Installation and Maintenance Instructions

Saf-T Vent® CI Plus

Double Wall
AL 29-4C® Stainless Steel
Special Gas Vent and Type L 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.

IMPORTANT: DO NOT INSTALL THIS PRODUCT UNTIL YOU HAVE READ AND FULLY UNDERSTAND
THESE INSTALLATION INSTRUCTIONS. FAILURE TO COMPLY WITH THESE INSTRUCTIONS WILL
RESULT IN AN IMPROPER INSTALLATION AND WILL VOID ANY STATED WARRANTY.

- Examine all components for possible shipping damage prior to installation.
- Proper joint assembly is essential for a safe installation.
  Follow these instructions exactly as written.
  Check severeness of joints upon completion of assembly.
- This venting system must be free to expand and contract.
  This venting system must be supported in accordance with these instructions.
- Check for unrestricted vent movement through the walls, ceilings, and roof penetrations.
- All joints must be sealed with a factory adhered seal or either GE RTV 106 sealant or
  Dow Corning #736 sealant.
  Allow any field-applied sealant to cure for 24 hours before operating the appliance.
- Different Manufacturers Have Different Joint Systems and Adhesives.
  Do Not Mix Pipe, Fittings, or Joining Methods from Different Manufacturers.

heatfab
High-performance chimneys and vents

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Turners Falls, MA 01376
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Saf-T Vent CI Plus is a double wall Special Gas Vent that is UL Tested and Listed to the UL 1738 Standard. Saf -T Vent CI Plus is appropriate for use on Category I, II, III and IV gas fired appliances with maximum flue gas temperatures of 550°F. Non categorized condensing appliances and appliances that call for AL29-4C vent systems are also appropriate for Saf-T Vent CI Plus.

Saf-T Vent CI Plus has been tested at 2 1/2 times its positive pressure rating of 15" W.C.

Saf-T Vent Model CI Plus is also for use with gas or oil fired appliances Listed as suitable for venting with type L venting systems and which its continuous flue gas temperature does not exceed 570°F (300°C).

NOTE: CI Plus Is also available with insulation in the annular space between the inner and outer walls. All installation requirements and instructions referenced throughout this document apply to both standard CI Plus and insulated CI Plus (ICI Plus). CI Plus and insulated CI Plus parts can be interchanged.

Install in accordance with these instructions and those of the appliance manufacturer. Consult the appliance manufacturer's instructions for the maximum horizontal length of the vent connector, as well as any restriction on total vent height, proper sizing of the vent, common venting considerations and procedures for connecting the vent to the appliance. The installation must conform to applicable NFPA/ANSI standards, as well as local codes. Contact the authority having jurisdiction prior to beginning any work to obtain any required permits.

Pre-Installation Considerations:
- Proper planning prior to installation is essential as to avoid possible contact with concealed plumbing or electrical wiring inside walls, floors or ceilings as well as maintaining proper clearances. Be sure to plan a sufficient number of supports for the entire system that will maintain the required straight-line pitch and hold the system in place. A continuous straight-line pitch of at least 1/4 inch (2 degrees) to the foot on horizontal runs must be maintained in order to properly rid the system of the corrosive condensate.

General Installation Requirements:
- The appliance manufacturer's instructions take precedence over this document.

- Failure to conform to any of these requirements may violate local, state, national or international codes as well as create conditions which may cause catastrophic property damage or personal injury. Failure to conform to any of these requirements will also void any warranties, stated or implied.

- Saf-T Vent CI Plus vent sections, or other Saf-T Vent products, *must* be used throughout the entire length of the system. Alternatives such as galvanized pipe, PVC, nonmetallic pipe, prefabricated chimney, field-fabricated vents or Type B vent sections must not be used. Do not mix pipes, fittings, or joining methods from different manufacturers.

- If called for by the appliance manufacturer's instructions, a drain fitting must be located as close as possible to the appliance flue outlet.

- All joints must be sealed with a factory adhered seal or either GE RTV 106 sealant or Dow Corning #736 sealant. Allow any field-applied sealant to cure for 24 hours before operating the appliance.

- More than one appliance may not be interconnected to any part of the venting system, unless specifically allowed by each of the appliance manufacturers' instructions. Under *no* circumstances should a natural draft appliance be interconnected with a forced draft appliance. All connected appliances must be all natural draft or all forced draft. When venting multiple forced draft appliances, precautions must be taken to prevent back flow of draft.
- Any penetrations of ceilings, floors, or walls must be properly fire-stopped.

- Whenever gas-burning equipment is installed in the same space where halogenated substances may exist (refrigerants, solvents, bleaches, salts, etc.), clean outside air must be utilized for combustion.

- The vent system shall not be routed into, through or within any other actively used vent or chimney.

Definitions:

AL 29-4C - A superferritic stainless steel alloy designed by Allegheny Ludlum for extreme resistance to chloride ion pitting, crevice corrosion and stress corrosion cracking. Equivalent material made by other manufacturers may be identified by the UNS designator S44735.

Category I Appliance - An appliance which operates with a non-positive vent static pressure and with a vent gas temperature that avoids excessive condensate production in the appliance.

Category II Appliance - An appliance which operates with a nonpositive vent static pressure and with a vent gas temperature that may cause excessive condensate production in the appliance.

Category III Appliance - An appliance that operates with a positive vent static pressure and with a vent gas temperature that avoids excessive condensate production in the appliance.

Category IV Appliance - An appliance that operates with a positive vent static pressure and with a vent gas temperature that may cause excessive condensate production in the appliance.

Combustible Material - Any material made of or surfaced with wood, compressed paper, plant fibers, or other materials that are capable of being ignited or burned. Such material shall be considered combustible even though it is flame-proofed, fire-retardant treated, or plastered. (Source: NFPA54/ANSI Z223.1-1999.)

Condensate - The liquid that separates from the vent gases due to a reduction in temperature or increase in pressure.

Condensing Type Appliance - Any Category II or IV appliance. During start-up, some Category III appliances may also produce condensate in the vent.

Non-Combustible Material - Any material that is not capable of being ignited and burned, such material consisting entirely of, or of a combination of, steel, iron, brick, tile, concrete, slate, asbestos, glass, and plaster. (Source: NFPA54/ANSI Z223.1-1999).

Special Gas Vent - Gas vents for venting listed Category II, III, and IV, gas-burning appliances.

Type L Vent - Vent systems for use with gas and oil fired appliances Listed as suitable for venting with Type L venting systems.

UL 1738 - A standard issued by Underwriters Laboratories that covers the requirements for venting systems intended for use on Category II, III, or IV gas- burning appliances.

Vent Connector - The vent or pipe which connects a fuel-gas burning appliance to a vent or chimney.

Clearances to Combustibles:

Gas: Special Gas Vent

DIAMETER	CLEARANCE TO COMBUSTIBLE MATERIAL	MAXIMUM FLUE GAS TEMP. (°F)	ORIENTATION	ENCLOSURE
4" - 24"	1"	550	Vertical	Fully enclosed by combustible material on all sides
26" - 32"	2"			
4" - 32"	Not Allowed	550	Horizontal	Fully enclosed by combustible material on all sides
4" - 8"	1"	550	Horizontal	Enclosed on a maximum of 2 sides (ceiling & sidewall)
9" - 12"	2"			
14"	3"			
16" - 20"	4"			
22" - 24"	5"			
26" - 32"	6"			
4" - 32"	0"	550	Any	Noncombustible material

Oil: Type L-Vent

4"- 8" CI Plus	3"	570	Any	Enclosed
4"- 32" CI Plus & ICI Plus	3"	570	Any	Un-Enclosed
4"- 24" ICI Plus	3"	570	Any	Enclosed

- The permitted clearances may differ by the appliance manufacturer. The appliance manufacturer's instructions and applicable local codes take precedence over this document.

- Refer to the Definitions section of this document for important descriptions of combustible and noncombustible material.

- For venting system that extend through any zone above that on which the connected appliance is located (except for one and two family dwellings), the vent system shall be enclosed with an enclosure having a fire resistance rating equal to or greater than that of the floor or roof assemblies through which it passes.

- Design any enclosure to permit inspection of the system.

- Do not place any type of insulation in any required clearance spaces surrounding the vent system.

Horizontal Installation Requirements:

1. The horizontal vent connector must slope **upward** toward the termination at least 1/4 inch per foot and be installed so that all condensate runs back toward the appliance and is not retained in any part of the venting system. EXCEPTION: If the system is connected to positive pressure (Category III or IV) appliances only, terminates with a horizontal termination, and has no provision for draining condensation and/or rain water; then the vent must pitch **downward** toward the termination. This pitch must also be at least 1/4 inch per foot (2 degrees).

2. The vent system must terminate with one of the Saf-T Vent terminations or other terminations as specified or provided by the appliance manufacturer, or approved mechanical vent devices.

3. The Termination Location:

 (a) The vent shall terminate at least 3 feet above any forced air inlet located within 10 feet.

 (b) The vent shall terminate at least 4 feet below, 4 feet horizontally from or 1 foot above AND 2 feet horizontally from any door, window or gravity air inlet into any building. Exception: Direct Vent appliances may be listed for alternate spacing.

 (c) The vent termination shall be at least 12 inches above grade or, in geographical areas where snow accumulates, at least 12 inches above the anticipated snow line.

 (d) Through-the-wall vents for Category II and IV appliances and noncategorized condensing appliances shall not terminate over a public walkway or an area where condensate or vapors could create a nuisance or hazard or could be detrimental to the operation of regulators, relief valves or other equipment. In colder climates where ice buildup is likely to occur, Selkirk Corporation will **NOT** be held liable for any personal injury or property damage due to any formation of ice.

 (e) The vent termination shall also be at least 8 feet horizontally from any combustion air intake, located above it.

 (f) Horizontal supports are required for every 6 feet of horizontal run and after every transition from vertical to horizontal.

4. The total continuous distance of the vent system from the appliance flue collar to the termination shall not exceed that specified in the appliance manufacturer's installation instructions. When venting natural draft appliances the termination must be at least 5 feet above the topmost draft hood. Otherwise a Listed mechanical draft inducing device is required.
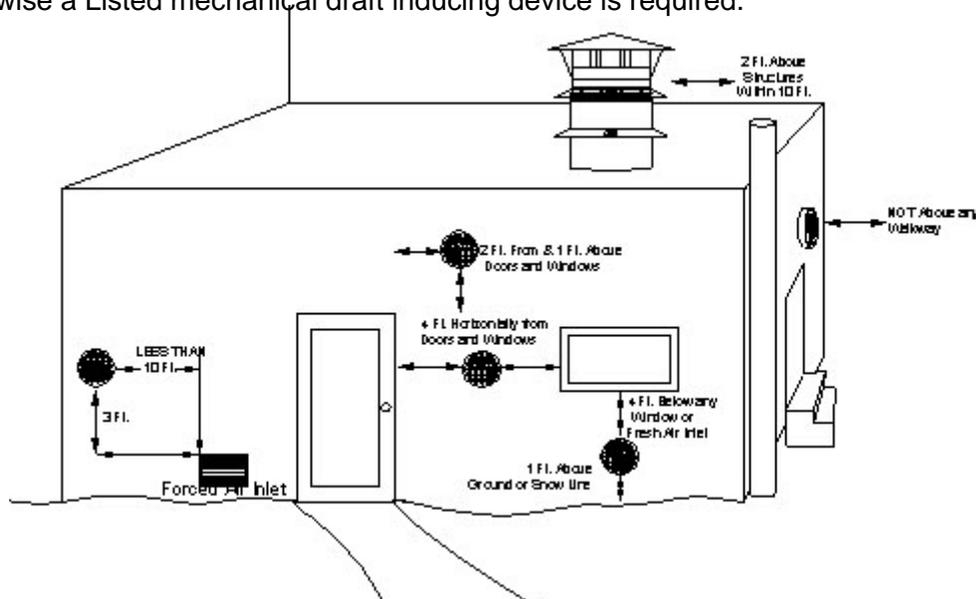
Vertical Installation Requirements:

1. The vent system must terminate at least 3 feet above the roof line and at least 2 feet higher than any portion of the building within 10 feet.

2. When terminated at a height of more than 6 feet the stack must be supported by a Saf-T Vent CI Plus Guy Section.

3. The vent system must terminate with one of the Saf-T Vent Terminations;
except:
   (a) Category I or II appliances (natural draft) must use a Saf-T Vent Rain Cap.

   (b) Vent systems without provisions for draining rain water must use a Saf-T Vent Rain Cap.

   (c) Terminations or approved mechanical vent devices specified or provided by the appliance manufacturer are permitted.

4. The total continuous distance of the vent system from the appliance flue collar to the termination shall not exceed that specified in the appliance manufacturer's installation instructions. When venting natural draft appliances the termination must be at least 5 feet above the topmost draft hood. Otherwise a Listed mechanical draft inducing device is required.

5. In general, systems installed in cold climates perform best, and condensation is reduced, when the system is fully enclosed by some part of the building structure. When installing into a combustible square or rectangular vertical chase, the Coupler Band bracket must be positioned into a corner of the chase to provide the clearance as UL listed.

6. In cold climates do not install a condensate drain on the exterior of the building. Doing so may result in dangerous icy conditions on surfaces near the drain and may cause damage to the vent system and/or the building exterior. Selkirk Corporation will **NOT** be held liable for any personal injury or property damage due to any formation of ice.

7. Vertical supports are required after every transition to vertical and as specified in the table below. Vertical supports are also required after every offset elbow.

| Spacing Between Supports Unless Otherwise Noted	
Diameters	Spacing
4" thru 12"	20'
14" thru 18"	12'
20" thru 24"	10'
26" thru 32"	6'

Condensate Drains:

When An Internal Condensate Drain Is NOT Part of the Appliance:

● A Saf-T Vent CI Plus In-Line Drain Section or Boot Tee with a separate Drain Tee Cover is strongly recommended. Install this drain fitting as close to the appliance flue collar as possible.

● A condensate drain is required for every 30 feet of horizontal vent and at/near the bottom of a vertical stack.

● Use the In-Line Drain Section for a straight horizontal run. Rotate the fitting so that the drain tube is as vertical as possible.

● Use the Boot Tee at a transition from horizontal to vertical, and attach the Drain Tee Cover to the appropriate leg of the tee.

● A Condensate Drain Tube Kit is available to direct the condensate to an appropriate location, i.e. floor drain or vented sanitary sewer connection. A trap loop must be formed into the drain hose and must be a diameter that is at least four times the appliance's rated stack pressure in inches of water column or 3 inches, whichever is greater. Secure the loop with a cable tie. Prior to final assembly the trap loop must be 'primed' by pouring a small quantity of water into the drain hose.

● Follow all local and national codes and regulations for the draining of acidic condensate.

● In cold climates do not install a condensate drain on the exterior of the building. Doing so may result in dangerous icy conditions on surfaces near the drain and may cause damage to the vent system and/ or the building exterior. Selkirk Corporation will **NOT** be held liable for any injury or property damage due to formation of ice.
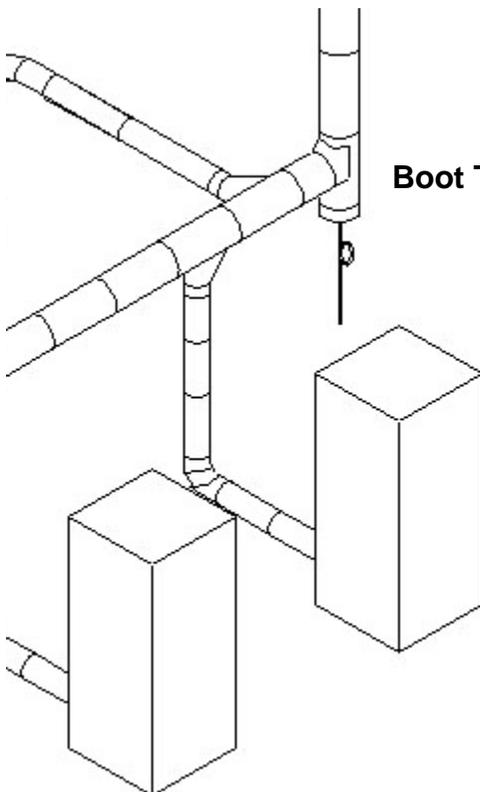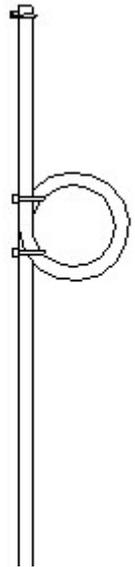
Boot Tee W/Drain Cover and Drain Tube
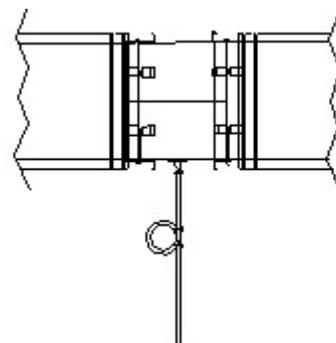
Horizontal In-Line Drain Section

RTV Sealant Specifications:

In order to have a UL Listed system, Saf-T Vent CI Plus parts *without* a factory adhered seal must be installed with one of the following approved RTV sealants:

Maximum Appliance Flue Gas Temperature	Sealant	Size	Heat-fab Part Number
	General Electric (GE) RTV 106	2.8 oz tube	7000RTV
570° F.	or	10.1 oz cartridge	7000RTVL
	Dow Corning 736		

Approximate Coverage

The table below shows the approximate number of installed joints that can be completed with a container of RTV sealant. These figures are based on a ¼" bead of sealant. Actual coverage may vary.

Inner Vent Diameter, Inches	Approximate Number of Joints	
	3 oz Tube	10 oz Cartridge
18	4	14
20	4	13
22	3	12
24	3	11
26	3	10
28	3	9
30	2	9
32	2	8

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

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

 *Diameters 4" thru 16" are manufactured with a factory adhered seal on the inside of the female end and will *not* need sealant in the joint.

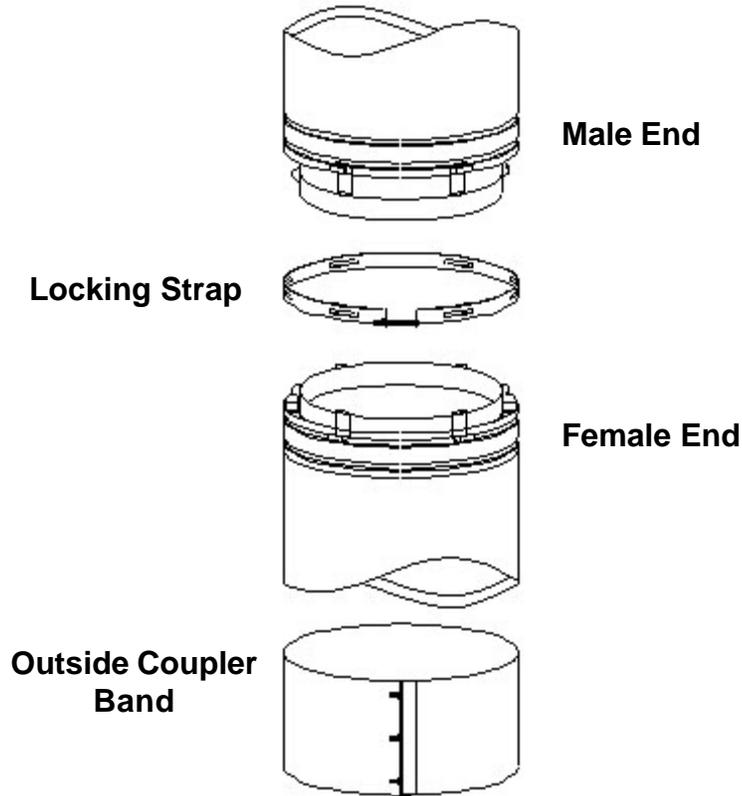**Silicone Lubricant: Heatfab Part Number: 7001SIL-5**

Use as an aid when assembling Saf-T Vent CI Plus double wall, Saf-T Vent EZ Seal single wall and Saf-T Vent SC sealed combustion joints which have the silicone seal installed in the female end. Apply a very thin film of silicone compound lubricant directly to gasket on inside of female end or to the leading edge of outside surface on male end.

Silicone Seal

FEMALE END
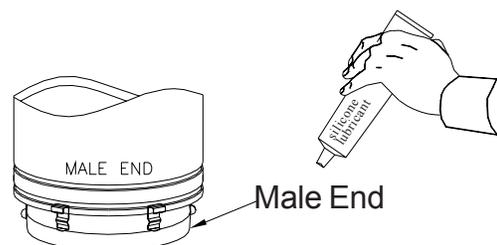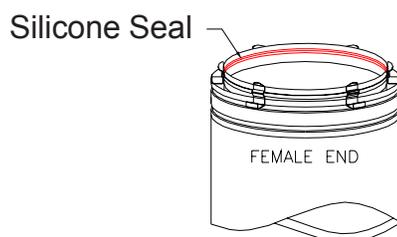
MALE END

Male End

Joint Assembly Instructions for Straight Lengths:

Note: Diameters 4" thru 16" are manufactured with a factory adhered seal on the inside of the female end and will **not** need sealant in the joint.

1. Begin by removing the Locking Strap and Coupler Band from the vent.

Male End

Locking Strap

Female End

Outside Coupler Band

2. Wipe the male and female ends clean with alcohol wipes. On diameter sizes **without** the gasket, at 3/4" from the edge, apply a 1/4" thick continuous, straight-line bead of high temperature sealant to the inside circumference of the female end. Do not use a zig-zag pattern when applying sealant. Smooth down the bead with a flat instrument or your moistened finger.

