24°C</td>
<td>102°F / 39°C</td>
<td>110°F / 43°C</td>
<td>120°F / 49°C</td>
<td>135°F / 57°C</td>
<td>142°F / 61°C</td>
<td>132°F / 56°C</td>
<td></td>
</tr>
<tr>
<td>Saf-T Vent CI Plus 380°F / 193°C</td>
<td>75°F / 24°C</td>
<td>132°F / 56°C</td>
<td>124°F / 52°C</td>
<td>129°F / 58°C</td>
<td>149°F / 65°C</td>
<td>164°F / 73°C</td>
<td>151°F / 66°C</td>
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</tr>
<tr>
<td>Saf-T Vent CI Plus 420°F / 216°C</td>
<td>75°F / 24°C</td>
<td>138°F / 59°C</td>
<td>138°F / 59°C</td>
<td>126°F / 69°C</td>
<td>157°F / 77°C</td>
<td>170°F / 77°C</td>
<td>161°F / 72°C</td>
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</tr>
</tbody>
</table>

Outside Skin Temperature
- From 96” Vertical To 60” Horizontal

Outside Skin Temperature
- At 96” Vertical
- At 72” Vertical
- At 60” Vertical
- At 24” Vertical

Flue Temperature At Appliance Outlet
Field Applied Sealant (18” - 32” Inner Vent Diameter):

In order to have a UL Listed system, Model CI Plus/CI 316 components must be installed with one of the approved sealants shown in the table below. Momentive RTV 106 and Dow Corning 736 are Silicone RTV sealants. SGV 550 is a Fluoroelastomer FKM sealant and provides increased corrosion resistance when compared to Silicone.

![Image of sealant and gasket](image)

<table>
<thead>
<tr>
<th>Sealant</th>
<th>Size</th>
<th>Heatfab Part Number</th>
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<tr>
<td>Momentive RTV 106</td>
<td>2.8 oz tube</td>
<td>7000RTV</td>
</tr>
<tr>
<td>Dow Corning 736</td>
<td>10.1 oz cartridge</td>
<td>7000RTVL</td>
</tr>
<tr>
<td>SGV 550</td>
<td>10.1 oz cartridge</td>
<td>7000 FKM</td>
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</tbody>
</table>

**Approximate Coverage**

The table below shows the approximate number of installed joints that can be completed with a container of sealant. These figures are based on a 1/4” bead of sealant. Actual coverage may vary.

Note: In planning the sealant required for an installation, please be aware that certain fittings require additional sealant in order to achieve a proper positive-pressure seal. The following types of parts should be counted as 2 joints toward the Sealant coverage table:

- Boiler Starters
- Adjustable Sections
- Flue Collar Adapters
- Boot Tees

<table>
<thead>
<tr>
<th>Inner Vent Diameter, Inches</th>
<th>3 oz Tube</th>
<th>10 oz Cartridge</th>
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<tbody>
<tr>
<td>18</td>
<td>4</td>
<td>14</td>
</tr>
<tr>
<td>20</td>
<td>4</td>
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<tr>
<td>22</td>
<td>3</td>
<td>12</td>
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<td>30</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>32</td>
<td>2</td>
<td>8</td>
</tr>
</tbody>
</table>

The table below shows the number of joints that can be completed with a container of lubricant. Actual coverage may vary.

Note: In planning the lubricant required for an installation, please be aware that certain fittings require additional lubricant in order to achieve a proper positive-pressure seal. The following types of parts should be counted as 2 joints toward the Lubricant coverage table:

- Boiler Starters
- Adjustable Sections
- Flue Collar Adapters
- Boot Tees

<table>
<thead>
<tr>
<th>Inner Vent Diameter, Inches</th>
<th>5 oz Tube</th>
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<tr>
<td>4”</td>
<td>50</td>
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<tr>
<td>5”</td>
<td>40</td>
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<tr>
<td>6”</td>
<td>38</td>
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<td>7”</td>
<td>36</td>
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<td>8”</td>
<td>28</td>
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<td>9”</td>
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<td>10”</td>
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<tr>
<td>12”</td>
<td>18</td>
</tr>
<tr>
<td>14”</td>
<td>14</td>
</tr>
<tr>
<td>16”</td>
<td>12</td>
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</table>