Wipe Ends With Alcohol Pads

**Apply RTV Sealant See Note Above**
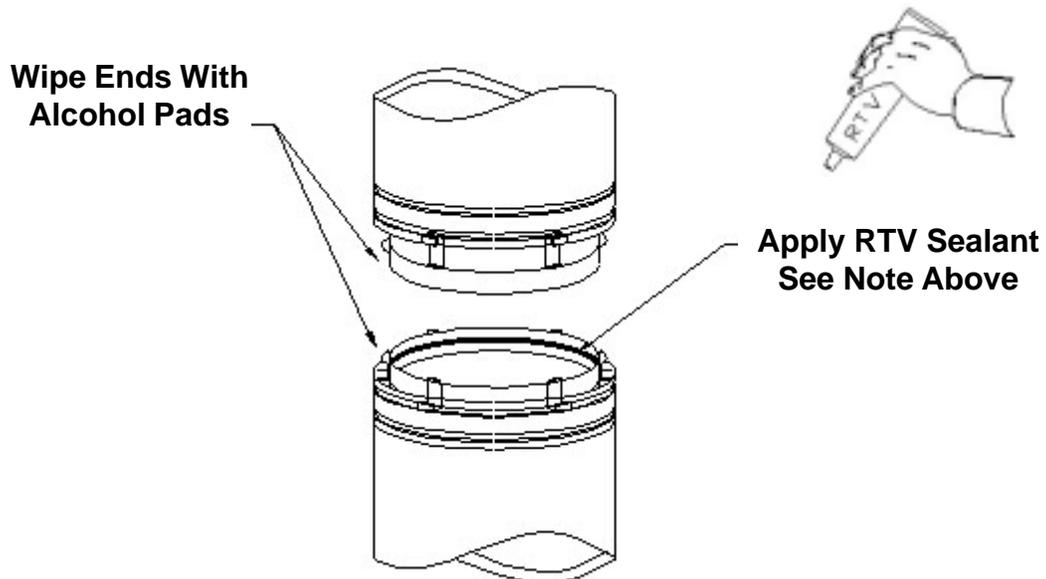
3. Insert the male end into the female end, lining up the Locking Tabs at the same time. If needed, use pliers or vice grips to squeeze together the Tabs so they will accept the slots in the Locking Strap. When assembling elbows and tees, the male end tabs will rotate around the vent to accommodate offsets and direction changes, refer to rotating clamp installation instructions.
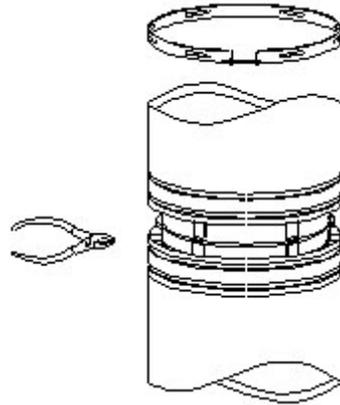
4. Position the Locking Strap slots over the Tabs, making sure each slot encompasses both Tabs. Tighten the Locking Strap with a 7/16" hollow nut driver or deep socket, take caution not to over tighten the clamp causing the vent to collapse.
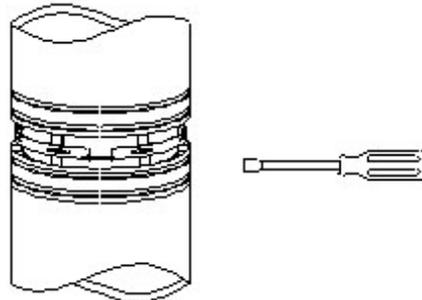
5. Center the Coupler Band around the completed joint and tighten the 7/16" nuts with a hollow nut driver or deep socket. If the assembly must be weather tight, apply a 1/4" bead of sealant to the inside top edge of the Coupler Band approximately 1 inch down from the edge.
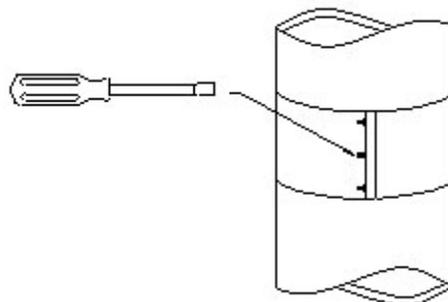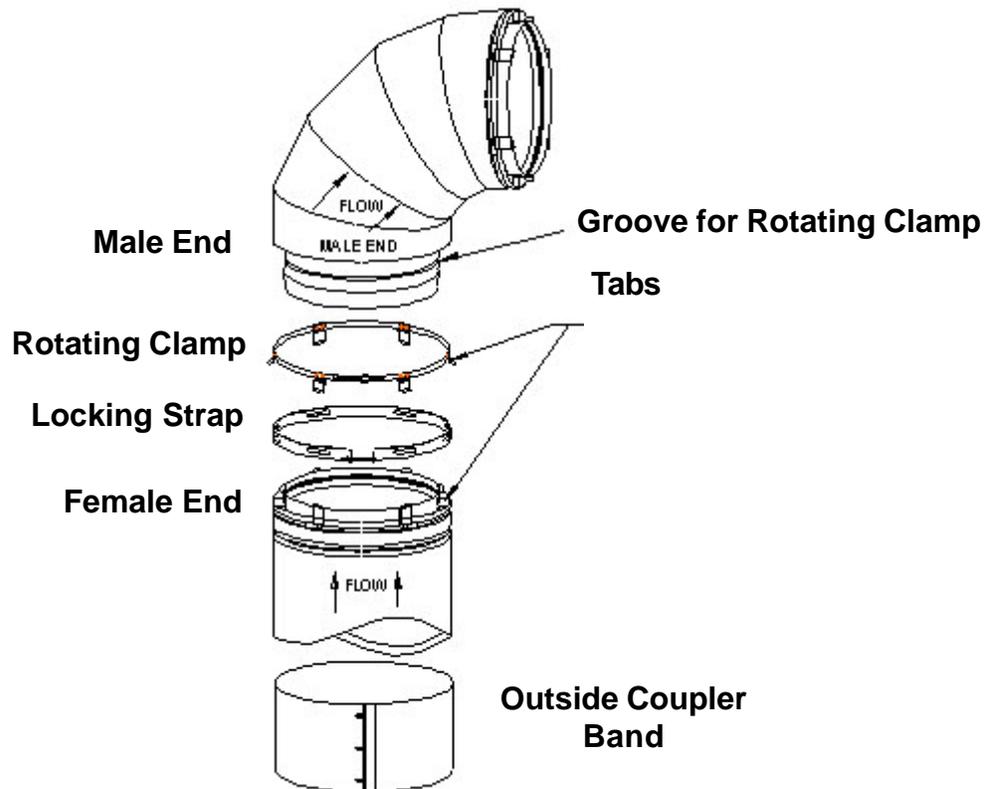
**Joint Assembly Instructions for Rotating Clamp:**

The rotating clamp allows you to position fittings in the desired flow direction of the breeching layout. Follow these instructions for Elbows, Boot Tees, Increasers and In-Line Drains, that all utilize the rotating clamp.

Note: Diameters 4" thru 16" are manufactured with a factory adhered seal on the inside of the female end and will *not* need sealant in the joint.

1. Begin by removing the Locking Strap and Coupler Band from the vent.

Male End

Groove for Rotating Clamp

Tabs

Rotating Clamp

Locking Strap

Female End

Outside Coupler Band

2. Wipe the male and female ends clean with alcohol wipes. On diameter sizes **without** the gasket, at 3/4" from the edge, apply a 1/4" thick continuous, straight-line bead of high temperature sealant to the inside circumference of the female end. Do not use a zig-zag pattern when applying sealant. Smooth down the bead with a flat instrument or your moistened finger.

Clean Male and Female Ends with Alcohol Wipe

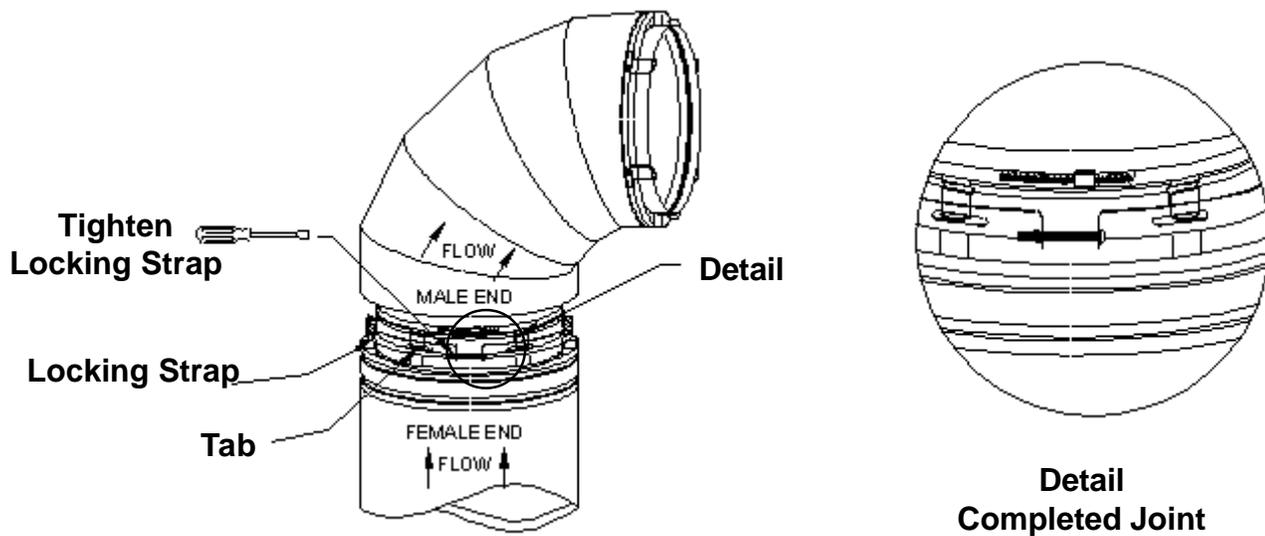**Apply 1/4" Bead of RTV on Inside of Female End See Note Above**
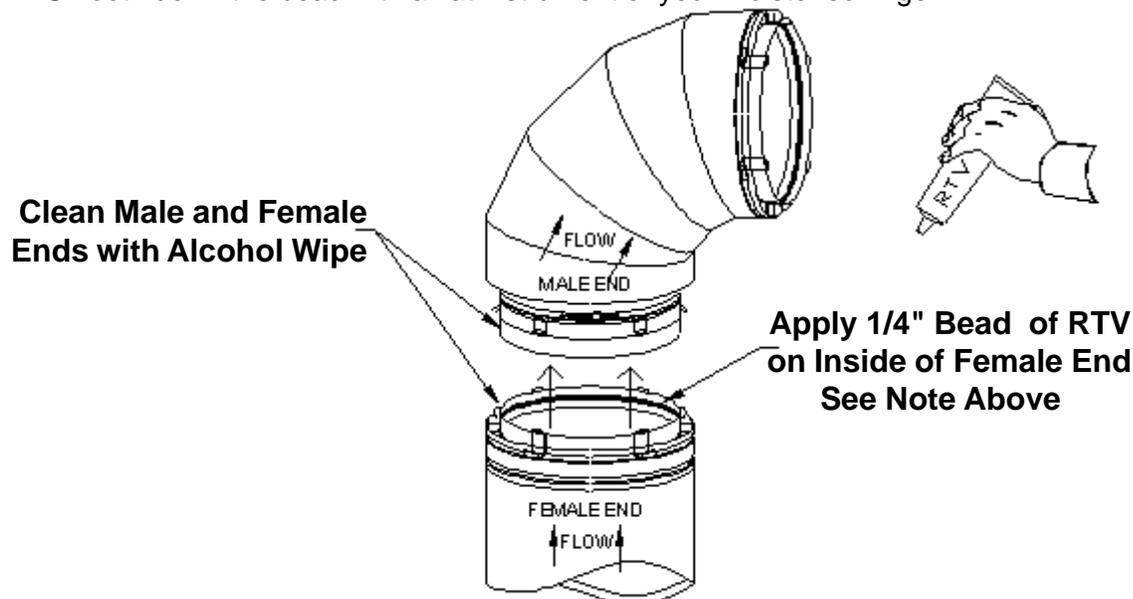
3. Insert the male end into the female end of the preceding vent piece, loosen the rotating clamp on the male end of the fitting with a 5/16" nut driver.

**Rotating Clamp**   FLOW   **Loosen Rotating Clamp**
MALE END
FEMALE END
FLOW
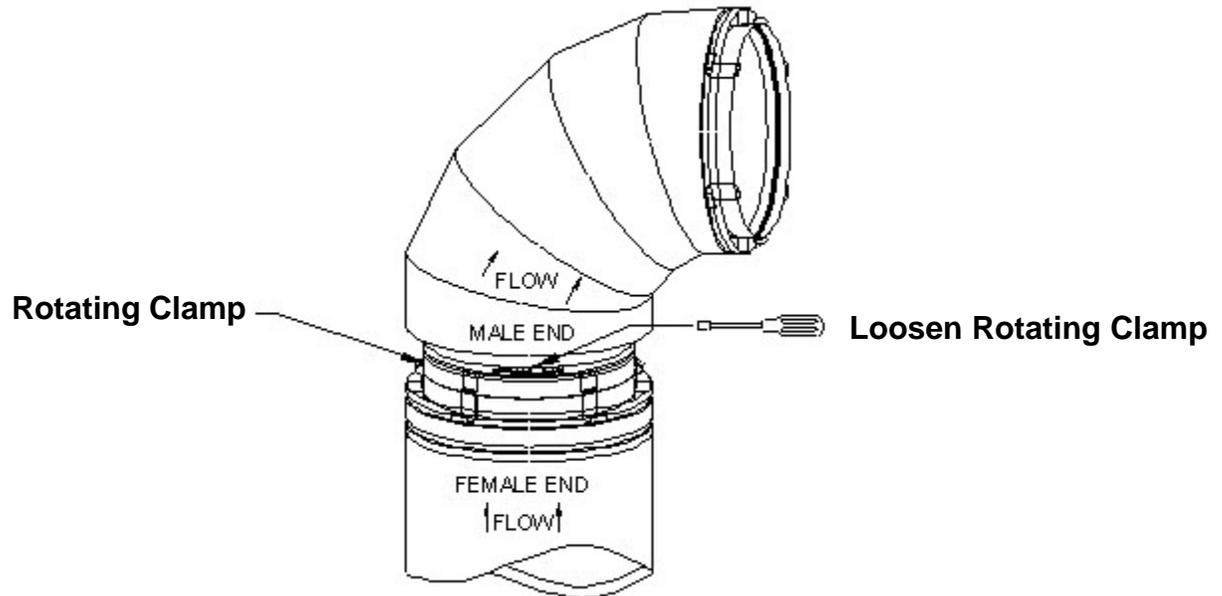
4. Line up the tabs of the rotating clamp with the female end of the preceding vent. Insure the beads on the tabs of the rotating clamp are nested into the groove on the male end. RE-tighten the rotating clamp. If needed use pliers or vice-grips to squeeze together the tabs so they will accept the slots in the locking strap.

Pliers or Vice-Grips
FLOW
MALE END
Tighten Rotating Clamp
FEMALE END
FLOW
Line Up Tabs
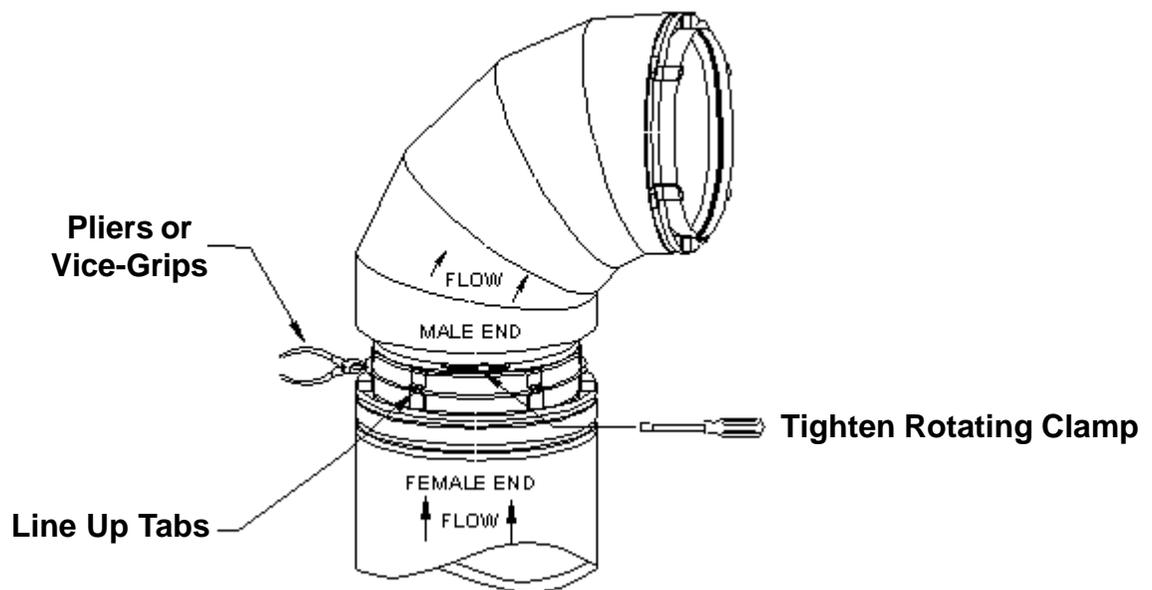
5. Position the Locking Strap slots over the Tabs, making sure each slot encompasses both Tabs. Tighten the Locking Strap with a 7/16" hollow nut driver or deep socket. **CAUTION**: DO NOT over tighten the clamp, as it may cause the vent to collapse.
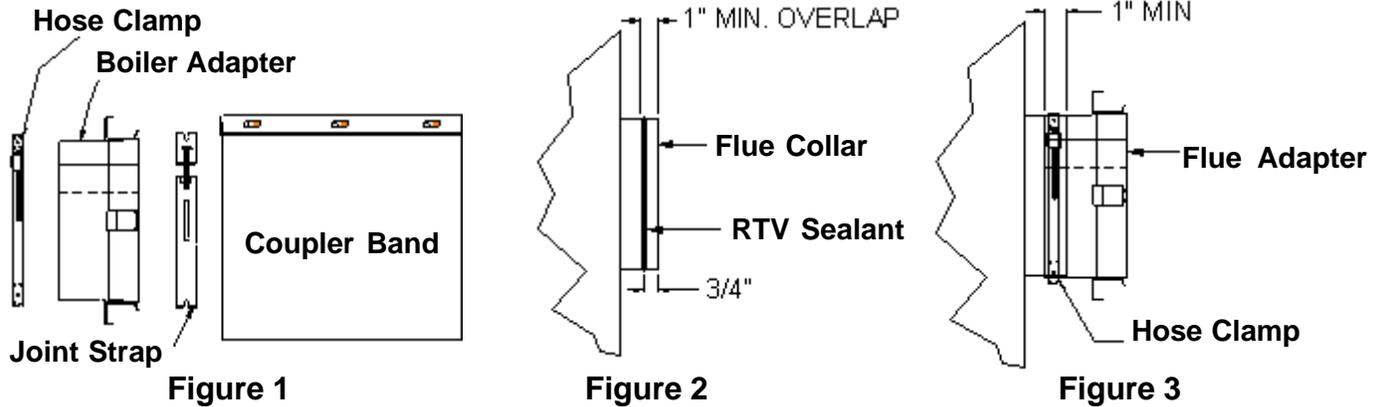
Tighten Locking Strap

FLOW

MALE END

Detail

Locking Strap

Tab

FEMALE END

FLOW

**Detail
Completed Joint**

6. Center the Coupler Band around the completed joint and tighten the 7/16" nuts with a hollow nut driver or deep socket. If the assembly must be weather tight, apply a 1/4" bead of sealant to the inside top edge of the Coupler Band approximately 1 inch down from the edge.

Weatherizing Seal

FLOW

MALE END

1"

Coupler Band

FEMALE END

FLOW
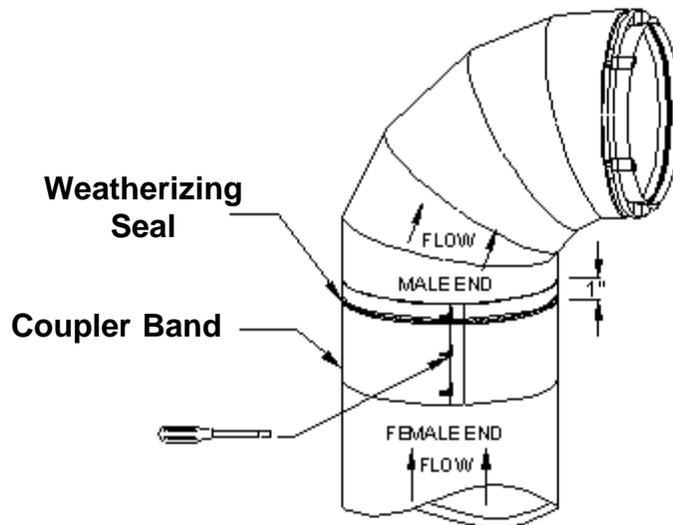
Saf-T Vent CI Plus Universal Boiler Adapter:

The Saf-T Vent CI Plus Universal Boiler Adapter can be used horizontally or vertically to adapt Saf-T Vent CI Plus to nominal diameter flue collars. It can also adapt to flue collars that are slightly out of round.
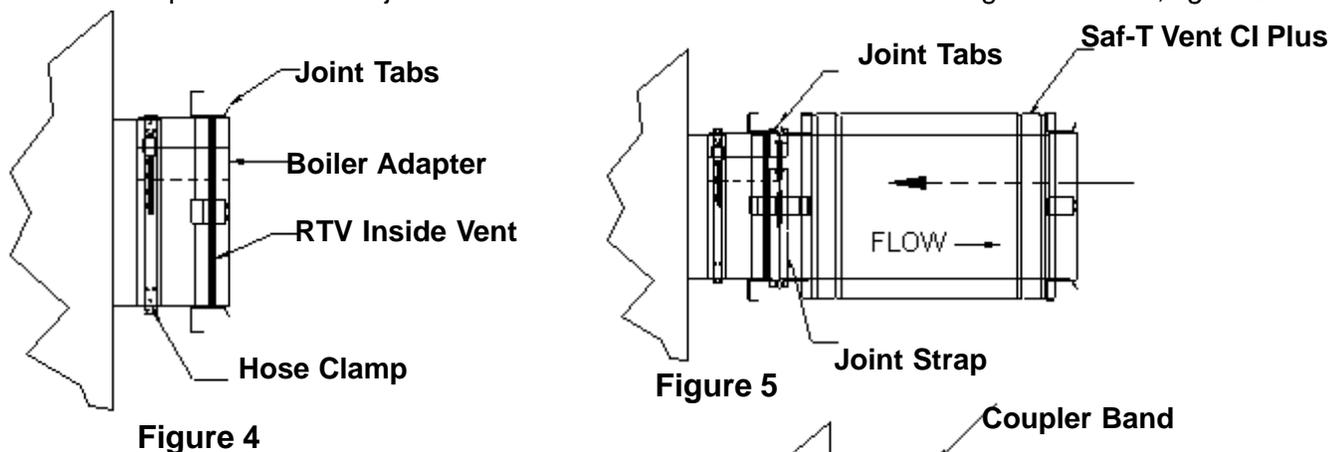
1. Remove the clamps and coupler band from the adapter, *figure 1.* The adapter must clamp onto the flue collar with no less than 1 inch overlap for proper fit. Mark or scribe flue collar prior to fitting the adapter, *figure 2.*

Hose Clamp
Boiler Adapter
Coupler Band
Joint Strap
Figure 1

1" MIN. OVERLAP
Flue Collar
RTV Sealant
3/4"
Figure 2

1" MIN
Flue Adapter
Hose Clamp
Figure 3

2. All joint surfaces **must** be cleaned with alcohol wipes before applying sealant. Apply 1/4" thick bead of RTV sealant around the outside of flue collar approximately 3/4" from the edge, *figure 2.* Place the adapter over boiler collar lining up the edge of the adapter to the scribe marks, then tighten the hose clamp snugly, *figure 3.* On horizontal flue collars, the split side of the boiler adapter should be installed along the top of the flue collar.