Factory Installed Gasket - Lubricant (4”-16” inner Vent Diameter):

Model CI 316 components (identified by a -316 suffix in the part number) utilize an integral gasket made of Silicone material (color red) for joint connection and it is required to apply gasket lubricant (p/n 7001SIL-5, sold separately) to the factory installed gasket when assembling the pipe. Apply lubricant directly to the gasket on the inside female pipe end, both edges of gasket (reference table above for usage amounts).

Model CI Plus components, starting November 13, 2017, will begin phasing in an integral gasket made of Fluoroelastomer FKM material (color black) for joint connection. The FKM material does not require a lubricant to be applied when assembling the pipe; if desired, gasket lubricant (p/n 7001SIL-5) or soapy water can be applied. If the component was produced prior to November 13, 2017, it utilizes a gasket made of silicone material (red color) and it is required to apply gasket lubricant (reference above paragraph).
Saf-T Vent® CI Plus
DOUBLE WALL AL 29-4C® SPECIAL GAS VENT

Accessories:

Universal Boiler Adapter—Used horizontally or vertically to adapt Saf-T Vent CI Plus to nominal diameter flue collars, it can also adapt to boiler collars that are slightly out of round. The adapter comes with a joint locking strap, boiler collar clamp and a coupler band.

<table>
<thead>
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<th>Part Number</th>
<th>DIM - A</th>
<th>DIM - B</th>
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<td>Nominal</td>
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<td>CCA05ADUV</td>
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<td>7.3</td>
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<td>CCA07ADUV</td>
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<td>CCA32ADUV</td>
<td>32</td>
<td>34.3</td>
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</table>

Adapter From CI Plus to EZ Seal Plus/EZ Seal Plus To CI Plus—Used horizontally or vertically to adapt to or from Saf-T Vent CI Plus nominal diameter to Saf-T Vent EZ Seal Plus. The adapter consists of a joint locking strap with tabs for connecting to the Saf-T Vent EZ Seal Plus ring.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A</th>
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<tbody>
<tr>
<td></td>
<td>Nominal Vent Diameter</td>
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</table>
**Saf-T Vent® CI Plus**

**DOUBLE WALL AL 29-4C® SPECIAL GAS VENT**

**Accessories:**

**Double Male Adapter** — This adapter is to be used in conjugation with an universal adapter when attaching to an in-line draft inducing fan that has a collar at the inlet.

<table>
<thead>
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<th>Part Number</th>
<th>DIM - A</th>
<th>Diameter</th>
<th>Installed Length</th>
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**Double Flange Adapter** — This adapter can be used to attach a flanged in-line damper or balancing baffle to Saf-T Vent products. Adapter comes in two sections, a male and a female end connection.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A</th>
<th>Diameter</th>
<th>Installed Length</th>
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<td>CCA32PS</td>
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</table>
**Fire Stop** — A firestop may be required anytime Saf-T Vent CI Plus penetrates combustible floors, walls, or ceilings. Remove any insulating material from the floor, wall or ceiling cavity for at least 1” around the vent for diameters 4” - 24” and 2” around the vent for diameters 26” - 32”. Review fire codes and consult with local building code officials to determine the necessity for a firestop. The stainless steel firestop may be trimmed provided the required clearances are maintained.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A</th>
<th>Vent Diameter</th>
<th>DIM - B</th>
<th>DIM - C</th>
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**Condensate Drain Tube Kit** — This kit contains a length of high temperature silicone rubber tubing, a clamp, and two cable ties. The silicone tubing is rated for 500°F, and is translucent to allow inspection of the P-trap. Larger diameter drains can be plumbed directly into a drain system.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>7000TUBE</td>
<td>5 feet of 3/8&quot; diameter tubing</td>
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<tr>
<td>7000TUBE-10</td>
<td>10 feet of 3/8&quot; diameter tubing</td>
</tr>
<tr>
<td>7001TUBE</td>
<td>10 feet of 1/2&quot; diameter tubing</td>
</tr>
</tbody>
</table>
Accessories:

**In-Line Damper Section** — Use to adjust the flow in positive pressure applications. Can also be used to restrict back flow when the appliance is off. Each damper comes with an 18" long coupler, a locking strap, a rotating clamp, and a motor platform. The shaft is 3/8" diameter.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A Nominal Inner Diameter</th>
<th>DIM-B Nominal Outer Jacket</th>
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**Vent Flow Regulator** — Use only in conjunction with an in-line or termination fan to balance the flow of the exhaust gases when inducing a draft.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A Nominal Inner Diameter</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>
**Saf-T Vent® CI Plus**

**DOUBLE WALL AL 29-4C® SPECIAL GAS VENT**

**Accessories:**

**In-Line Probe Section** — Use to attach probes to the vent system by means of a 1/4” NPT female fitting. Can be used vertically or horizontally. Comes standard with a coupler made of 430 stainless steel with an outlet for the probe fitting, a 1/4” NPT plug, a locking strap and a rotating clamp for directional changes.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A Nominal Inner Diameter</th>
<th>DIM - B Nominal Diameter</th>
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Saf-T Vent® CI Plus
DOUBLE WALL AL 29-4C® SPECIAL GAS VENT

Accessories:

**Horizontal/Vertical In-Line Drain Section** — Use to drain away condensate from the vent system. The unique design of this part allows it to be installed in a horizontal, vertical or inclined orientation. Continuous horizontal runs in excess of 30 feet require a condensate drain. High temperature silicone tubing is available separately. The outer jacket consists of an 12" long coupler made of 430 stainless steel with an outlet for the drain and also comes standard with a locking strap and a rotating clamp.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A (Nominal Diameter Inner Diameter)</th>
<th>DIM - B (Nominal Diameter Outer Jacket)</th>
<th>DIM - C (Installed Length)</th>
<th>DIM - D (Drain Diameter OD)</th>
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</table>

**Coupler (included)**

**In-Line Drain Section**

**Drain Tube Kit (sold separately)**
**Saf-T Vent® CI Plus**

**DOUBLE WALL AL 29-4C® SPECIAL GAS VENT**

**Boot Tees & Covers:**

**Tee Cover with Drain Fitting** — Use at the base of a Boot Tee to drain away condensate from a vent system. High temperature silicone tubing is available separately. The drain cover comes standard with a locking strap and finish coupler. Other drain options are available on larger diameters upon request, contact Heatfab’s Engineering Team.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A Nominal Diameter Inner Diameter</th>
<th>DIM - B Nominal Diameter Outer Jacket</th>
<th>DIM - C Height</th>
<th>DIM - D Drain Diameter OD</th>
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</table>

*1/2” female coupler

![Drain Cover Diagram](image)
Boot Tees & Covers:

**Tee Cover**— Use to cap off the male end of a Boot Tee body that is installed horizontally. The tee cover / boot tee combination allows for the future addition of appliances to a common-vent system. The cover comes with a locking strap and a finish coupler that is made of the same 430 stainless steel as the outer jacket to give a finished look to the installation.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A Nominal Inner Diameter</th>
<th>DIM - B Nominal Diameter Outer Jacket</th>
<th>DIM - C Height</th>
</tr>
</thead>
<tbody>
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<td>CCA04CV</td>
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Boot Tee — Use vertically or horizontally to add appliances into a common-vent system. When installed horizontally, the male end of the tee body may be capped off with a tee cover to allow for future appliances. When used in conjunction with a drain tee cover, the boot tee will effectively transition a vent system from a horizontal to a vertical orientation while allowing for proper condensate drainage. The pressure drop through the tap for this fitting is equivalent to 15 feet of horizontal vent. Both inlet connections rotate to accommodate direction changes. Each Boot Tee comes standard with a coupler, one joint locking strap and two rotating clamps.

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*Also available as a Sloped Boot Tee to allow for easier upward pitch in horizontal runs; p/n ...SBT

**Lateral 45 deg Tees & Double Lateral Tees (aka Wyes and Double Wyes) are also available upon special request
Boot Tees with Reducing Tap:

**Boot Tee** — Use vertically or horizontally to add appliances into a common-vent system. When installed horizontally, the male end of the tee body may be capped off with a tee cover to allow for future appliances. When used in conjunction with a drain tee cover, the boot tee will effectively transition a vent system from a horizontal to a vertical orientation while allowing for proper condensate drainage. The pressure drop through the tap for this fitting is equivalent to 15 feet of horizontal vent. Both inlet connections rotate to accommodate direction changes. Each boot tee comes standard with a coupler, one joint locking strap, and two rotating clamps. Other diameter configurations may be available. Please contact Heatfab’s Engineering Team to discuss your special needs.

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*Also available as a Sloped Boot Tee to allow for easier upward pitch in horizontal runs; p/n ...SBT

**Lateral 45 deg Tees & Double Lateral Tees (aka Wyes and Double Wyes) are also available upon special request**
Square Tees:

Square Tee — Due to the significant pressure drop of this fitting, Heat-fab recommends it be used as an inspection port only. Use vertically or horizontally to add appliances into a common-vent system. When installed horizontally, the male end of the tee body may be capped off with a tee cover to allow for future appliances. When used in conjunction with a drain tee cover, the square tee will effectively transition a vent system from a horizontal to a vertical orientation while allowing for proper condensate drainage. The pressure drop through the tap for this fitting is equivalent to 45 feet of horizontal vent. Both inlet connections rotate to accommodate direction changes. Each Square Tee comes standard with a coupler, one joint locking strap, and two rotating clamps.

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### Barometric Tees:

**Barometric Tee** — Use to attach a standard barometric damper (supplied by others) to the vent system. Use only if recommended by the appliance manufacturer and a qualified designer of vent systems. Each barometric tee comes standard with a coupler and a joint locking strap.

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Increases:

**Increaser** — Use to upsize a vent system. The term “increaser” is based on an increase in vent diameter in the direction of flue gas motion.Increasers are eccentric to allow for proper drainage of condensate when installed horizontally. Each increaser comes standard with a coupler that will fit the outlet diameter. Other diameter configurations may be available; please contact Heat-fab’s Engineering Team to discuss your special needs.

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Reducers:

Reducer — Use to downsize the vent system when adding a fan to the system. The term “reducer” is based on a reduction in vent diameter in the direction of flue gas motion. Reducers are eccentric to allow for proper drainage of condensate when installed horizontally. Each reducer comes standard with a coupler that will fit the outlet diameter. Other diameter configurations may be available; please contact Heat-fab’s Engineering Team to discuss your special needs.

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**15° Elbow**— Use to achieve offsets or changes in the direction of the vent system. The degree of these welded seam elbows is not adjustable. The pressure drop for this fitting is equivalent to 3 feet of horizontal vent. The inlet connection rotates to accommodate direction changes. Each elbow comes standard with a coupler, joint locking strap, and a rotating clamp.

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**Elbows:**

**30° Elbow** — Use to achieve offsets or changes in the direction of the vent system. The degree of these welded seam elbows is not adjustable. The pressure drop for this fitting is equivalent to 5 feet of horizontal vent. The inlet connection rotates to accommodate direction changes. Each elbow comes standard with a coupler, joint locking strap, and a rotating clamp.