3. Apply a 1/4" bead of RTV sealant to the inside of the female end of the boiler adapter, 3/4" from the edge, *figure 4.* Make a continuous, straight- line bead, not a zig-zag pattern when applying the sealant.

4. Insert the male end of the first piece of Saf-T Vent CI Plus into the female end of the boiler adapter, lining up the joint tabs, *figure 5.* Install the joint strap over the tabs of both parts, hand tighten the strap with a 7/16" hollow nut driver. ***CAUTION:*** overtightening will distort the joint. Re-tighten the boiler clamp around flue collar. If possible, reach into the vent and apply RTV sealant to all inside seams of the boiler adapter and the first joint. Smooth the sealant with a moistened finger or flat tool, *figure 5.*

Joint Tabs
Boiler Adapter
RTV Inside Vent
Hose Clamp
Figure 4

Joint Tabs
Saf-T Vent CI Plus
FLOW ➞
Joint Strap
Figure 5

5. Install the coupler band over the boiler adapter to finish installation, *figure 6.*

Coupler Band
Figure 6

## Saf-T Vent CI Plus Adjustable Section:

The Saf-T Vent CI Plus Adjustable Section serves as a variable length between other components when specific lengths cannot be utilized, there is a long, 13 to 20 inch, and a short, 7 to 11 inch, adjustable section. **WARNING:** The Adjustable Section is not designed to bear vertical force loads. Appropriate supports must be provided.
Note: Vent diameters of 4" thru16" have a double sealing gasket on the inside of the outer vent, *NO RTV* is needed.

Installation Procedure
The Adjustable assembly consists of 6 components, the female Inner Vent, the male Outer Vent, a Clamp, an alcohol pad, an outer Coupler Band and a packet of silicone lubricant (4" - 16" diameters only).

Step 1: Disassemble the packaged vent.
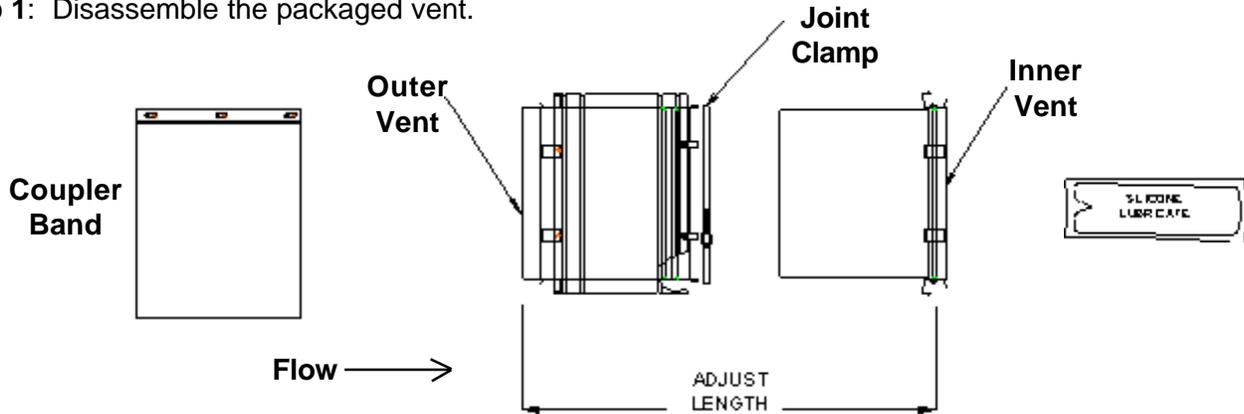
Step 2: Measure edge to edge the distance needed, then add 3 inches total for the joints. The installed length is 13 to 20 inchs for the long adjustable section and 7 to11 inches for the short adjustable section.
**CAUTION:** DO NOT LENGTHEN PAST THE WARNING ARROW.
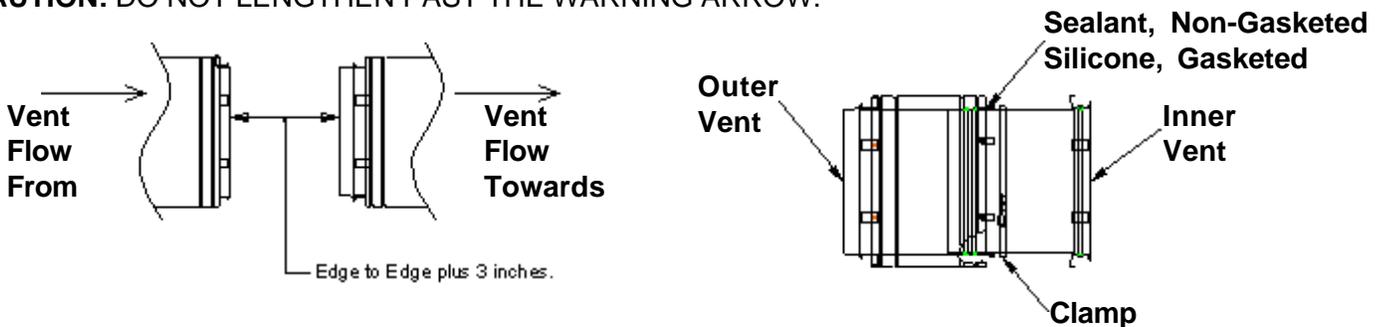
Step 3: **Gasketed:** Lightly apply the silicone lubricant to the upper ridges of both gaskets in the outer vent. Slide the Inner Vent into the Outer Vent to the desired overall length. **Non-Gasketed:** Slide the Inner Vent into the Outer Vent to the desired overall length. Apply a 1/4" bead of RTV sealant into the crevice, completely around the vent. Smooth sealant into place.

Step 4: When the adjustable section is at its desired length, tighten the wormgear clamp securely around the vent to hold the adjustable in place. Do not over tighten, as it may distort the joint.

Step 5: Install the completed Adjustable Section per the Joint Assembly instructions. After installation check the integrity of the RTV sealed crevice prior to attaching the Coupler Band over the completed Assembly.
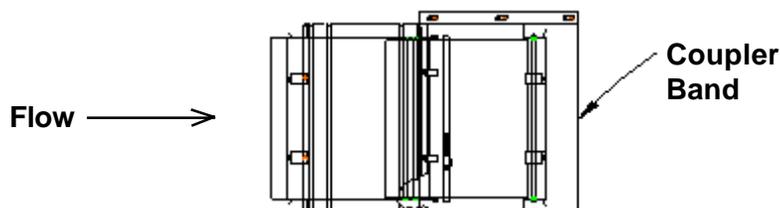
Saf-T Vent CI Plus Horizontal Support For Large Diameters:

Saf-T Vent CI Plus must have supports for every six (6) feet of horizontal run and after every transition from vertical to horizontal. For large diameters, 24"-32" use parts numbered CCM24HZS - CCM32HZS. The support may be attached from the center bracket, figure 1 or attached to the side brackets, figure 2. Support hangers by themselves do not maintain the necessary clearances to combustible materials; be sure to consider clearances when planning the system. For 4"thru 24" diameters use support clamp part number 4627SS-42627SS and attach as appropriate.
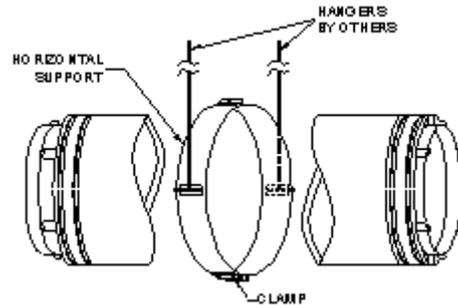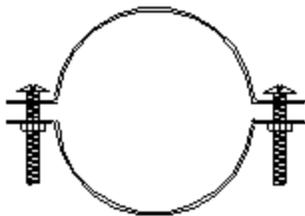
LARGE DIAMETER SUPPORTS
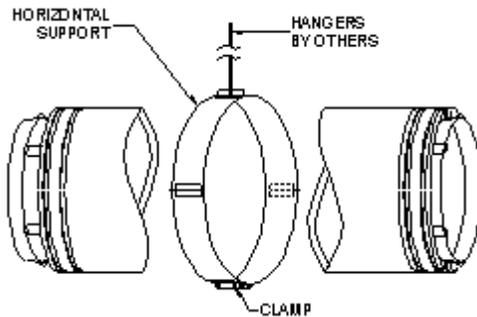
Figure 1   **Figure 2**

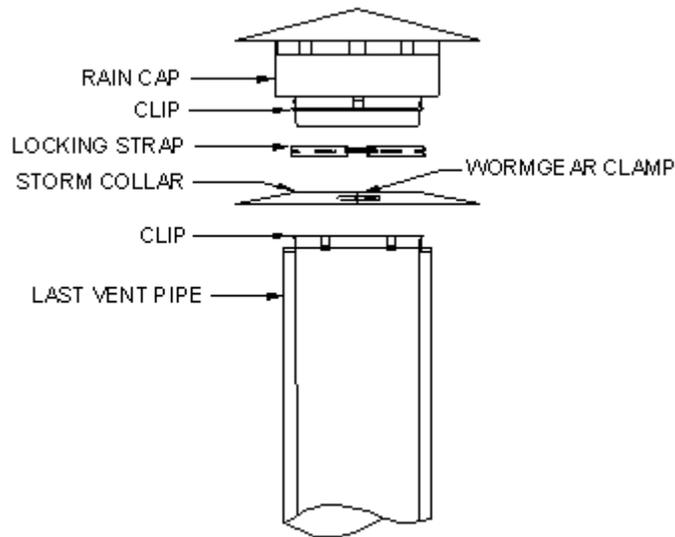## 4" - 24" DIAMETER SUPPORTS

Support Clamp
Used in pairs to clamp around
the vent and suspend from a
single rod or cable.

Support Clamp
Used singularly as a saddle to
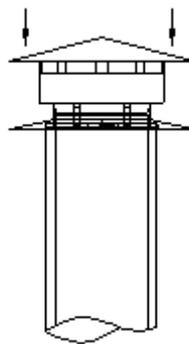rest the vent in; suspend from
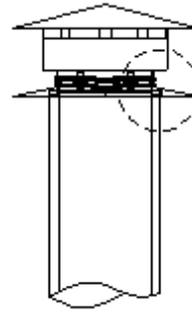two rods or cables.

Saf-T Vent CI Plus Rain Cap:

• Unscrew the wormgear clamp on the Rain Cap's Storm Collar.

• Remove the locking strap from the last section of vent pipe.

• Lower the Storm Collar past the clips on the last section of vent pipe.
  The Storm Collar should sit approximately 1/2" down from the clip edges.

• Tighten the Storm Collar's wormgear clamp to tighen around the vent pipe.

• Apply a high temperature silicone sealant around the clamped edge of the storm collar.

• Remove the locking strap from the Rain Cap.

• Lower the Rain Cap into the last section of vent pipe, lining up the clips.

• Attach the locking strap around the vent pipe and Rain Cap an tighten to complete the joint.
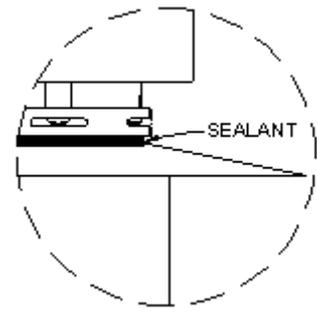
• The enlarged detail shows finished assembly.

| Tighten & Seal Storm Collar | Lower Rain Cap | Attach Locking Strap | Detail |

Saf-T Vent CI Plus Exit Cone Termination:

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.
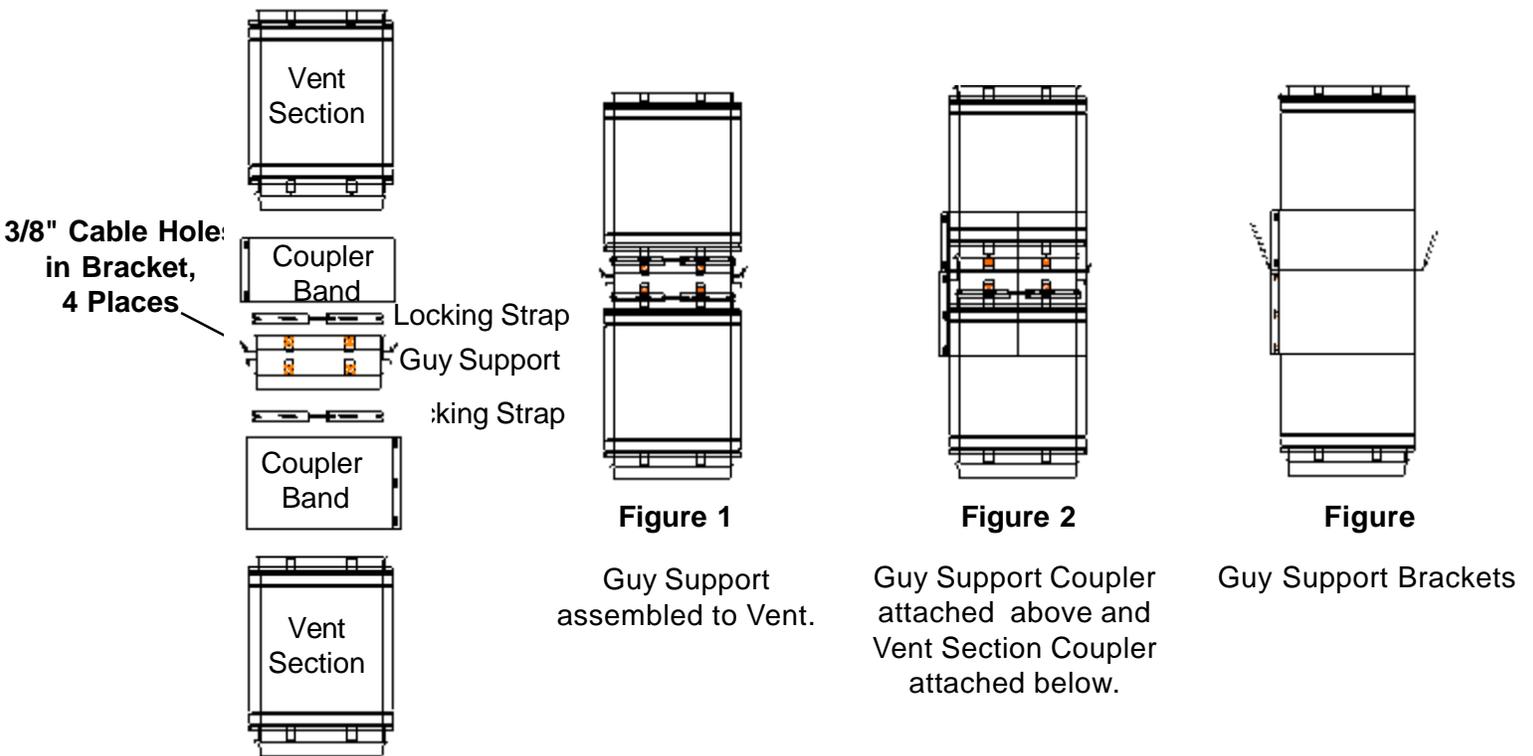The Exit Cone can be attached to EZ Seal vent systems with the addition of an adapter strap, CCA__ADSV.

Exit Cone

Locking Strap

Finish Collar
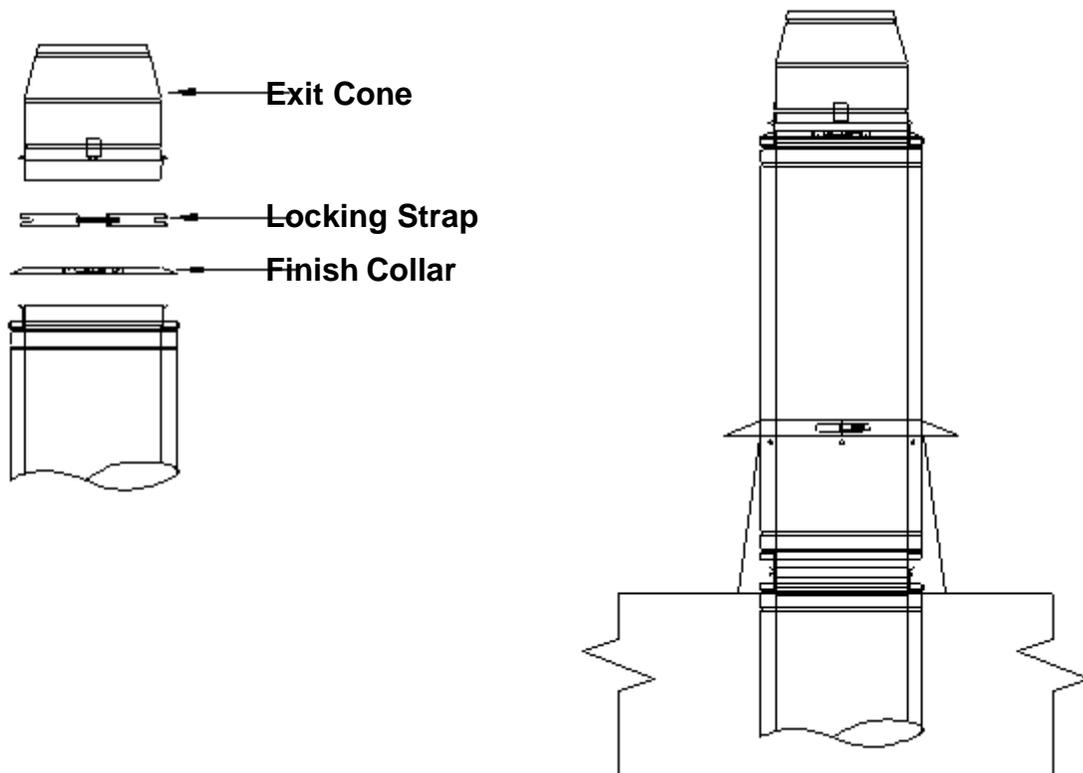
The outlet diameter is typically a 2" reduction in diameter but other sizes may be ordered.

Saf-T Vent CI Plus Guy Support:

Guy Support Assembly:

Assemble the guy support to the vent sections as shown in the joint assembly instructions. Once the guy support is assembled to the vent sections, *figure 1*, install the 5" long coupler from the guy support so that it fits directly on top of the guy brackets. On the vent section below the guy support, attach the 8" long coupler so that it fits up to the bottom of the guy brackets, *figure 2*. The guy support is now totally enclosed with only the guy brackets protruding, *figure 3*. The guy lines can be attached before or after installation of the couplers.

Vent Section

3/8" Cable Holes in Bracket, 4 Places

Coupler Band

Locking Strap

Guy Support

:king Strap

Coupler Band

Vent Section

Figure 1

Guy Support assembled to Vent.

Figure 2

Guy Support Coupler attached above and Vent Section Coupler attached below.