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45° Elbow — Use to achieve offsets or changes in the direction of the vent system. The degree of these welded seam elbows is not adjustable. The pressure drop for this fitting is equivalent to 8 feet of horizontal vent. The inlet connection rotates to accommodate direction changes. Each elbow comes standard with a coupler, joint locking strap, and a rotating clamp.

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**Saf-T Vent® CI Plus**

**DOUBLE WALL AL 29-4C® SPECIAL GAS VENT**

**Elbows:**

### 90° Elbow — Use to achieve offsets or changes in the direction of the vent system. The degree of these welded seam elbows is not adjustable. The pressure drop for this fitting is equivalent to 15 feet of horizontal vent. The inlet connection rotates to accommodate direction changes. Each elbow comes standard with a coupler, joint locking strap, and a rotating clamp. For diameters above 24” use two 45° elbows.

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* These sizes don’t follow sequence of dimensions

Also available as an 88 degree elbow to allow for easier upward pitch; p/n ....E88
**Saf-T Vent® CI Plus**

**DOUBLE WALL AL 29-4C® SPECIAL GAS VENT**

**Elbows:**

**Tight Radius 90° Elbow**— Use to achieve offsets or changes in the direction of the vent system where a conventional long radius 90 degree elbow will not fit. The degree of these welded seam elbows is not adjustable. The pressure drop for this fitting is equivalent to 15 feet of horizontal vent. The inlet connection rotates to accommodate direction changes. Each elbow comes standard with a coupler, joint locking strap, and a rotating clamp.

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Also available as an 88 degree elbow to allow for easier upward pitch; p/n ....E88TR
Saf-T Vent® CI Plus
DOUBLE WALL AL 29-4C® SPECIAL GAS VENT

Straight Lengths:

**Horizontal and Vertical** — When used horizontally, install vent with a continuous pitch of 1/4” per foot, sloping upward toward the termination, draining back toward the appliance or inline drain. It is important to provide adequate support to a Saf-T Vent CI Plus system, refer to installation instructions for support specifications. Each section comes with a coupler and a joint locking strap.

### 6” Length

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Saf-T Vent® CI Plus
DOUBLE WALL AL 29-4C® SPECIAL GAS VENT

Straight Lengths:

**Horizontal and Vertical** — When used horizontally, install vent with a continuous pitch of 1/4" per foot, sloping upward toward the termination, draining back toward the appliance or inline drain. It is important to provide adequate support to a Saf-T Vent CI Plus system, refer to installation instructions for support specifications. Each section comes with a coupler and a joint locking strap.

**12” Length**

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**Saf-T Vent® CI Plus**  
**DOUBLE WALL AL 29-4C® SPECIAL GAS VENT**

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### 24", 36", 48" Length

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Adjustable Length:

**Long Adjustable Length** — The Saf-T Vent CI Plus Adjustable Section serves as a variable length between other components when specific lengths cannot be utilized. The installed length of the adjustable is 13” to 20”. Each adjustable section comes with a joint locking strap and a coupler, which can be field cut. It is important to provide adequate support to a Saf-T Vent CI Plus system, refer to installation instructions for support specifications.

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Adjustable Length:

**Short Adjustable Length** — The Saf-T Vent CI Plus Adjustable Section serves as a variable length between other components when specific lengths cannot be utilized. The installed length of the adjustable is 7” to 11”. Each adjustable section comes with a joint locking strap and a coupler, which can be field cut. It is important to provide adequate support to a Saf-T Vent CI Plus system, refer to installation instructions for support specifications.

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**Guy Support Section** — Provides vertical support using a part that is a flue-gas-carrying component of the vent system. Guy sections are primarily installed in long, inaccessible chases or used to provide support to systems with extended lengths above the roofline. Attach the guy section using stainless steel or galvanized cables or chain (supplied by others). Each guy section comes with a coupler and a joint locking strap. Refer to installation instructions for spacing between supports.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A Nominal Diameter</th>
<th>DIM - B Installed Height</th>
<th>DIM - C Hole Diameter</th>
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Supports:

**Floor Support** — Use as a support between floors. Can also be used inside an accessible chase with the addition of site designed support brackets.

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<th>DIM - C</th>
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</table>

**Vertical Support Plate** — Use as a vertical stack support. Can be used horizontally if needed. Framework is by others, utilizing typical construction components such as angle iron or unistrut type material. Support section is fully assembled and includes a joint band. Refer to installation instructions for spacing between supports.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>DIM - A</th>
<th>DIM - B</th>
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<td>CCA09VSP</td>
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</table>
**Saf-T Vent® CI Plus**

**DOUBLE WALL AL 29-4C® SPECIAL GAS VENT**

**Supports:**

**Vertical Support** — Use to support Saf-T Vent CI Plus systems, the part number CCA_VTS4 maintains a 4” clearance to combustible materials and the CCA_VTS maintains a 1” clearance to combustible materials. Refer to the installation instructions for placement of supports.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inner Vent Diameter</th>
<th>DIM - A Nominal Outer Jacket Diameter</th>
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</thead>
<tbody>
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Part Number          | Inner Vent Diameter | DIM - A Nominal Outer Jacket Diameter |
---------------------|---------------------|-------------------------------------|
CCA04VTS            | 4                   | 6.3                                 |
CCA05VTS            | 5                   | 7.3                                 |
CCA06VTS            | 6                   | 8.3                                 |
CCA07VTS            | 7                   | 9.3                                 |
CCA08VTS            | 8                   | 10.3                                |
CCA09VTS            | 9                   | 11.3                                |
CCA10VTS            | 10                  | 12.3                                |
CCA12VTS            | 12                  | 14.3                                |
CCA14VTS            | 14                  | 16.3                                |
CCA16VTS            | 16                  | 18.3                                |
CCA18VTS            | 18                  | 20.3                                |
CCA20VTS            | 20                  | 22.3                                |
CCA22VTS            | 22                  | 24.3                                |
CCA24VTS            | 24                  | 26.3                                |
Support Hangers:

**Horizontal Support for Large Diameter** — Typical for large diameter support. Provides horizontal support for the Saf-T Vent CI Plus system. Diameters 24” thru 32” must have support every 6 feet of horizontal run. The support may be attached from the center of the bracket or from the sides of the support bracket. Support hangers by themselves do not maintain the necessary clearances to combustible materials; be sure to consider clearances when planning the system. Refer to installation instructions for spacing between supports.

<table>
<thead>
<tr>
<th>Part Number</th>
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<th>DIM - B</th>
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</table>

**Support Clamp** — Typical for smaller diameter support. For use on horizontal systems to provide support at the required 6-foot intervals. Support clamps by themselves do not maintain the necessary clearances to combustible materials; be sure to consider clearances when planning the system. Support clamps are sold in pairs, with two half-shells, and two 1/4-20 nuts and bolts. This part is made from 18-gauge Type 304 stainless steel and should not be installed in the direct path of flue gases. Can also be used as guy support clamps, vertically as well as horizontally. Refer to installation instructions for spacing between supports.

<table>
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Saf-T Vent® CI Plus
DOUBLE WALL AL 29-4C® SPECIAL GAS VENT

Supports:

**Roof Jack Support System**— For use with vertical terminations. Use to pass through combustible and noncombustible roof structures. The roof jack support system must be installed on a flat roof or a level curb only. Each roof jack support system includes a storm collar that provides support and when sealed, acts as a water barrier. Cannot be used in a chase with a 1" clearance to vent. Refer to Tall Cone Flashing. Refer to installation instructions for spacing between supports.