Figure

Guy Support Brackets

Spacing Between Supports	
Diameters	Spacing
4" thru 12"	20'
14" thru 18"	12'
20" thru 24"	10'
26" thru 32"	6'

The Guy Supports can be used in four different applications:
1. To Lower a Stack Inside of a Chase
2. To Support a Stack from Below a Floor or Roof
3. To Support a Stack Above a Roof
4. To Support Horizontally

APPLICATION 1. *To Lower A Stack (Figure 4).*
Attach guy wires or chains with a minimum rated capacity of 500 lbs. to the four hole locations on the guy bracket. Some lengths of stack may be assembled to go below the guy support. Feed the lengths and the guy support into the top of chase and add lengths as the stack is lowered into the chase. When lowering a stack in a square or rectangular chase, position the cable holes on the guy support in the corners of the chase. Anchor the guy lines to the top of chase utilizing the best construction methods.
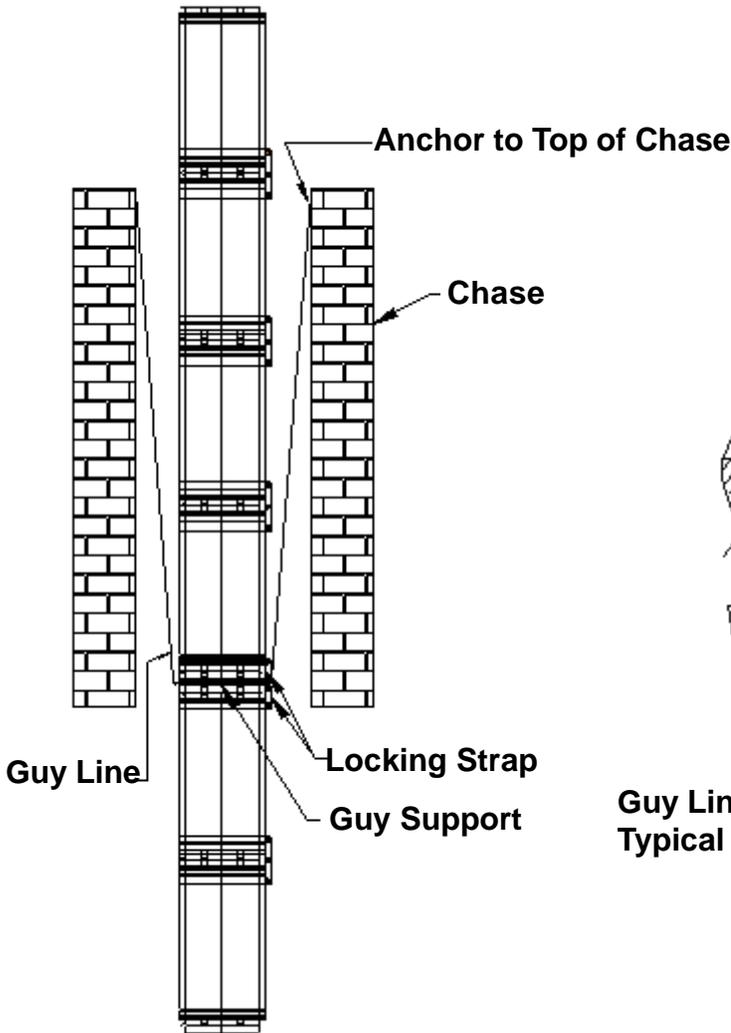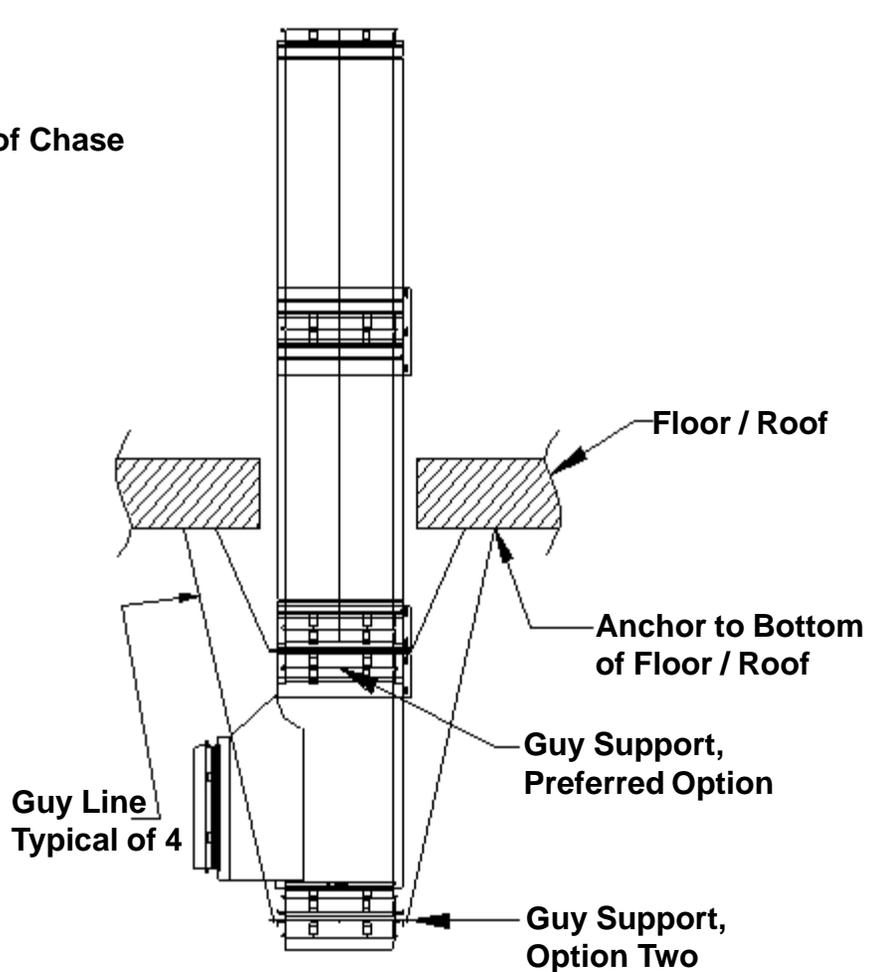

Figure 4

Figure 5

APPLICATION 2. *Support Below a Floor or Roof (Figure 5).*
Attach guy wires, chains, or threaded rod with a minimum rated capacity of 500 lbs. to the four hole locations on the support brackets. Anchor the guy lines to the building infrastructure on the underside of the floor or roof. Continue to attach vent lengths above and below the guy support.

Option One: Install the Guy Support above the Boot Tee (preferred).
Option Two: Install the Guy Support below the Boot Tee.

APPLICATION 3. *Support Above a Roof (Figure 6).*
Required if stack extends more than 6' above the roof.
Note: When using a guy support above a roof, the stack below the roof must be supported.
Install the guy support between the last 2 sections of straight vent. Attach guy wires or chains, with a
minimum rated capacity of 500 lbs, to the four hole locations on the guy brackets. Anchor the guy lines
to the top of the chase or other structure utilizing best construction methods to stabilize the system.

Option One: Install the Guy Support above the Boot Tee (preferred).
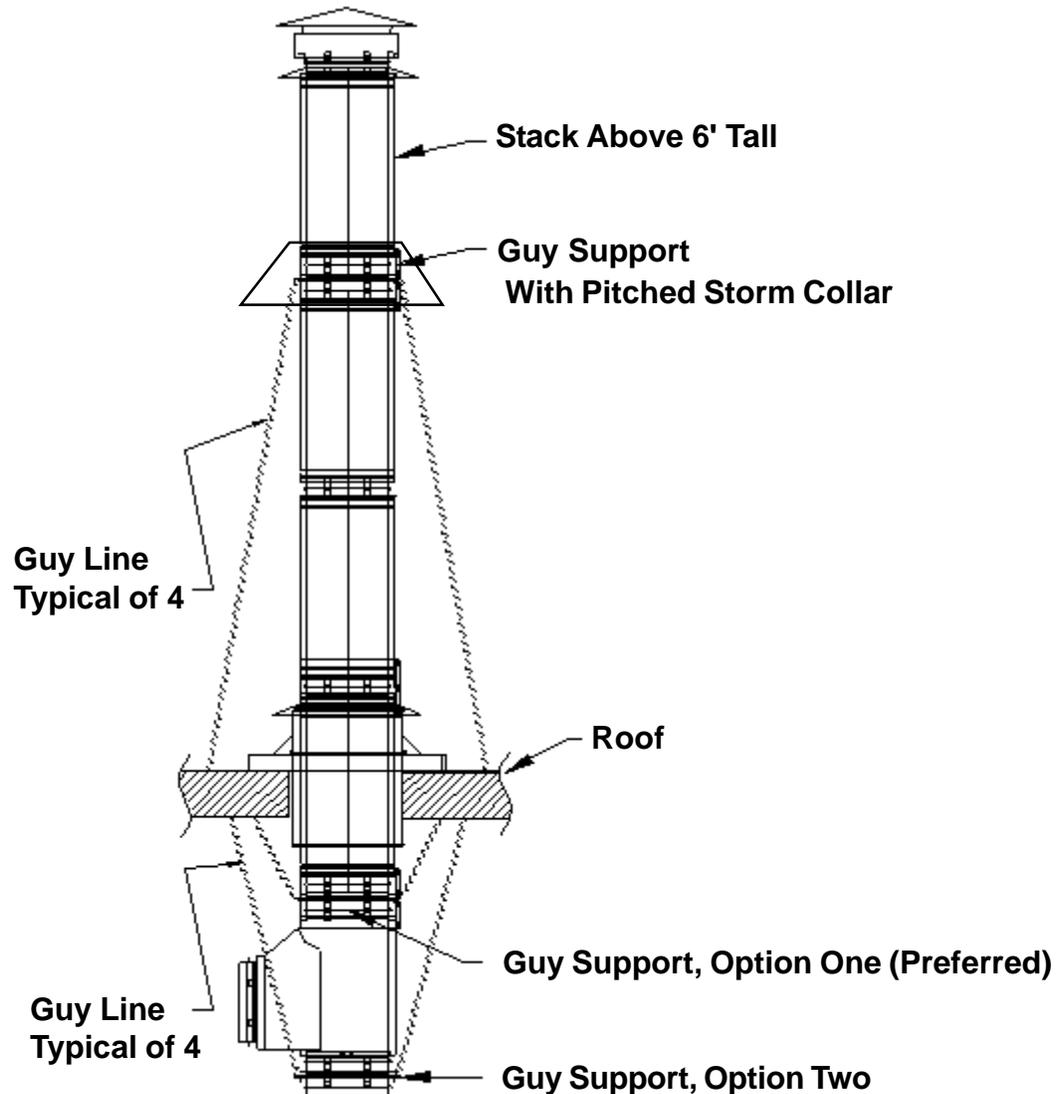**Option Two**: Install the Guy Support below The Boot Tee.

Figure 6

Note: When installing above the roof use a "pitched storm collar", part # IP-__SC3
to prevent rain water from entering the outer wall of the vent and running down the stack.

APPLICATION 4. *Support Horizontally (Figure 8).*
Support horizontally by attaching guy wires, chains or threaded rod to the guy support bracket holes.
Anchor the guy lines to the building infrastructure on the underside of the floor or roof.
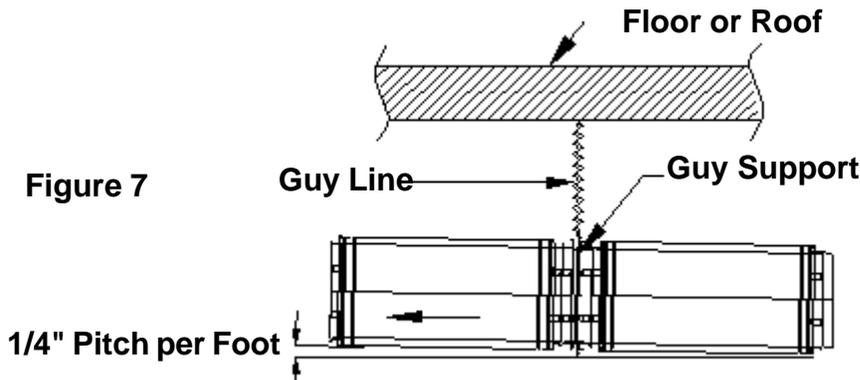
Figure 7

Floor or Roof

Guy Line ——► **Guy Support**

1/4" Pitch per Foot

Saf-T Vent CI Plus Floor Support:

Used mainly as a support between floors.
Can also be used inside an accessible chase with addition of site designed support brackets

• Loosen or remove bolts from support band.

• Place support band around or over vent pipe.
The flat flange on support gussets must contact
floor surface.

• Secure the support band around vent pipe with
hardware, *overtightening could damage vent pipe.*

• Attach the support band to the floor through flange
on gussets, if required.
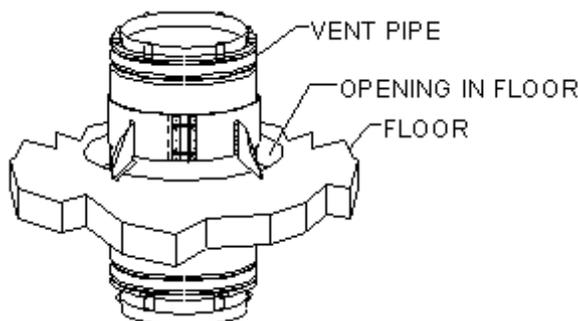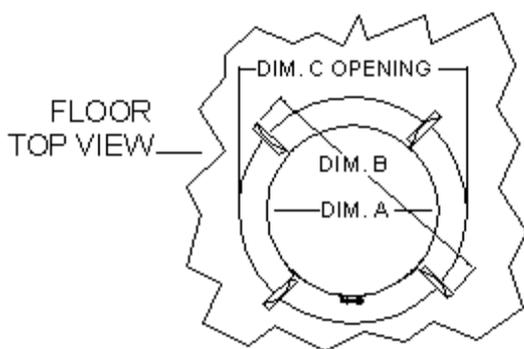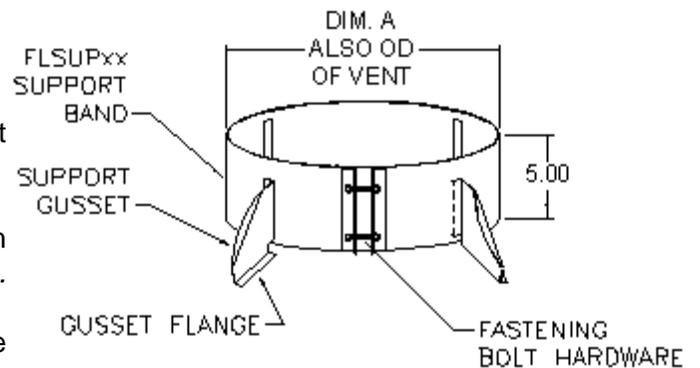
| Refer to Dimension "C" on Chart For Maximum Size of Floor Opening			
PART NO.	DIM. A	DIM. B	DIM. C
FLSUP06	6	14.68	11.68
FLSUP07	7	15.68	12.68
FLSUP08	8	16.68	13.68
FLSUP09	9	17.68	14.68
FLSUP10	10	18.68	15.68
FLSUP11	11	19.68	16.68
FLSUP12	12	20.67	17.67
FLSUP14	14	22.68	19.68
FLSUP16	16	24.68	21.68
FLSUP18	18	26.68	23.68
FLSUP20	20	28.68	25.68
FLSUP22	22	30.68	27.68
FLSUP24	24	32.68	29.68
FLSUP26	26	34.68	31.68
FLSUP28	28	36.68	33.68
FLSUP30	30	38.68	35.68
FLSUP32	32	40.68	37.68

Saf-T Vent CI Plus Tall Cone Flashing with Rain Cap In Combustible Chase:

APPLICATION 1. *Directly On Flat Roof (figures 1 & 2).*
Prepare a square or round opening 4 1/2" larger than the inner vent pipe diameter, i.e. an 8" inner vent would have a 12 1/2" opening. Apply weather-stripping or outdoor caulk to the bottom of the cone plate. Attach the cone to the roof using common construction methods. Flash over the cone plate and seal the fastener heads using normal roofing requirements. When the vent pipe is in place through the Tall Cone, attach the Tall Cone storm collar around the pipe and position at least 2" above the top edge of the cone (figure 1). This 2" air space will release any built up heat from inside the cone. Apply RTV sealant around the top of the storm collar and the pipe. On the last section of pipe before the Rain Cap, install the Ventilation Collar over the air space between the inner and outer vent pipes. Install the Rain Cap on the last section of vent per the Rain Cap installation instructions. Position the Rain Cap Storm Collar 2" above the Ventilation Collar as shown in Figures 1 & 3. When the Tall Cone is used as a vertical support, screw the self-tapping screws through the holes in the cone and into the wall of the Outer Vent.

CAUTION: Support screws can *only* be installed with Saf-T Vent CI Plus venting.
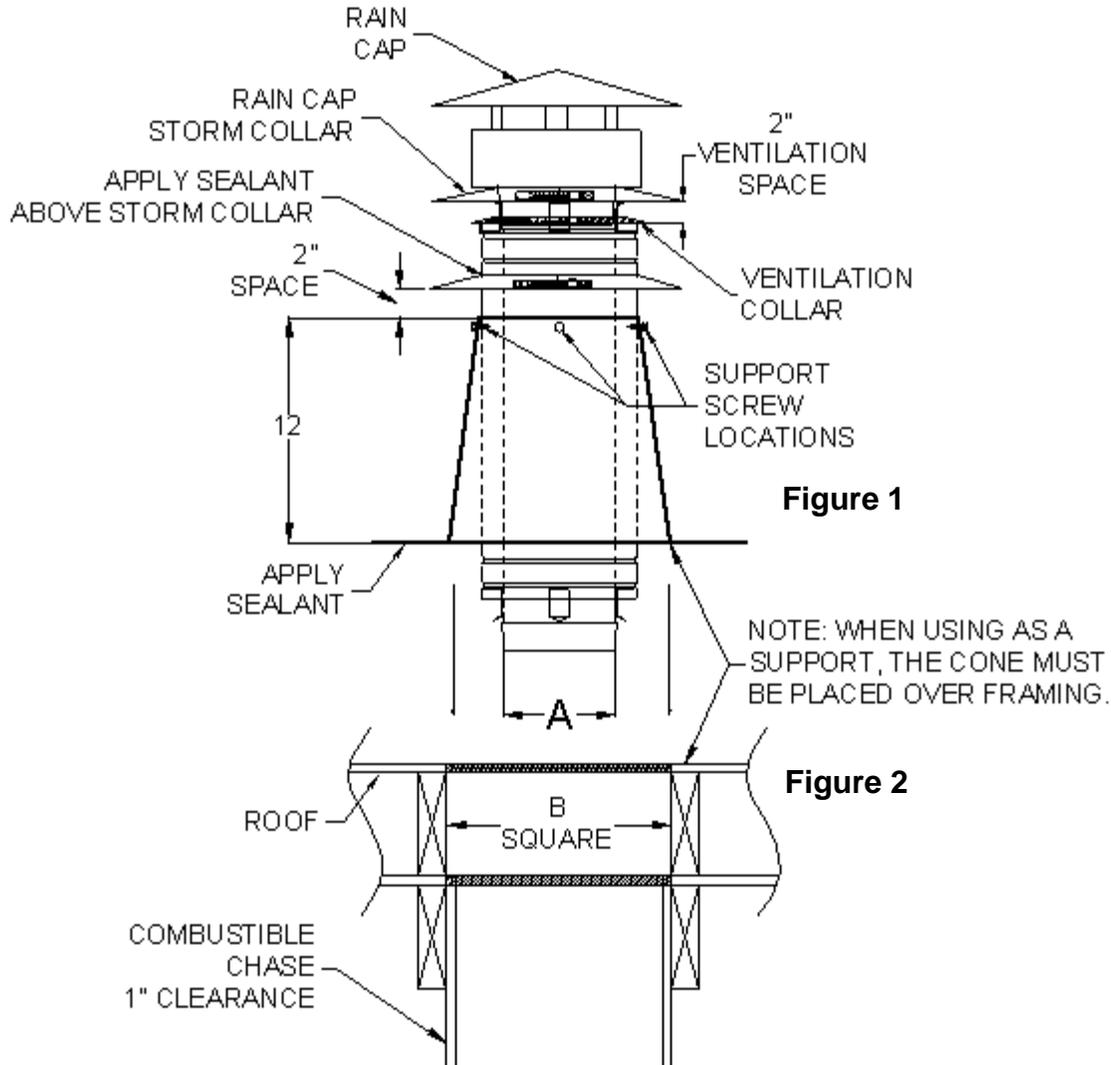
Figure 1

Figure 2

Roof Opening Framing Dimensions (figure 2):

ROOF OPENING FRAMING DIMENSIONS (FIG 1 & 2)			
CONE PART NUMBER	INNER VENT DIAM A	OUTER OPENING DIM B	SPACING BETWEEN VERTICAL SUPPORTS (FIG 2)
CCM04TCF	4	8.5	20
CCM05TCF	5	9.5	20
CCM06TCF	6	10.5	20
CCM07TCF	7	11.5	20
CCM08TCF	8	12.5	20
CCM09TCF	9	13.5	20
CCM10TCF	10	14.5	20
CCM12TCF	12	16.5	20
CCM14TCF	14	18.5	12
CCM16TCF	16	20.5	12
CCM18TCF	18	22.5	12
CCM20TCF	20	24.5	10
CCM22TCF	22	26.5	10
CCM24TCF	24	28.5	10
CCM26TCF	26	30.5	6
CCM28TCF	28	32.5	6
CCM30TCF	30	34.5	6

 APPLICATION 2. *On Top Of Roof Curb (figure 3).*
Before installing, place the cone on top of the curb and mark the outline of the curb on the bottom of the cone plate. Use snips to notch out the corners of the plate to match the curb. Bend down the extra material with duckbill pliers to create a cap which fits over the curb. Attach the cone to the curb using the same methods as described in Application 1.
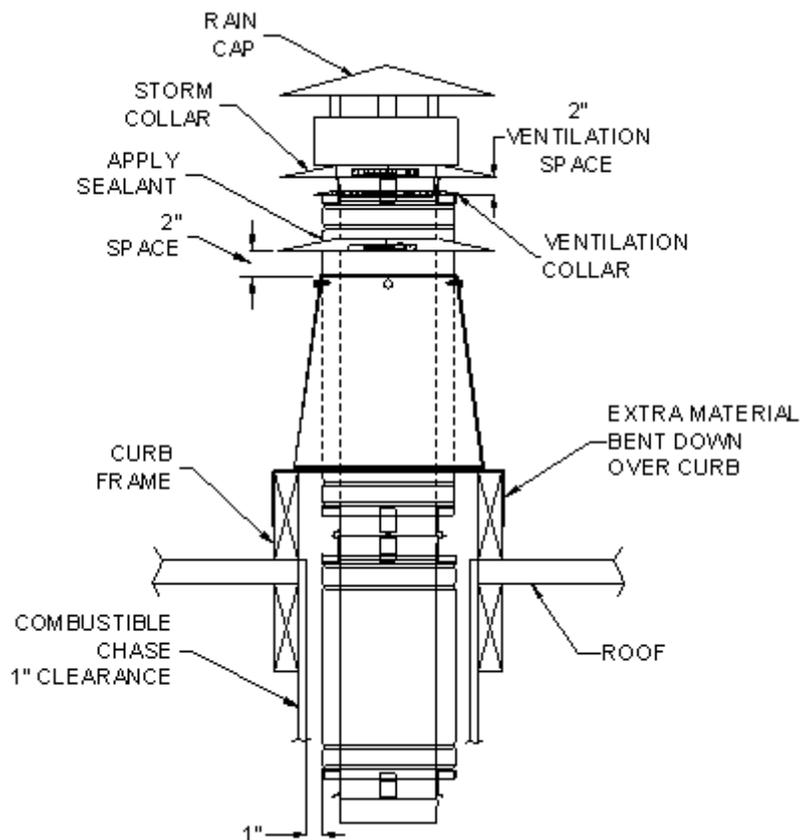

Figure 3

Saf-T Vent CI Plus Pitched Roof Tall Cone Flashing

Directly On Pitched Roof. Prepare a square or round opening per the framing chart. Apply weather-stripping or outdoor caulk to the bottom of the cone plate. Attach the cone to the roof using common construction methods. Flash over the cone plate and seal the fastener heads using normal roofing requirements. When the vent pipe is in place through the Tall Cone, attach the Tall Cone storm collar around the pipe. Apply RTV sealant around the top of the storm collar and the pipe. On the last section of pipe before the Rain Cap, install the Ventilation Collar, ordered separately, over the air space between the inner and outer vent pipes. Install the Rain Cap on the last section of vent per the Rain Cap installation instructions. Position the Rain Cap Storm Collar 2" above the Ventilation Collar as shown in the figure below.
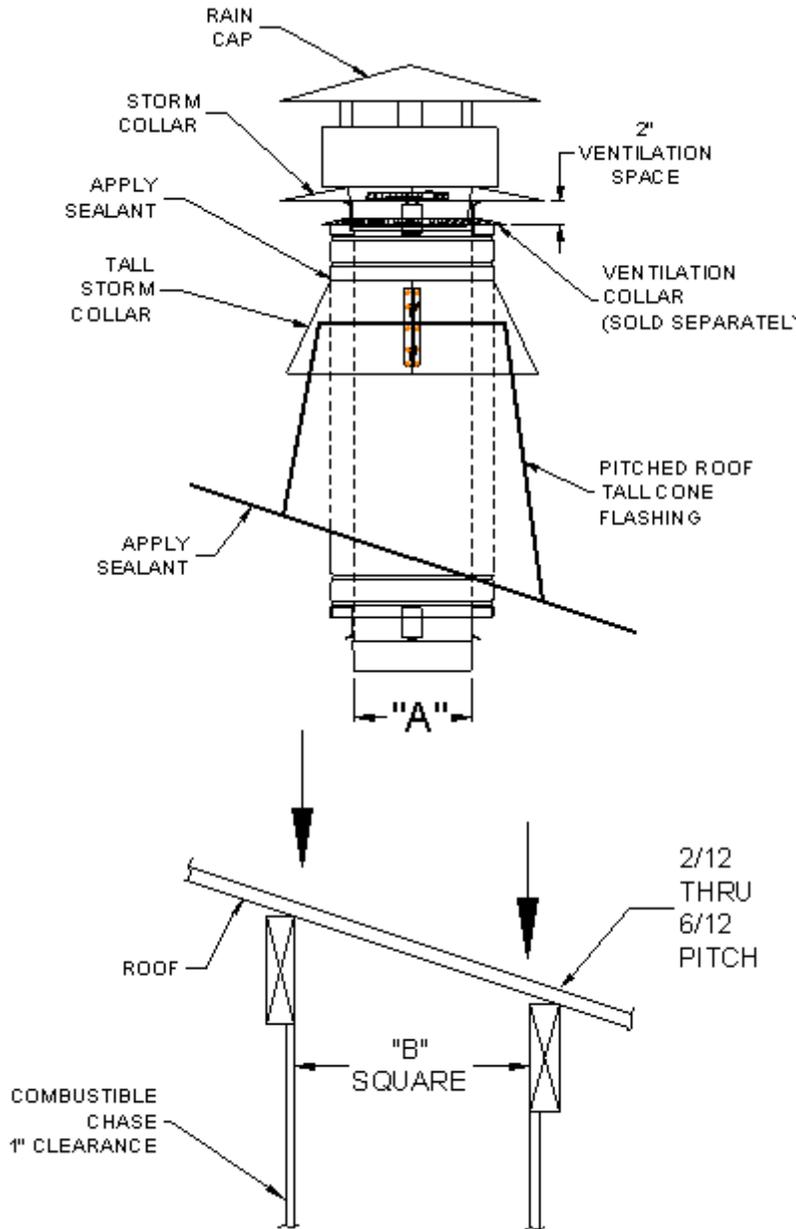

| ROOF OPENING FRAMING DIMENSIONS		
CONE PART NUMBER	VENT DIAM A	DIAM B
CCM04TCFP	4	8.5
CCM05TCFP	5	9.5
CCM06TCFP	6	10.5
CCM07TCFP	7	11.5
CCM08TCFP	8	12.5
CCM09TCFP	9	13.5
CCM10TCFP	10	14.5
CCM12TCFP	12	16.5
CCM14TCFP	14	18.5
CCM16TCFP	16	20.5
CCM18TCFP	18	22.5
CCM20TCFP	20	24.5
CCM22TCFP	22	26.5
CCM24TCFP	24	28.5
CCM26TCFP	26	30.5
CCM28TCFP	28	32.5
CCM30TCFP	30	34.5

Saf-T Vent CI Plus Wall Termination:

The Saf-T Vent CI Plus system can be installed through any type of wall using the Saf-T Vent CI Plus Wall Termination Assembly. The wall termination requires mechanical support from the wall sufficient to support any incidental loads on the system. If the wall is not constructed sufficiently enough to support the termination assembly, then appropriate additional framing and/or blocking is required.
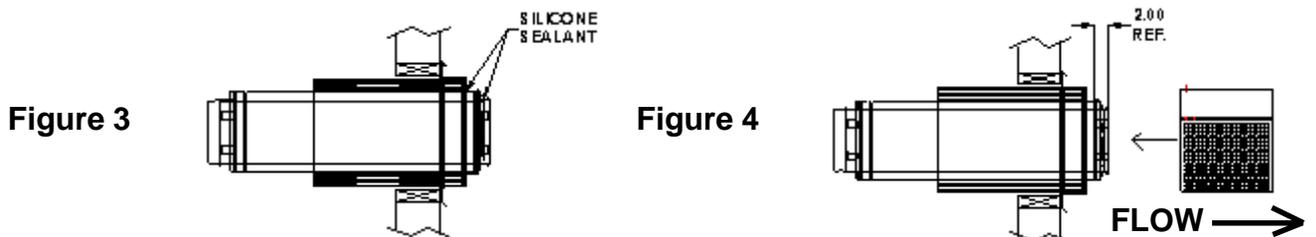
   1. The Wall Termination Assembly is packed with the screen cover and end collar (Figure 1). Before beginning, remove this screen cover. Prepare an opening for the Wall Termination Assembly in the wall. The opening must be 7 inches larger than the Inner Vent pipe diameter. The opening may be either round or square so long as allowance for proper clearance to combustible material is made. When passing through solid, noncombustible construction, clearances may be reduced if necessary. If there are not sufficient support members to secure the Wall Termination Assembly or if there is a semirigid foam insulation layer under the sheathing, the opening must be blocked out or framed to provide support.

Figure 1

INSULATED ASSEMBLY   END COLLAR   SCREEN COVER

SAF-T VENT CI PLUS (NOT INCLUDED)   FLOW ⟶
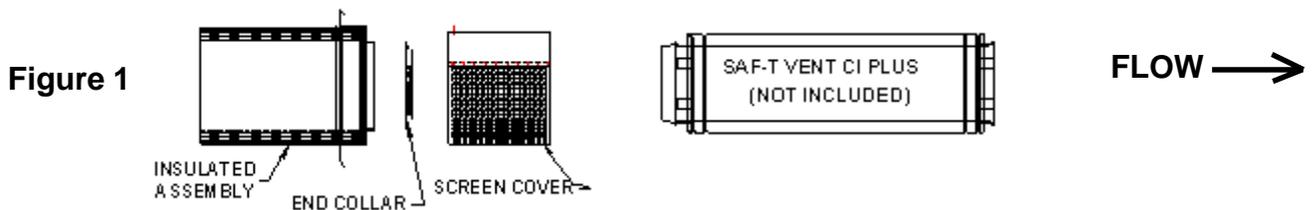
   2. Position the Wall Termination Assembly into the enlarged hole from the outside (Figure 2). Secure the assembly using common construction methods. Seal under the screw heads with caulking. Reinstall the decorative sheathing around the Wall Termination Assembly. The assembly may be painted to match the exterior decor.

WEATHERIZING CAULK BEHIND FLASHING

Figure 2   FLOW ⟶

COMBUSTIBLE WALL
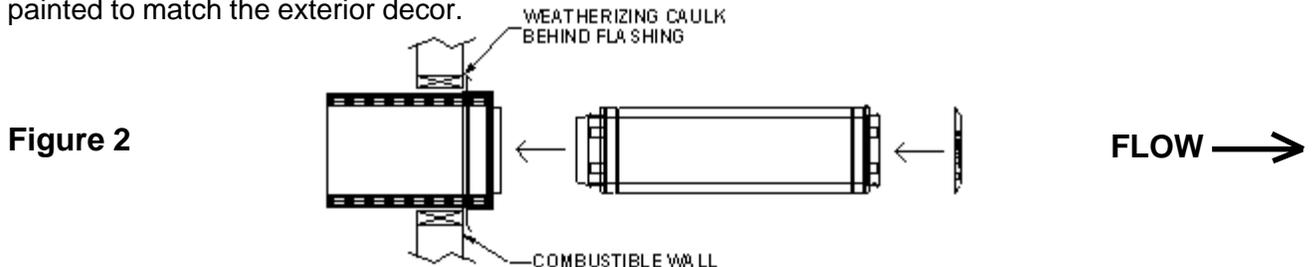
   3. Proceed with the installation of Saf-T Vent CI Plus sections and terminate it through the Wall Termination Assembly (Figure 3). Install the End Collar on the last section to close off the 1" air space around the inner vent. Seal between the vent and the End Collar for weather conditions. The assembly is constructed to allow for 2 degrees (1/4" per foot) of pitch in the vent sections. Seal the gap between the vent and the end plate of the Assembly using silicone caulk suitable for extended exposure to the elements.

SILICONE SEALANT

Figure 3

Figure 4   2.00 REF.

FLOW ⟶

   4. The vent section must protrude at least 2 inches into the screened area beyond the end plate of the Wall Termination Assembly (Figure 4). Attach the screen cover using stainless screws. Align the hole in the top (solid) portion of the screen cover with the top of the assembly and securely screw the two pieces together. The screen cover may be easily removed for inspection of the venting system.

Maintenance Procedures:

● Normal operation of gas burning appliances does not result in deposits of combustible soot in venting systems. However, a poorly adjusted or malfunctioning appliance can deposit soot and other debris which can enter the vent system. As with all vents, the Saf-T Vent CI Plus system should be inspected at least annually for the presence of deposits of soot or debris. Any such accumulation should be removed and the appliances adjusted to eliminate future accumulation.

● At regular periods the system should also be inspected for signs of leakage of condensate or combustion by-products at all joints. If any leakage is found the connected appliances should be turned off and the leaks repaired.

● If the system incorporates a drain hose from either an in-line fitting or from a drain tee then the hose must be inspected periodically to assure that water remains in the trap loop. If a proper trap loop is not maintained exhaust from the connected appliances may accumulate in the building area.

Technical and Dimensional Data

Saf-T Vent®

Appliance Adapters

AL 29-4C® Stainless Steel
Special Gas Vent

heatfab
High-performance chimneys and vents.

130 Industrial Boulevard
Turners Falls, MA 01376

Call (800) 772-0739
Fax (413) 863-4803

www.heat-fab.com

Saf-T Vent®Appliance Adapters

Heat-fab Saf-T Vent adapters are compatible with all Saf-T Vent brands–
EZ Seal, SC, CI, and CI Plus. A listing of Appliances by make and model with the appropriate
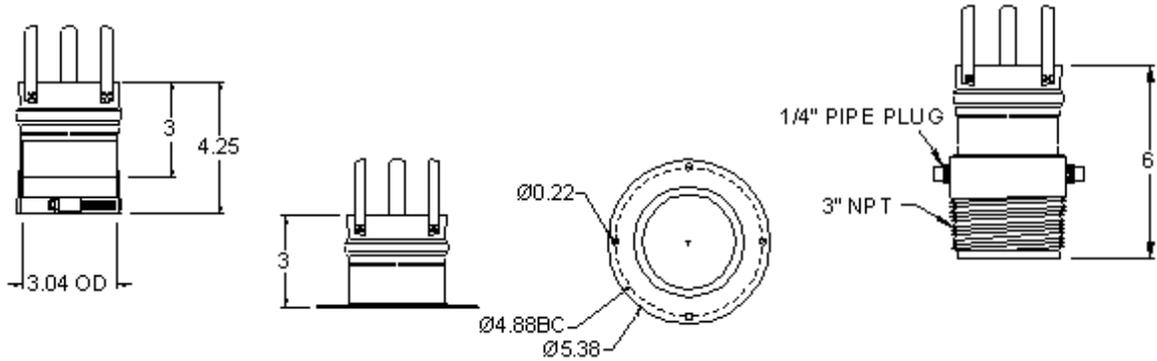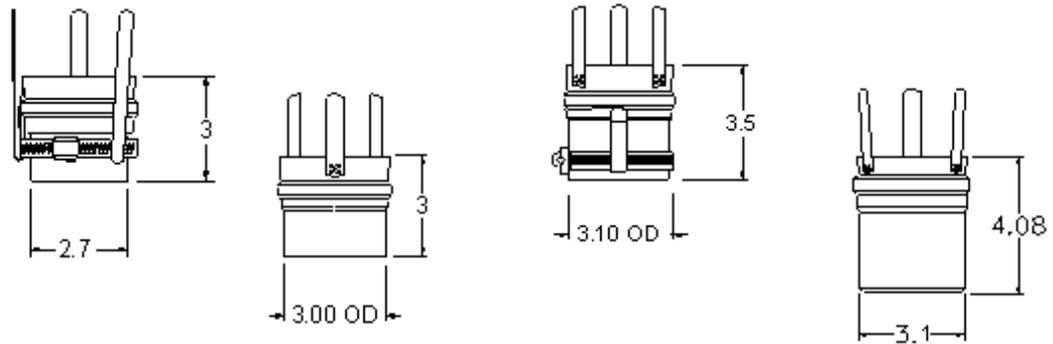*Saf-T Vent adapter starts on page 20.*

Heat-fab, Inc.

Saf-T Vent® Appliance Adapters

3" Adapters ——Adapters for appliances with 3" flue collars.

9301AMTK

9301CRWN

9301FUL

9301ICP

9301THI

9301UTI

9301VSMN
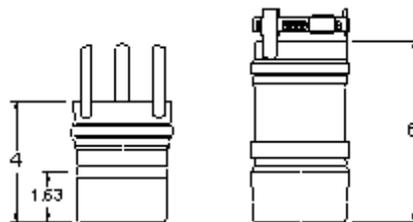
Burnham (Gasketed) to Saf-T Vent EZ

Saf-T Vent EZ to Burnham (Gasketed)

9353BUREZ

Saf-T Vent®Appliance Adapters

3" Adapters ——Adapters for appliances with 3" flue collars.

9301MOD

2.875

Ø .18
2 HOLES
180° APART

3.06

9302 MOD

3.1

12

10.5

9301PAL

5

2

2.37 ID (60mm)

9302PL

3.25

12

10.5

93PLSTEE

5.31

3.68

3

5.25

3.16 ID

.38

9301VAIL

2.50

Ø0.27

Ø3.53 BC

Ø4.00
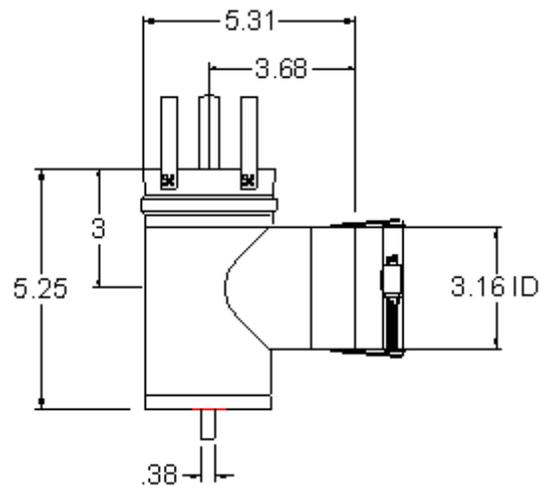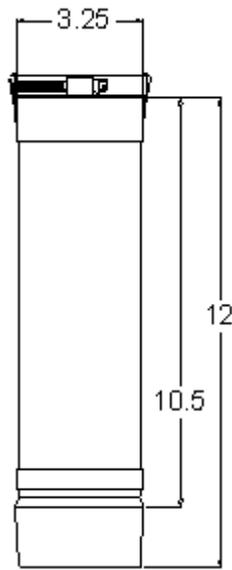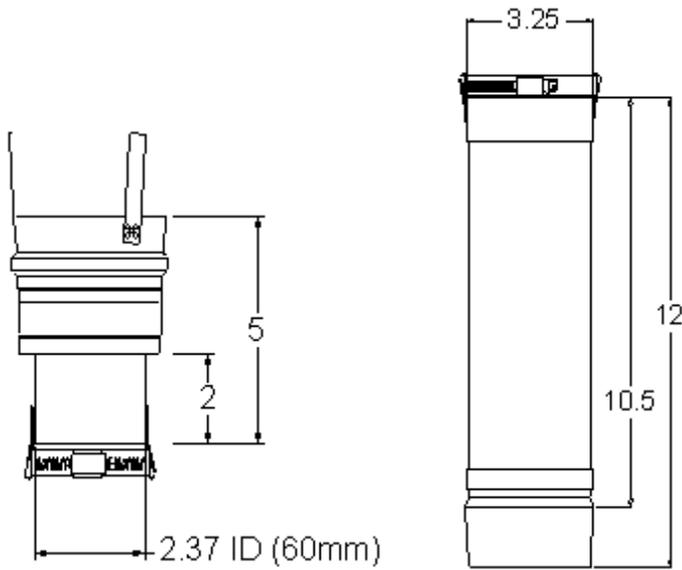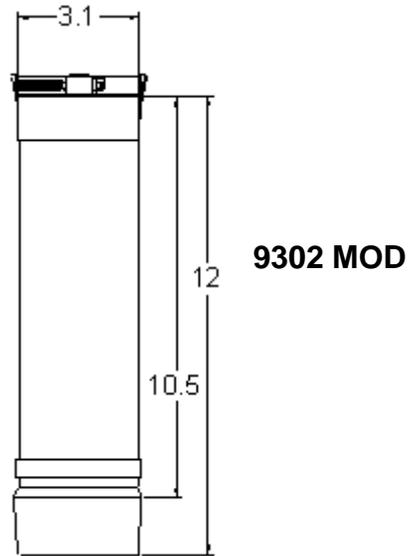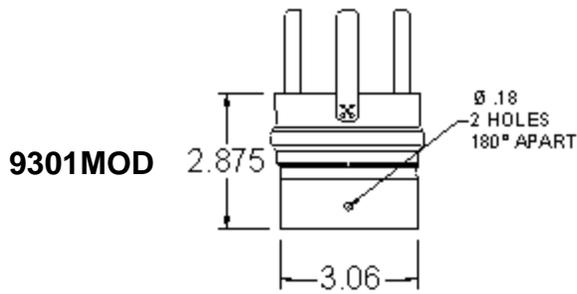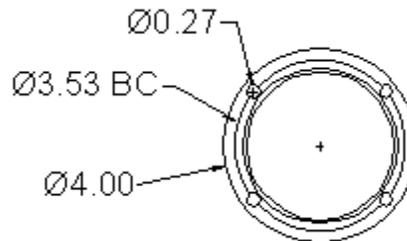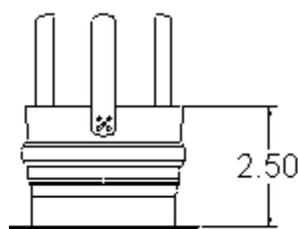
3" Adapters —Adapter for appliances with 3" flue collars.

9301BSH

9301CPVC
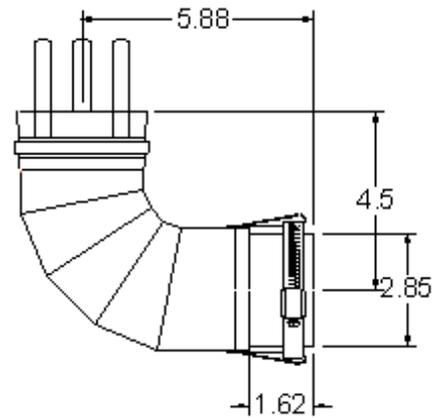
9314SMI
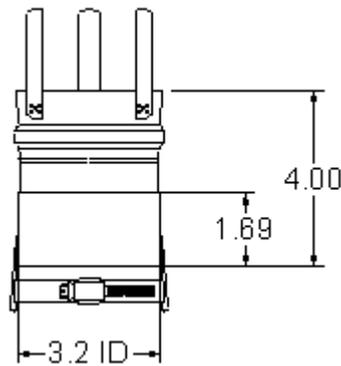
9301DEL
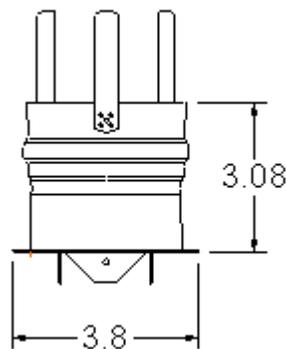
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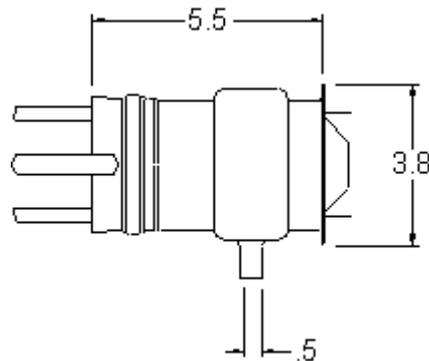
9SF440697

3" Weil-McLain Adapters —Adapters for Weil-McLain appliances.
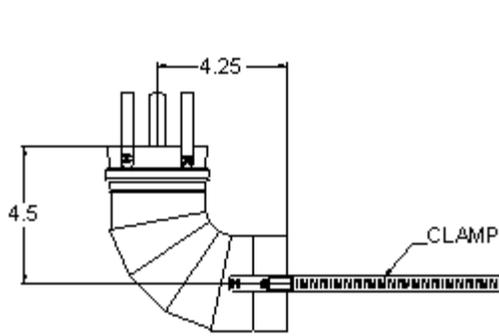
93WMSTLH
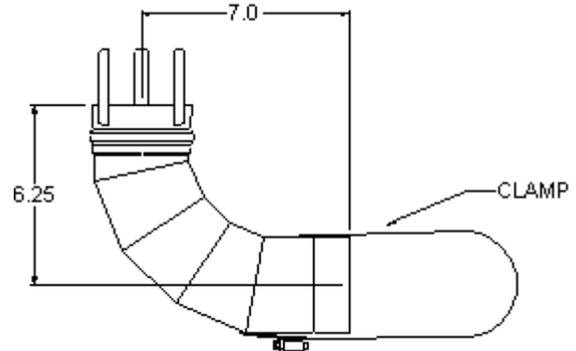
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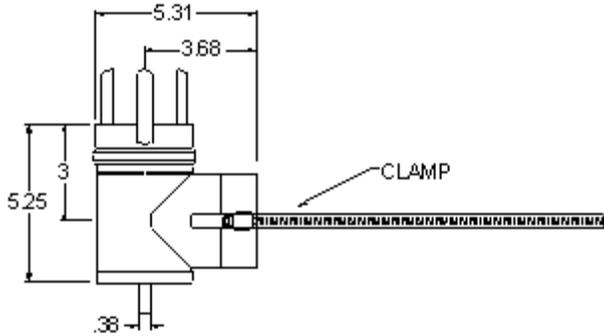
93WMSTEE
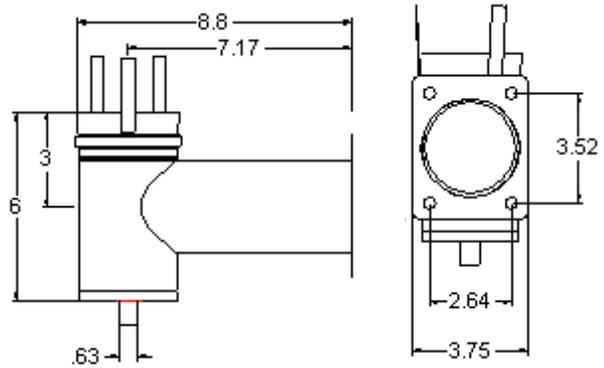
93WMSTXL
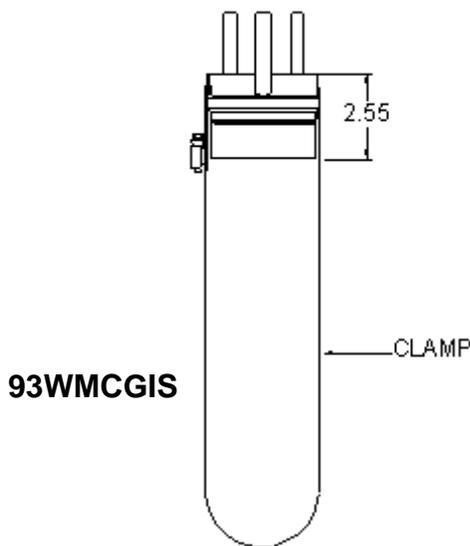
93WMCGIS
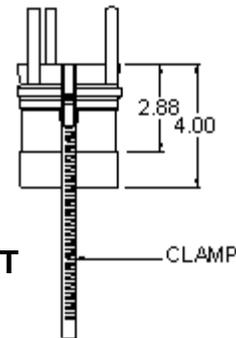
93WMSTRT

Saf-T Vent®Appliance Adapters

4" Adapters ——Adapters for appliances with 4" flue collars.
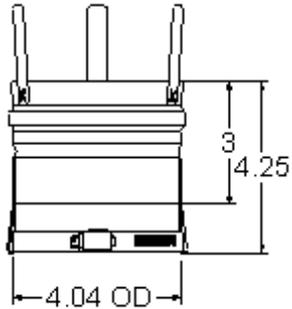
9401AMTK
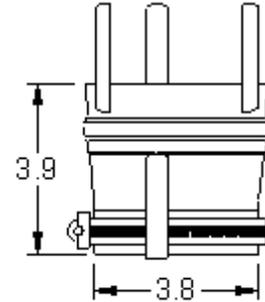
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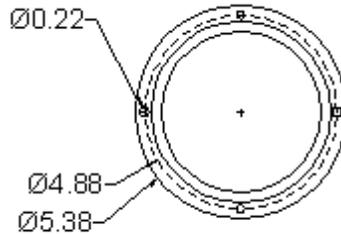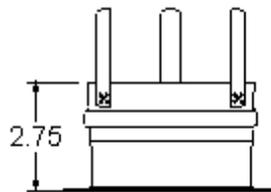
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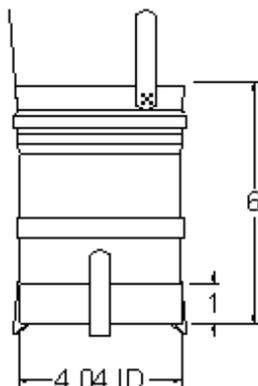
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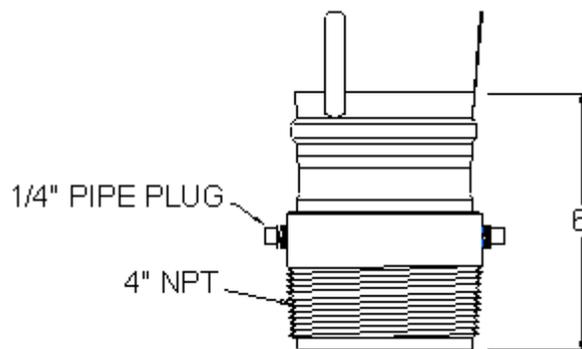
9401FUL

Saf-T Vent®Appliance Adapters

4" Adapters —Adapters for appliances with 4" flue collars.
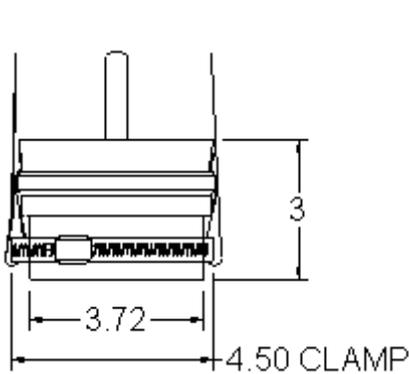
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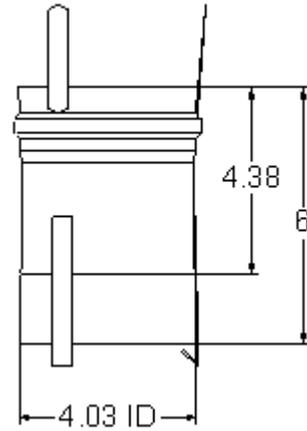
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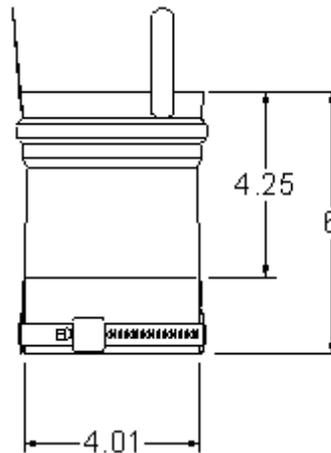
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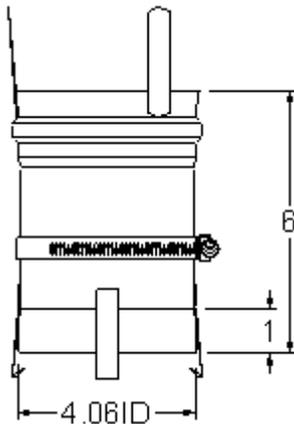
9401PVI
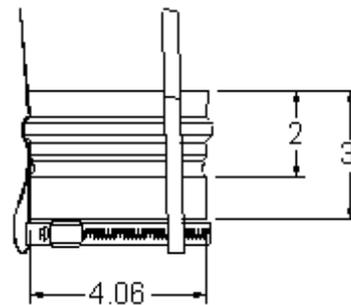
9401RHM

8

4" Adapters —Adapters for appliances with 4" flue collars.
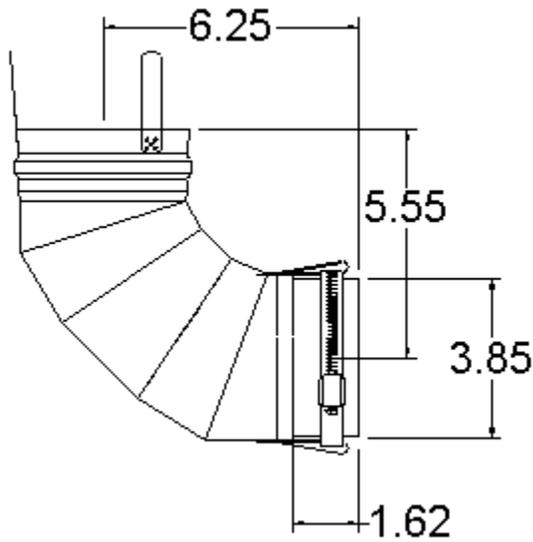
9414SMI
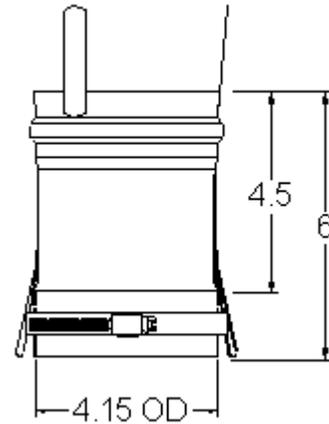
9401UTI
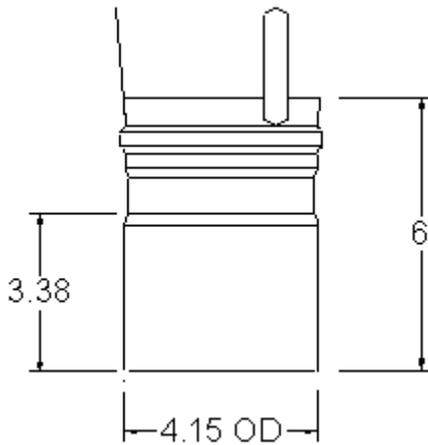
9401SRI
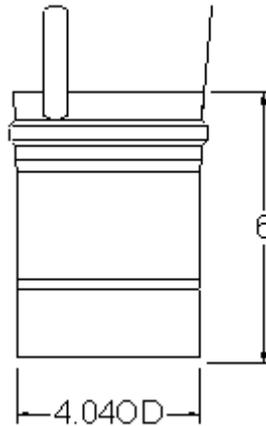
9401VAIL
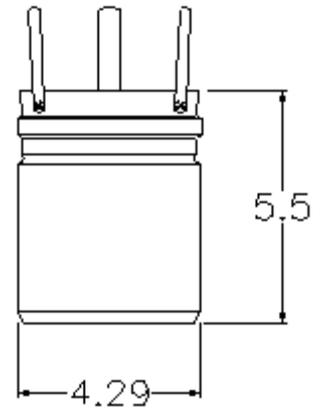
9401VSMN

Saf-T Vent®Appliance Adapters

Over-the-Flue-Collar Appliance Adapter — A generic flue collar adapter used on appliances with vent outlets that are slightly out-of-round or of irregular diameters. The split-seam design allows the adapter to clamp around irregular or inconsistent flue collars while still providing a secure connection to Saf-T Vent systems.
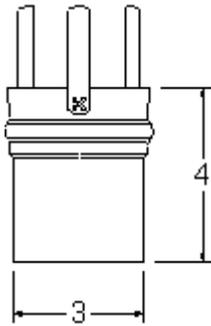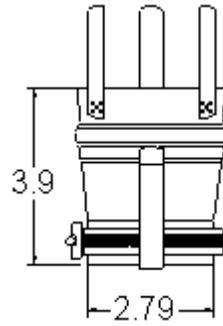
Part Number	DIM - A Nominal Diameter	DIM - B Minimum Flue Collar Diameter	DIM - C Installed Length	DIM - D Minimum Recommended Interface Length
5301BOI	3	2.85	8	1.5
5401BOI	4	3.75	8	1.5
5501BOI	5	4.75	8	1.5
5601BOI	6	5.75	8	1.5
5701BOI	7	6.75	8	1.5
5801BOI	8	7.75	8	1.5
5901BOI	9	8.75	8	1.5
51001BOI	10	9.75	8	1.5
51201BOI	12	11.75	8	1.5
51401BOI	14	13.75	8	1.5
51601BOI	16	15.75	8	1.5
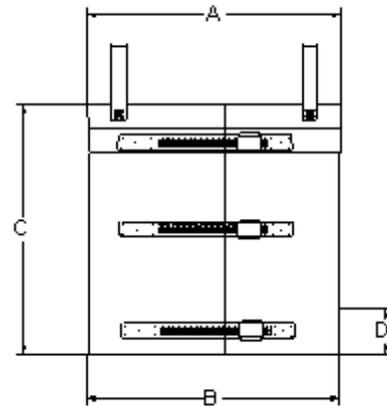
Over-the-Flue-Collar Appliance Adapter

Into-the-Flue-Collar Appliance Adapter — A generic flue collar adapter used on appliances with vent outlets with a nominal inside diameter. The crimped portion of this adapter is inserted into the flue collar while the hose clamp is tightened around the outside to create a mechanical joint.

Part Number	DIM - A Nominal Diameter	DIM - B Male End Crimp O.D.	DIM - C Overall Length	DIM - D Crimp Length	DIM - E Maximum Clamp Diameter
9363	3	2.9	4	0.75	3.5
9464	4	3.9	4	1.75	4.5
9565	5	4.9	4	1.75	5.5
9666	6	5.9	4	1.75	6.5
9767	7	6.9	4	1.75	7.5
9868	8	7.9	4	1.75	8.5

Into-the-Flue-Collar Appliance Adapter

Heat-fab, Inc.

130 Industrial Boulevard • Turners Falls, MA 01376
Phone 800 772 0739 • Fax 413 863 4803 • www.heat-fab.com
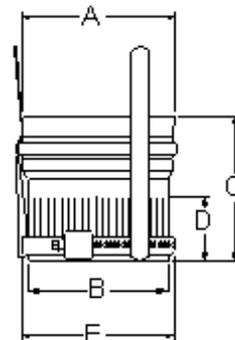
Saf-T Vent®Appliance Adapters

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 8" coupler band.

Part Number	DIM - A Nominal Inner Diameter	DIM - B Nominal Diameter Outer Jacket
CCA05ADUV	5	7.3
CCA06ADUV	6	8.3
CCA07ADUV	7	9.3
CCA08ADUV	8	10.3
CCA09ADUV	9	11.3
CCA10ADUV	10	12.3
CCA12ADUV	12	14.3
CCA14ADUV	14	16.3
CCA16ADUV	16	18.3
CCA18ADUV	18	20.3
CCA20ADUV	20	22.3
CCA22ADUV	22	24.3
CCA24ADUV	24	26.3
CCA26ADUV	26	28.3
CCA28ADUV	28	30.3
CCA30ADUV	30	32.3
CCA32ADUV	32	34.3

FLOW   4.0

A

B
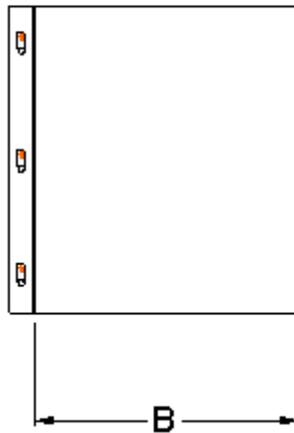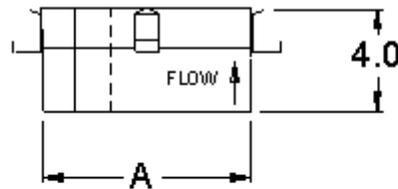
Saf-T Vent®Appliance Adapters

Flange-Type Appliance Adapter — A generic adapter used on appliances with a vent outlet that includes a bolted-on flange connection. Bolt holes and hardware are provided by the installer. Custom bolt hole patterns can be provided for an additional charge. Each Saf-T Vent CI Plus appliance adapter comes standard with a 8" long and a 5" long Saf-T Vent CI Coupler, the Saf-T Vent Ci appliance adapter comes standard with a 12" long Saf-T Vent CI Coupler.

Part Number	DIM - A Nominal Diameter	DIM - B Installed Length	DIM - C Flange Diameter
CCA05ADFL	5	12	8
CCA06ADFL	6	12	9
CCA07ADFL	7	12	10
CCA08ADFL	8	12	11
CCA09ADFL	9	18	12
CCA10ADFL	10	12	13
CCA12ADFL	12	12	15
CCA14ADFL	14	12	17
CCA16ADFL	16	12	19

Note: Bolt Holes are to be field installed.
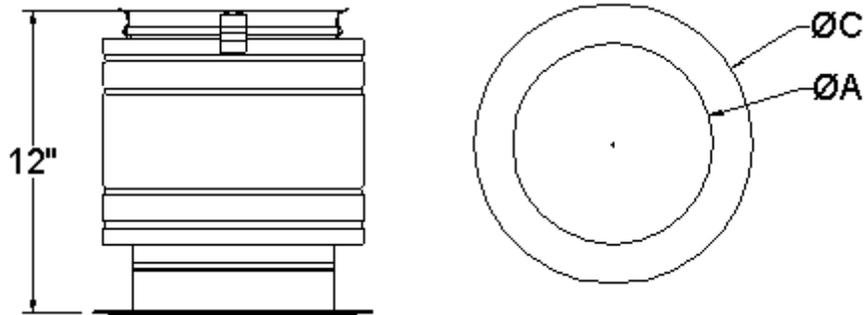
Part Number	DIM - A Nominal Diameter	DIM - B Installed Length	DIM - C Flange Diameter
5804BOI	8	18	11
5904BOI	9	18	12
51004BOI	10	18	13
51204BOI	12	18	15
51404BOI	14	18	17
51604BOI	16	18	19

Heat-fab, Inc.
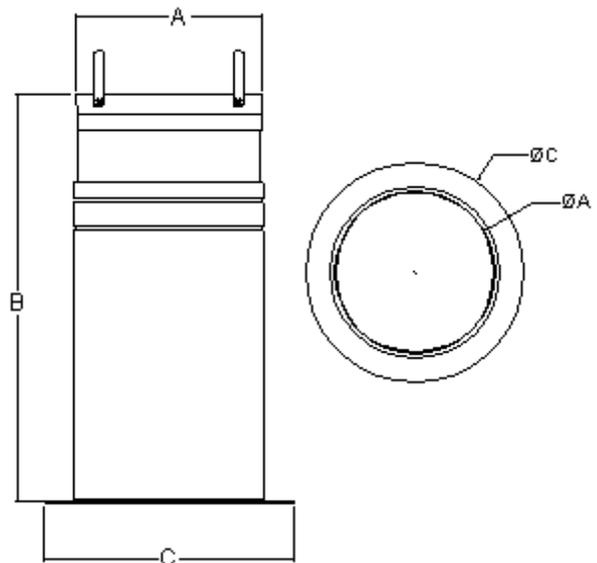
Saf-T Vent® Appliance Adapters

Aerco Adapter —Adapters for Aerco appliances.

Part Number	Nominal Diameter	Installed Length	Flange Diameter	Bolt Centers
5604AER	6	18	9.19	7.75
5802AER	8	12	11.63	10.13
CCA06ADKC	6	18	9.19	7.75
CCA08ADBK	8	12	11.63	10.13

CCA06ADKC

5604AER

CCA08ADBK

5802AER
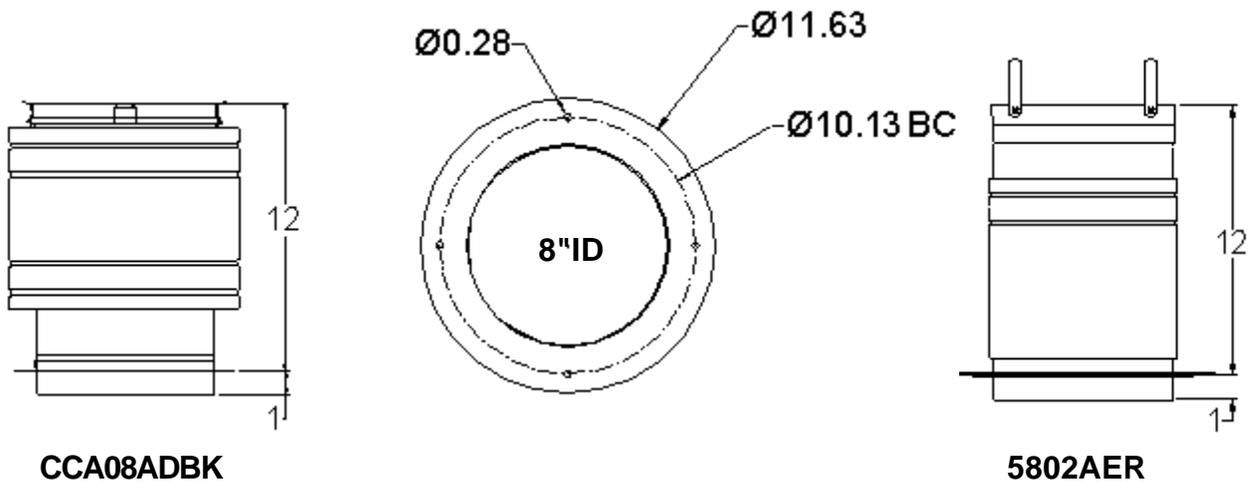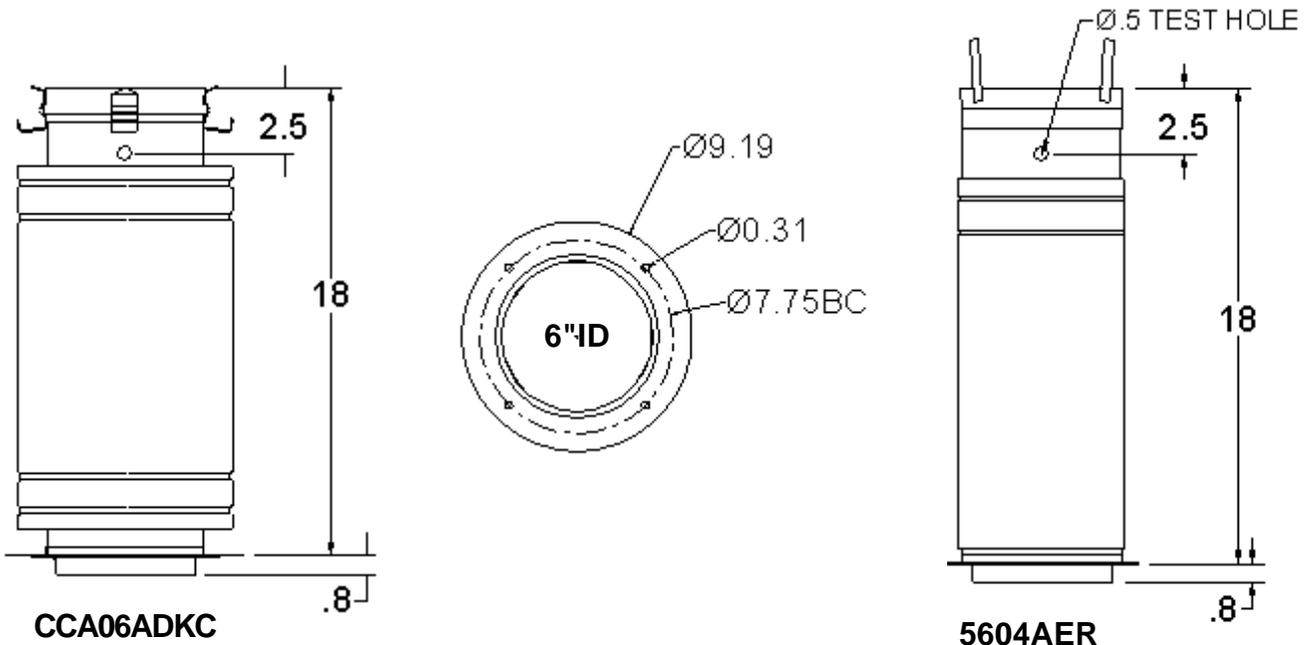
Saf-T Vent®Appliance Adapters

Aerco Elbow Adapter —90° elbow adapters for Aerco appliances. Note: To avoid water system supply and return piping, this fitting must be rotated from the vertical position.

Part Number	Nominal Diameter	Installed Length	Flange Diameter	Bolt Centers
5814AER	8	12	11.63	10.13
CCA08ADBK90	8	12	11.63	10.13

CCA08ADBK90

5814AER

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130 Industrial Boulevard • Turners Falls, MA 01376
Phone 800 772 0739 • Fax 413 863 4803 • www.heat-fab.com
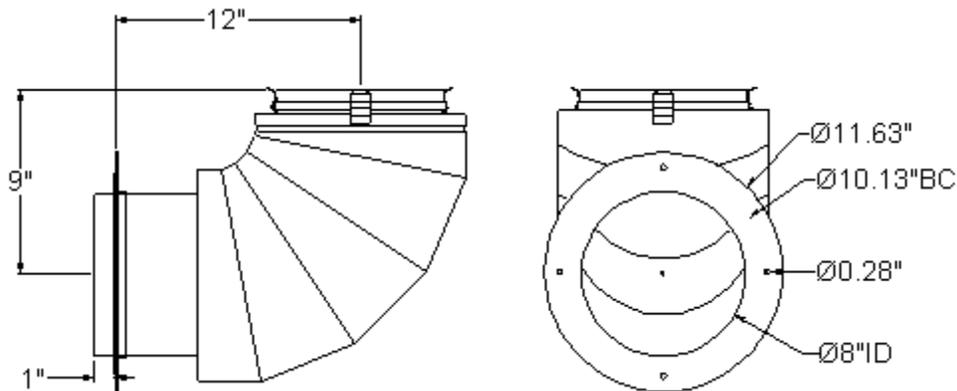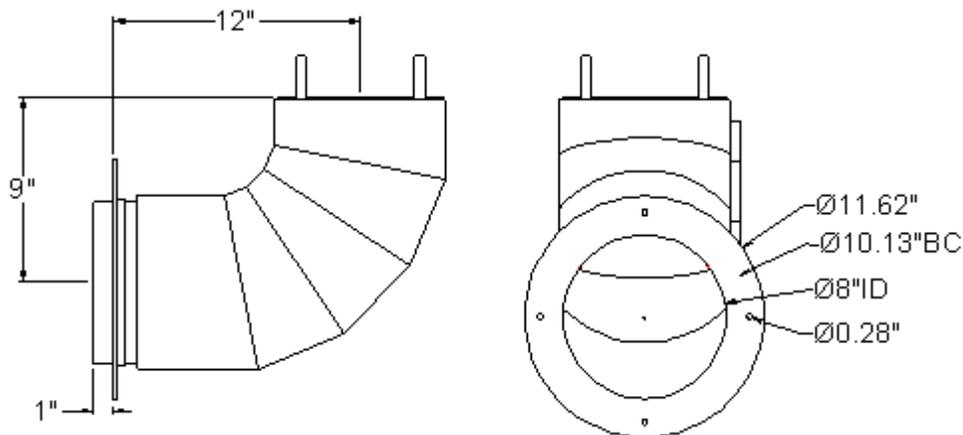
Saf-T Vent®Appliance Adapters

Buderus Appliance Adapter — This adapter is specially designed to connect directly into the vent outlet of Buderus SB Series boilers. The hose clamp is tightened around the outside of the flue collar to create a mechanical joint.

Part Number	DIM - A Nominal Diameter	DIM - B Male End Crimp O.D.	DIM - C Overall Length	DIM - D Crimp Length	DIM - E Maximum Clamp Diameter
9601SB*	6	7.18	7.5	1.75	7.5
9801SB	8	7.9	4.0	1.75	8.5
91001SB	10	9.9	4.0	1.75	10.5
91201SB	12	11.9	4.0	1.75	12.5
91401SB	14	13.9	4.0	1.75	14.5
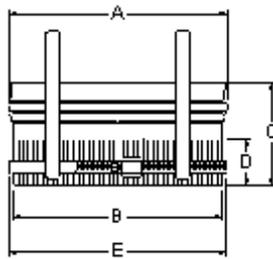
Buderus SB Boiler Adapter
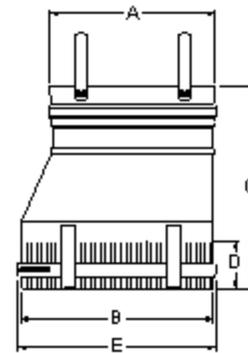
*9601SB

Hydrotherm Adapter — This adapter is specially designed to connect directly to the vent outlet of the Hydrotherm KN-10.
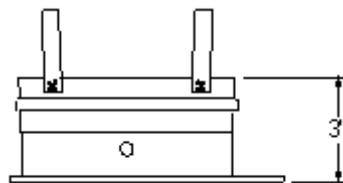
9601KN10

CCA06ADKN

Ø0.40

Ø9.00

Ø7.75
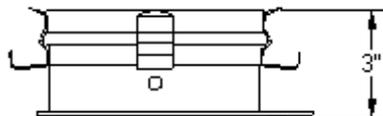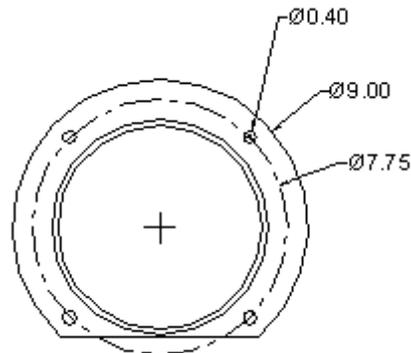
Saf-T Vent®Appliance Adapters

Laars MightyMax Adapter — This adapter is specially designed to connect directly to the vent outlet of a Laars MightyMax Boiler. This part is supplied by Laars Heating Systems with MightyMax Boilers that require AL 29-4C® venting.

Part Number	DIM - A Nominal Diameter	DIM - B Installed Length	DIM - C Plate Size	DIM - D Bolt Centers
9601LARS	6	4	7	6
9701LARS	7	4	8	7
9801LARS	8	4	9	8
9901LARS	9	4	10	9
91001LARS	10	4	11	10
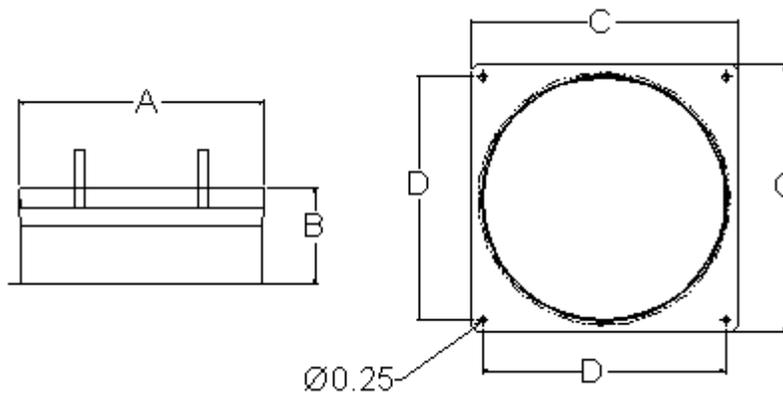
Laars Adapter

Lochinvar Adapter —Adapters for Lochinvar appliances.

Part Number	DIM - A Nominal Diameter	DIM - B Diameter	DIM-C Overall Length	DIM-D Installed Length	Use
9454LOCH	4	4.5	6	4.38	Sidewall Vent Cap Adapter
9555LOCH	5	5.5	6	4.38	Sidewall Vent Cap Adapter
9514LOCH	5				Appliance Adapter

Sidewall Vent Cap Adapter

7.25
8.75
5.50 CLAMP
4.9
9514LOCH

Heat-fab, Inc.
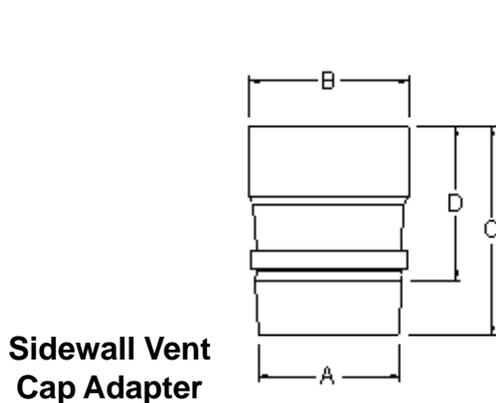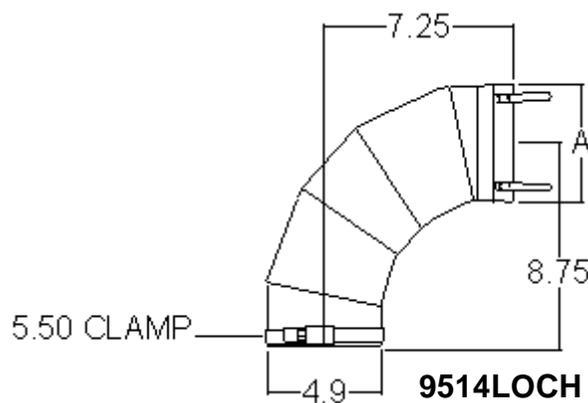
Saf-T Vent® Appliance Adapters

Fulton Muffler Adapters ——These adapters make the connection between Saf-T Vent products and Fulton Exhaust Mufflers. The 4" diameter has Saf-T Vent EZ Seal ends and the 6" diameter is made of heavy wall material and has non-gasketed Saf-T Vent ends.

9401FMA

HS601FMA
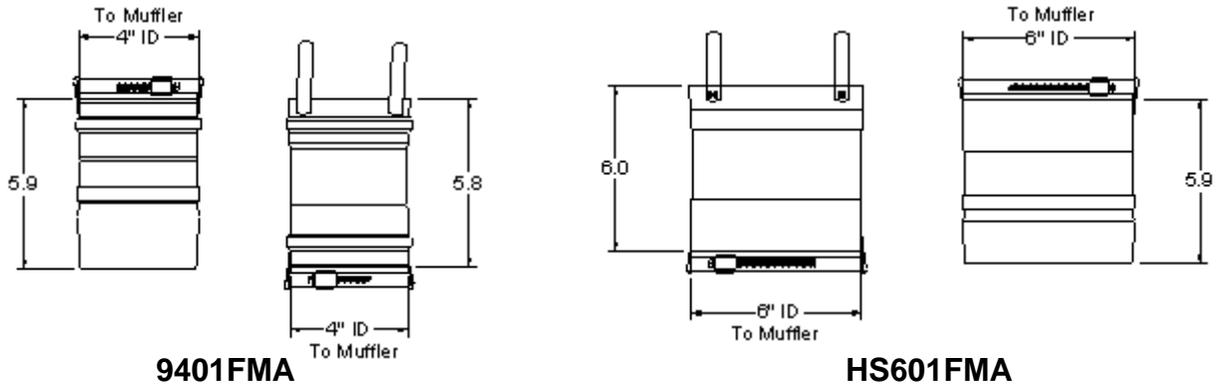
Noritz Adapter ——This adapter makes the connection between Saf-T Vent products and Noritz water heaters that require 5" diameter vent.
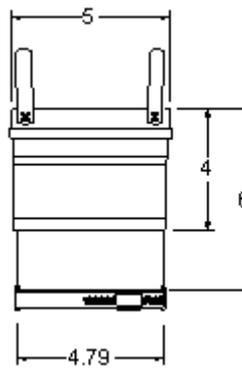
9501NOR

P-K Mach Adapter — This adapter is specially designed to connect directly to the vent outlet of P-K Mach Boilers, Series C-300, C-450, C-900, and C-1050.
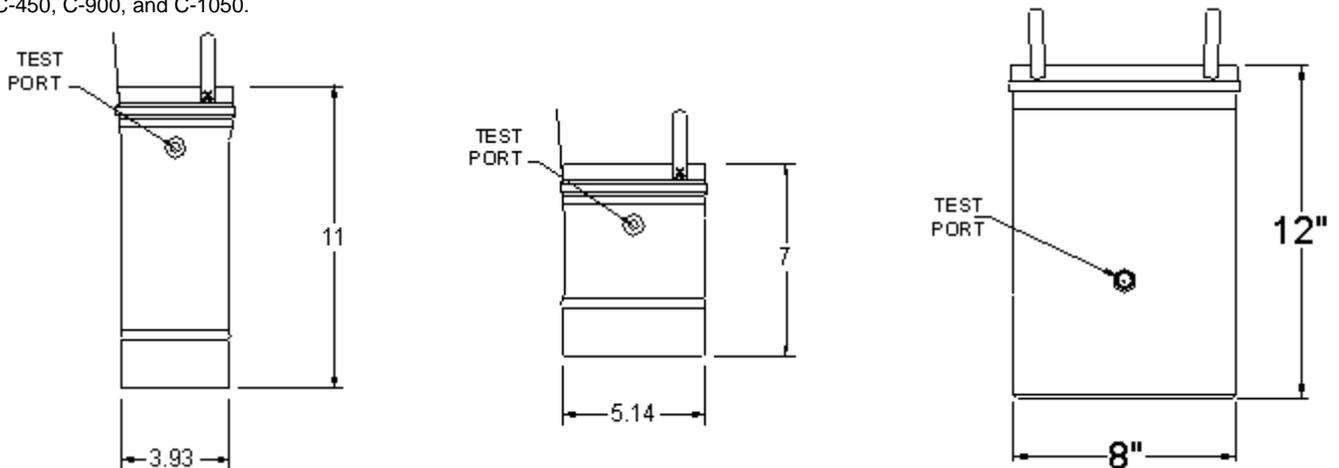
9401MACH Adapter

9501MACH Adapter

9801MACH Adapter

Saf-T Vent®Appliance Adapters

Raypak Boiler Adapter — This adapter is specially designed to connect directly into the vent outlet of Raypak's ADB or High Delta boilers. The hose clamp is tightened around the outside of the flue collar to create a mechanical joint.

Part Number	DIM - A Nominal Diameter	DIM - B Flue Collar I.D.	DIM - C Hose Clamp Diameter	DIM - D Installed Length	DIM - E Overall Length
9401RYPK	4	4	4.5	1.50	3.75
9501RYPK	5	5	5.5	1.50	3.75
9601RYPK	6	6	6.5	1.50	3.75
9801RYPK	8	8	8.5	1.50	3.75
9901RYPK	9	9	9.5	1.50	3.75
91001RYPK	10	10	10.5	1.50	3.75
91201RYPK	12	12	12.5	1.50	3.75
91401RYPK	14	14	14.5	1.50	3.75
91601RYPK	16	16	16.5	1.50	3.75

Raypak Boiler Adapter
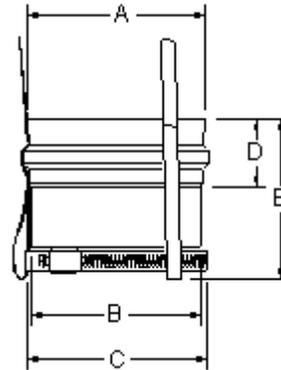
Raypak Vent Cap Adapter — This adapter makes the connection between Saf-T Vent products and Raypak's Flue Exhaust Vent Cap.

Part Number	DIM - A Nominal Diameter	DIM - B Overall Length
9490RYPK	4	9
9590RYPK	5	9
9690RYPK	6	9
9890RYPK	8	9
9990RYPK	9	9
91090RYPK	10	9
91290RYPK	12	9
91490RYPK	14	9
91690RYPK	16	9

Raypak Vent Cap Adapter

Heat-fab, Inc.
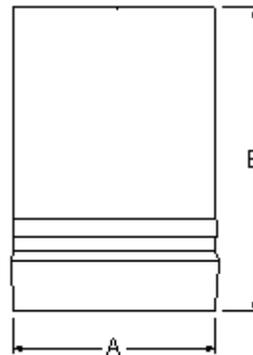
Saf-T Vent® Appliance Adapters

Rinnai Appliance Adapters — The straight adapter, SC03AD01, or elbow adapter, SC3AD01E, is specially designed to connect directly into the vent outlet of the Rinnai Continuum model V2532.

3"Ø INNER — — 5"Ø OUTER

2 1/8"
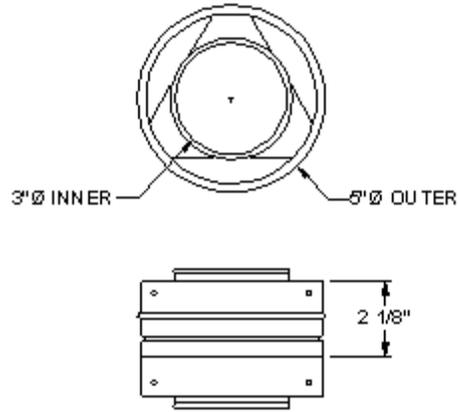
SC03AD01
Straight Adapter

3"Ø INNER — — 5"Ø OUTER

6

7
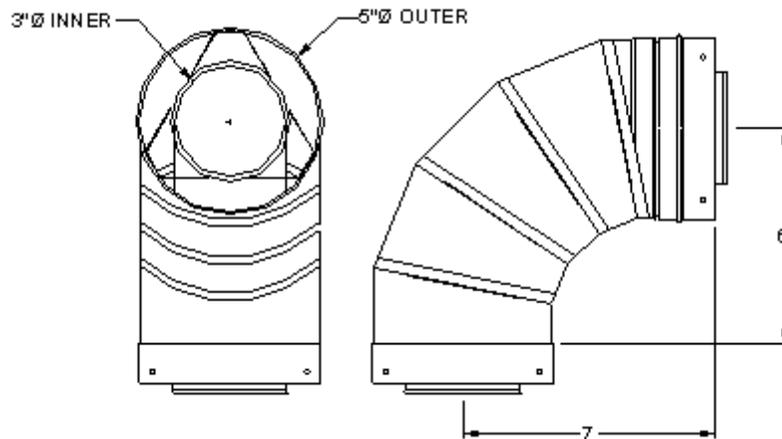
SC03AD01E
Elbow Adapter

Saf-T Vent®Appliance Adapters

Appliance Makes and Models:

General Notes:

The following appendix includes adapters from all of Heat-fab's Saf-T Vent brands ;

EZ Seal, SC, CI, and CI Plus.

Adapters are listed by the appliance manufacturer.

Heat-fab Saf-T Vent adapters are compatible with all of Saf-T Vent brands pipes and fittings.

CI to EZ Seal, for more details please refer to Technical Bulletin # 11719.

CI or EZ Seal to CI Plus requires an adapter, refer to publication PI-CCADKT.

CI Plus to CI or EZ Seal requires an adpater also, refer to publication PI-CCADSV.

Terms:

Burnham Vent ONLY – The only AL 29-4C vent approved for this late-model appliance is Burnham's proprietary venting system. Contact Burnham Corporation for a local supplier.

Call Heat-fab – At the time of publication an appliance adapter had not been determined. Please call Heat-fab at 800-772-0739 for our current recommendation.

Factory Accessory (HF) – This is an accessory supplied by the Appliance Manufacturer for some venting configurations. The vent connection on the accessory is equipped with Heat-fab's standard female end. No separate adapter is required.

Factory Supplied (Gen.) – The appliance is shipped with a generic flue collar that will accept a standard male end of a Heat-fab Saf-T Vent product. No separate adapter is required.

Factory Supplied (HF) – The appliance's flue collar is equipped with Heat-fab's standard female end. No separate adapter is required.

Vent Kit (HF) – A standard vent kit for this model is available from Heat-fab.

Vent Kit (Mfg.) – A standard vent kit for this model is available from the Appliance Manufacturer.

Don't See Your Appliance?

If your appliance is not listed, please give us a call at
800-772-0739. We'll work with you and the
Appliance Manufacturer to find a solution.

Heat-fab, Inc.

Saf-T Vent®Appliance Adapters

Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Aerco International	KC1000 Series (KC-1000 thru KC1000-8)	6	5604AER or CCA06ADKC	14
	Benchmark (BMK 2.0) Series (BM/2000 thru BM/2000-8)	8	5802AER, CCA08ADBK (straight), or 5814AER, CCA08ADBK90 (90° elbow)	14
Ajax	Atlas Goldstar GS-10-A01G	6	Factory Supplied (HF)	
	Atlas Goldstar GS-15-A01G	8	Factory Supplied (HF)	
A.O. Smith Water Products	Genesis GB & GW-200	4	9464	10
	GB & GW -300	5	9565	10
	GB&GW-400 & -500	6	9666	10
	GB & GW -650 & -750	8	9868	10
	GB & GW 1000	10	5100BOI or CCA10ADUV	10 & 11
	GB & GW-1300 & -1500	12	51201BOI or CCA12ADUV	10 & 11
	GB & GW-1850 & -2100	14	51401BOI or CCA14ADUV	10 & 11
	GB & GW-2500	16	51601BOI or CCA16ADUV	10 & 11
	Legend 2000 LB & LW-500, -750	6	Factory Supplied (HF)	
	LB & LW-1000	7	Factory Supplied (HF)	
	Pro Star XT 19400	4	9401RYPK	18
Bard Mfg.	IH, IC, IL, ISG, & MPG Gas Furnaces	3	9363 for 3" dia. Vent	10
		4	9464 for 4" dia. vent	10
Beacon/Morris	BRU / BTU 100 - 250	5	9565	10
	BRU / BTU 300 - 400	6	9666	10
Bosch	AquaStar 125FX	4	9464	10
	AquaStar 240FX	4	9464	11
	AquaStar 250SX	3	9301BSH	5
	Pro Tankless GWH-635-ES	3	9301BSH	5
Buderus	GA124 17, 23, 30	3	9301AMTK	3
	GA244 37, 44, 53	3	9301AMTK	3
	G124X 18, 25, 32	3	9301AMTK	3
	GA244 62	4	9401AMTK	7
	G-515 Series Cast Iron Boilers	10	51001BOI or CCA10ADUV	10 & 11
	G-605 Series Cast Iron Boilers	14	51401BOI or CCA14ADUV	10 & 11
	SB615 145, 185	6	9601SB	15
	SB615 240, 310	8	9801SB	15
	SB615 400	10	91001SB	15
	SB615 510, 640	12	91201SB	15
	SB735-790/970/1200	14	91401SB	15
	GB142	3	9301CPVC	5

Heat-fab, Inc.

Saf-T Vent®Appliance Adapters

Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Burnham	Revolution Series	3	9353BUREZ	3
	Series 2PV	3	9353BUREZ	3
	Spirit Series	3	9353BUREZ	3
	Independence PV Series	3	Burnham Vent ONLY	
	Minuteman Series	3	Burnham Vent ONLY	
	XG2000A Series	3	Burnham Vent ONLY	
Camus	Dynaflame 500	6	5601BOI or CCA06ADUV	10 & 11
	Dynaflame 750,1100	8	5801BOI or CCA08ADUV	10 & 11
	Dynaflame1500, 1750	10	51001BOI or CCA10ADUV	10 & 11
	Dynaflame 2000,2500, 3000	12	51201BOI or CCA12ADUV	10 & 11
Cleaver Brooks	Clearfire MCF-750	10	51001BOI or CCA10ADUV	10 & 11
	Clearfire MCF-1000	10	51001BOI or CCA10ADUV	10 & 11
	Clearfire MCF-1500	12	51201BOI or CCA12ADUV	10 & 11
	Clearfire MCF-1800	12	51201BOI or CCA12ADUV	10 & 11
Columbia Boiler	CDV38 thru CDV125	3	9301UTI	3
	CDV150 thru CDV200	4	9401UTI	9
	LVGD90-120	4	9464	10
Comfortmaker	GUA or GDA Series 40, 60, 80	3	9301ICP	3
	GUA or GDA Series 100, 120	4	9401ICP	8
Crown Boiler	Bali BWF 061-162	3	9301CRWN	3
	Bali BWF 195-229	4	9401CRWN	7
	Cabo CSC-50 thru CSC-150	3	9301CRWN	3
	Cabo CSC-175 and CSC-200	4	9401CRWN	7
	CXE-2 thru CXE-5	3	9301THI	3
	CXE-6 and CXE-7	4	9464	10
	XE Series (XE-2 thru XE-5)	4	9401DUN	7
Dunkirk Radiator	XE Series (XE-2 thru XE-5)	4	9401DUN	7
	XEB-2 thru XEB-5	3	9301THI	3
	XEB-6 and XEB-7	4	9464	10
Frigidaire	see Nordyne			
Fulton Boiler Works	PulsePak PHW-300, 500, 750, 950, 1000 (on/off)	4	9401FUL	7
	PulsePak PHW-300, 500, 750, 950, 1000, 1400 (modulating)	4	Factory Supplied (Gen.)	
	Pulse PHW-2000	6	Factory Supplied (Gen.)	
	Vantage 3000	12	51201BOI or CCA12ADUV	10 & 11
	4" Fulton Exhaust Muffler	4	9401FMA	17
	6" Fulton Exhaust Muffler	6	HS601FMA	17

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Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Gasmaster Industries	GMI 200, 300, 400	4	5401BOI	10
	GMI 600	6	5601BOI or CCA10ADUV	10 & 11
	GMI 800, 1M	8	5801BOI or CCA8ADUV	10 & 11
	GMI 1.5M, 2M	12	51201BOI or CCA12ADUV	10 & 11
	GMI 4M	18	51801BOI or CC18ADUV	10 & 11
Gibson	see Nordyne			
Hatco Corporation	Powermite PMG-100 & -200	4	5401BOI	10
Hayward Pool Prod.	H250IDL(P) & H400IDL(P)	6	Factory Supplied (HF)	
H. B. SMITH	PVG-2 thru PVG-5	4	9401DUN	7
	PVGA-2 thru PVGA-5	3	9301THI	3
	PVGA-6 and PVGA-7	4	9464	10
Hobart Corporation	IB57 & IB140 Booster Heater	3	9363	10
	IB235 & IB290 Booster Heater	4	9464	10
Hydrotherm	HI-85/50B, HI-125/75B, HI-165/100B)	4	9401MES	8
	ID-85A, ID-125A, ID-165A	4	9401MES	8
	Innova IHS-40 thru IHS-160	4	9401MES	8
	Sabre FX - 70, 105, and 140	3	9314SMI	5
	FX - 175 and 200	4	9414SMI	9
	KN -10	6	9601KN (Factory Supplied) or CCA06ADKN	15
	KN -6	6 to 5	Factory Supplied (HF)	
	KN -20	9	Factory Supplied (HF)	
International Comfort Products (ICP)	GUA or GDA Series 40, 60, 80	3	9301ICP	3
	GUA or GDA Series 100, 120	4	9401ICP	8
Laars Heating Systems	Endurance EBP, EDN, & EDP (all sizes)	3	SC Vent Kit (Mfg.) or 9301THI	3
	Heatmaker H,HP, & HW (all sizes)	3	9301THI	3
	Mini-Therm JVi JVH/JVP 50 -225	4	9401JVI	8
	Mini-Combo id	4	5401BOI	10
	Summit	3	9301CPVC	5
	Rheos 1200, 1600 or Rheos Plus 1200, 1600	6	5601BOI or CCA06ADUV	10 & 11
	Rheos 2000 or Rheos Plus 2000	7	5701BOI or CCA07ADUV	10 & 11
	Rheos 2400 or Rheos Plus 2400	10	51001BOI or CCA10ADUV	10 & 11

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Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Laars Heating Systems	Pennant 500 (Cat I, III, & Sidewall)	6	5601BOI or CCA06ADUV	10 & 11
	Pennant 750 (Cat. I)	8	5801BOI or CCA08ADUV	10 & 11
	Pennant 750 (Cat. II & Sidewall)	6	5601BOI or CCA06ADUV	10 & 11
	Pennant 1000 (Cat. I)	10	51001BOI or CCA10ADUV	10 & 11
	Pennant 1000 (Cat. II & Sidewall)	8	5801BOI or CCA08ADUV	10 & 11
	Pennant 1500 (Cat. I)	12	51201BOI or CCA12ADUV	10 & 11
	Pennant 1500 (Cat. II & Sidewall)	10	51001BOI or CCA10ADUV	10 & 11
	Pennant 2000 (Cat. I)	14	51401BOI or CCA14ADUV	10 & 11
	Pennant 2000 (Cat. II & Sidewall)	12	51201BOI or CCA12ADUV	10 & 11
	MightyMax Series			
	HH,PH,PW, & VW 0320M	6	9601LARS *	16
	HH,PH,PW, & VW 0400M	7	9701LARS *	16
	HH,PH,PW, & VW 0520M	8	9801LARS *	16
	HH,PH,PW, & VW 0625M	8	9801LARS *	16
	HH,PH,PW, & VW 0775M	9	9901LARS *	16
	HH,PH,PW, & VW 1000M	10	91001LARS *	16
* Available from Laars Heating Systems for appliances being vented with AL294C.			
Lennox	CMWB-2 thru CMWB-5	3	9301THI	3
	CMWB-6 and CMWB-7	4	9464	10
	CXE-2 thru CXE-5	4	9401DUN	7
	CXEB-2 thru CXEB-5	3	9301THI	3
	CXEB-6 and CXEB-7	4	9464	10
Lochinvar	Copper-Fin II CF & CH 300	5	5501BOI or CCA05ADUV	10 & 11
	CF & CH 401, 501	6	5601BOI or CCA06ADUV	10 & 11
	CF & CH 651, 751	8	5801BOI or CCA08ADUV	10 & 11
	CF & CH 990	10	51001BOI or CCA10ADUV	10 & 11
	CF & CH 1260, 1440	12	51201BOI or CCA12ADUV	10 & 11
	CF & CH 1800, 2070	14	51401BOI or CCA14ADUV	10 & 11
	Efficiency+ EB/EW/EP 100	3	9363	10
	EB/EW/EP 150 and 200	4	9464	10
	EB/EW/EP 250 and 300	5	9565 or 9514LOCH	10 & 16
	Efficiency+ Sidewall Vent Cap Adapter	4	9454LOCH	16
	Efficiency+ Sidewall Vent Cap Adapter	5	9555LOCH	16
	Intelli-Fin IBL & IBN 1500	6	5601BOI or CCA06ADUV	10 & 11
	Intelli-Fin IBL & IBN 1700	7	5701BOI or CCA07ADUV	10 & 11
	Intelli-Fin IBL & IBN 2000	8	5801BOI or CCA08ADUV	10 & 11
	Power-Fin PB & PF Series 0250	5	5501BOI or CCA05ADUV	10 & 11
	PB & PF Series 0500/0501	7	5701BOI or CCA07ADUV	10 & 11
	PB & PF Series 0750/0751	9	5901BOI or CCA09ADUV	10 & 11
	PB & PF Series 1000/1001	10	51001BOI or CCA10ADUV	10 & 11
	PB & PF Series 1300	12	51201BOI or CCA12ADUV	10 & 11
	PB & PF Series 1500	8	5801BOI or CCA08ADUV	10 & 11
	PB & PF Series 1700	8	5801BOI or CCA08ADUV	10 & 11
	PB & PF Series 2000	10	51001BOI or CCA10ADUV	10 & 11

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Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Modine	Hot Dawg HD30 thru HD75	3	9301MOD	4
	Hot Dawg Vent Cap Adapter	3	9302MOD	4
New Yorker	PVCG Series (30 thru 60)	3	9353BUREZ	3
Nordyne	FG6RA-045	3	9363	10
	FG6RA-060 THRU -120	4	9464	10
	FG6RA-144	5	9565	10
	FG6RAK (all models)	4	9464	10
Noritz	N-042	3	9301PAL	4
	N-063S, N-069M, N-084M, N-084M-DV	4	9401RYPK	18
	N-132	5	9501NOR	17
Nortec	GHB / GHP / GHMC 100	3	9301AMTK	3
	GHB / GHP / GHMC 200 and 400	4	9401AMTK	7
Paloma Industries	PH-16UFN, PH-16UFH, PH-16FS	3	9301PAL	4
	PH-28RIFS	4	9401RHM	8
Patterson-Kelley, Co.	Modu-Fire N1000	10	51001BOI or CCA10ADUV	10 & 11
	Modu-Fire N1500 & N2000	12	51201BOI or CCA12ADUV	10 & 11
	Pulsar PO 350, 500	5	5501BOI or CCA05ADUV	10 & 11
	Thermific 700, 900, 1200	10	51001BOI or CCA10ADUV	10 & 11
	Thermific 1500, 1700, 1900	12	51201BOI or CCA12ADUV	10 & 11
	Mach C - 300	4	9401MACH	17
	Mach C - 450	5	9501MACH	17
	Mach C - 750	6	Factory Supplied (HF)	
	Mach C - 900	8	9801MACH	17
	Mach C - 1050	8	9801MACH	17
Peerless Heater	DE Series (all models)	3	9301AMTK	3
	PDE Series (all models)	3	93PLSTEE	4
	PDE Vent Cap Adapter	3	9302PL	4
	PSC Series (all models)	3	9301AMTK	3
Pennco	FS Series (FS-2 thru FS-5)	4	9401DUN	7
	FSB-2 thru FSB-5	3	9363	10
	FSB-6 and FSB-7	4	9464	10
Pentair Pool Products	Mini Max NT & Low NOX	4 or 5	5401BOI or 5501BOI	10 & 11
Precision Temp	PT-200 Gas Booster Heater	4	9464	10
PVI Industries	Power VT (all models)	4	9401PVI	8

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Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Raypak	B-50 & B-130A Gas Booster Heater	3	9363	10
	B-195 Gas Booster Heater	4	9464	10
	Advanced Design Boiler (ADB)			
	ADB-500	6	9601RYPK	18
	ADB-750	8	9801RYPK	18
	ADB-1000 w/out CHX	9	9901RYPK	18
	ADB-1000 with CHX	10	91001RYPK	18
	ADB-1500	12	91201RYPK	18
	Hi Delta			
	122	4	9401RYPK	18
	162, 202, 242, 302	5	9501RYPK	18
	322, 402 and 502	6	9601RYPK	18
	652, 752, and 902	8	9801RYPK	18
	992	10	91001RYPK	18
	1262 and 1532	12	91201RYPK	18
	1802, 2002, and 2072	14	91401RYPK	18
	2342	16	91601RYPK	18
	Vent Cap Adapters (ADB , Hi-delta)			
		4	9490RYPK	18
		5	9590RYPK	18
		6	9690RYPK	18
		8	9890RYPK	18
		9	9990RYPK	18
		10	91090RYPK	18
		12	91290RYPK	18
		14	91490RYPK	18
		16	91690RYPK	18
RBI Water Heaters	Futera 65, 100, & 150	3	5301BOI	10
	Futera 200, 250, & 300	4	5401BOI	10
	Futera 350 & 400	5	5501BOI or CCA05ADUV	10 & 11
	Futera II 500, Futera III 500 & 750	6	5601BOI or CCA06ADUV	10 & 11
	Futera II 750, Futera III 1250 & 1500	8	5801BOI or CCA08ADUV	10 & 11
	Futera II 1000	9	5901BOI or CCA09ADUV	10 & 11
	Futera III 1000	7	5701BOI or CCA07ADUV	10 & 11
	Futera II 1250 & 1500, Futera III 1750 & 1950	10	51001BOI or CCA10ADUV	10 & 11
	Futera II 1750 & 1950	12	51201BOI or CCA12ADUV	10 & 11
	Futera II, III, LCD, & Dominator Exhaust Term Adapters	6	9690RYPK	18
		8	9890RYPK	18
		9	9990RYPK	18
		10	91090RYPK	18
		12	91290RYPK	18

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Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Reznor	FT 30-65	4	9464	10
	BE & FE 25 -100	4	9464	10
	BE & FE 125 -250	5	9565	10
	BE & FE 300-400	6	9666	10
Rheem	Pronto! 4.2 / RTG-42	3	9301PAL	4
	PH28	4	9401RHM	8
	Pronto1 7.4 / RTG74	4	9401RHM	8
Rinnai	Continum	3	SC Vent Kit (HF), SC03AD01, SC03AD01E	19
Riverside Hydronics	Primera 400	6	5601BOI or CCA06ADUV	10 & 11
	Primera 750, 1000	8	5801BOI or CCA08ADUV	10 & 11
	Primera 1200,	10	51001BOI or CCA10ADUV	10 & 11
	Primera 1600, 2000	12	51201BOI or CCA12ADUV	10 & 11
Ruud	See Rheem			
Slant/Fin	Concept 21 Boiler (all models)	3	Factory Supplied (HF)	
	Prodigy 21 Boiler all models)	3	Factory Supplied (HF)	
	Victory Boiler (all models)	3	Factory Supplied (HF)	
	Victory II Boiler (all models)	3	Factory Supplied (HF)	
Smith Boiler	GV100W-3 thru GV100W-7	4	9401MES	8
	GS110-W-3, 4, and 5	3	9314SMI	5
	GS110-W-6, and 7	4	9414SMI	9
Snyder General Furnace	GUA or GDA Series 40, 60, 80	3	9301ICP	3
	GUA or GDA Series 100, 120	4	9401ICP	8
State Water Heater	Aurora Tankless	4	9401RYPK	18
Sta-Rite Industries	Max-E-Therm SR Pool and Spa Heater (SR200, SR333, SR400) (Kit 77707-0086 from Sta-Rite)	4	9401SRI	9
Sterling	TF 100 - 250	5	9565	10
	TF 300 - 400	6	9666	10
Stero Company	SIB140 Booster Heater	3	9363	10
	SIB235 & SIB290 Booster Heater	4	9464	10

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Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Takagi	Flash-T-K2	4	9464	10
	Flash-T-KD20*	4	9464	10
	Mobius T-M1*	4	9464	10
	T-K1S, T-K2, & T-K Jr.*	4	9464	10
	* When using, TK-TV03, Back Flow Preventer on these models	4	9401AMTK	3
Tappan	see Nordyne			
Teledyne Laars	see Laars Heating Systems			
Thermal Solutions	Evolution EVH-250	3	Factory Supplied (HF)	
	Evolution EVH-500 & -750	4	Factory Supplied (HF)	
	Evolution EVH-1000,-1500,-2000	6	Factory Supplied (HF)	
	Evolution (Conventional Vent)			
	EVH-250	5	Factory Supplied (HF)	
	EVH-500	6	Factory Supplied (HF)	
	EVH-750	7	Factory Supplied (HF)	
	EVH-1000	9	Factory Supplied (HF)	
	EVH-1500	10	Factory Supplied (HF)	
	EVH-2000	12	Factory Supplied (HF)	
Thermo-Dynamics	LMGD (all models)	4	9464	10
Trianco-Heatmaker	Heatmaker H, HP, & HW (all sizes)	3	9301THI	3
Triangle Tube	HM Series G Model 25 & 30	3	9301DEL	5
	Delta Performance (all models)	3	SC Vent Kit (Mfg.), EZ Vent Kit (Mfg.), or 9301DEL	5
Utica Boilers	DV & DVA -38 thru -125	3	9301UTI	3
	DV & DVA -150 thru -200	4	9401UTI	8
	DVB -50 thru -125	3	9301UTI	3
	DVB -150 thru -200	4	9401UTI	9
	USC Series Boiler (all sizes)	3	9301UTI	3
Vaillant	GA100PV & SC (all models)	3	9301VAIL	4
	GA92160PV	4	9401VAIL	9

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Manufacturer	Make & Model	Flue Collar Diameter	Adapter Part #	Page
Viessmann	Vitogas 050 ECV (all models)	3	9363	10
	Vitogas 100 GS10-72	8	5801BOI or CCA08ADUV	10 & 11
	Vitogas 100 GS10-84	9	5901BOI or CCA09ADUV	10 & 11
	Vitogas 100 GS10-96	10	51001BOI or CCA10ADUV	10 & 11
	Vitoden 200 WB2 6-24 & 8-32	3	9301VSMN