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Inner Diameter of Roof Jack</th>
<th>DIM - A</th>
<th>DIM - B</th>
<th>DIM - C</th>
<th>DIM - D</th>
<th>DIM - E</th>
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</tbody>
</table>

Roof Jack Support System
Saf-T Vent® CI Plus
DOUBLE WALL AL 29-4C® SPECIAL GAS VENT

Supports:

Tall Cone Flashing and Support—Use as a vertical roof penetration/support in conjunction with a combustible chase. Can be used with a roof curb if needed. Can be used on metal roofs with a 2-12 pitch. This part comes with a storm collar and support screws and is of all stainless steel construction. A Vented Termination Collar must be used when installed in a combustible chase and must be ordered separately. CAUTION: the support screws can only be installed with Saf-T Vent CI Plus venting.

<table>
<thead>
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<th>DIM-A Top of Cone Opening</th>
<th>DIM - B Bottom of Cone (Square)</th>
<th>DIM - C Face Plate Height</th>
<th>DIM - D Overall of Holes</th>
<th>DIM-E Quantity</th>
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Tall Cone Flashing and Support

Ø.25 HOLE EQUALLY SPACED
Pitched Tall Cone Flashing — Use as a vertical roof penetration in conjunction with a combustible chase. Can be used on roofs with a 2/12 - 6/12 pitch. This part comes with a storm collar and is of all stainless steel construction. A Vented Termination Collar must be used when installed in a combustible chase and must be ordered separately. Can be used with Saf-T Vent CI vent when clearance to combustibles are maintained.

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Terminations:

**Wall Termination / Penetration** — Use to penetrate any combustible or non-combustible wall. This part is a thimble only and does not include any vent. Order enough vent to pass through the thimble and extend 4-8 inches beyond the building sheathing. Includes an AL 29-4C® screen cover and a vent finish collar to terminate the vent system.

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<tr>
<th>Part Number</th>
<th>Inner Vent Diameter</th>
<th>DIM - A Diameter</th>
<th>DIM - B Diameter</th>
<th>DIM - C Width</th>
<th>DIM - D Height</th>
<th>DIM - E Overall Length</th>
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![Wall Termination / Penetration Diagram](image-url)
**Terminations:**

**Wall Penetration** — Use to penetrate any combustible or non-combustible wall. This part is a thimble only and does not include any vent. Order enough vent to pass through the thimble and extend 4-8 inches beyond the building sheathing. Includes a finish collar.

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Terminations:

**Rain Cap** — Use as a termination on vertical systems. Category I and II appliances require a raincap with wind protection. Vent systems for positive pressure appliances may omit the raincap if there are other provisions for draining rainwater from the system. The raincap may also be used as a horizontal termination. Each raincap includes a joint locking strap as well as a storm collar. Call Heat-fab to inquire about larger diameters.

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<th>DIM - C</th>
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**Screened Termination** — Use as a termination on horizontal or vertical systems, as specified or allowed by the appliance manufacturer. The screened termination comes with a joint locking strap and a finish collar. Made of AL29-4C.

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Terminations:

**Exit Cone** — Use as a termination to increase the velocity of the flue gases exiting the stack. The exit cone may also help to reduce ice buildup in cold climates where a rain cap may normally be used. A narrow Finish Collar is included to seal off the 1" air space of the CI Plus vent. The Exit Cone can be attached to EZ Seal Plus/EZ 316 vent systems by folding the EZ Seal Plus/EZ 316 tabs thru the locking strap on the Exit Cone.

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Termination Accessories:

**Finish Collar** — The collar is used to close off air space between inner vent and outer jacket. For use on horizontal or vertical systems.

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**Ventilation Collar** — The ventilation collar is installed over the air space between the inner vent and outer jacket and allows any built up heat to escape. The ventilation collar must be used on Tall Cone Flashing installations with a combustible chase. For use on horizontal and vertical systems.

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Saf-T Vent® CI Plus

DOUBLE WALL AL 29-4C® SPECIAL GAS VENT

Notes:
Notes:
Saf-T Vent® CI Plus
DOUBLE WALL AL 29-4C® SPECIAL GAS VENT

Notes: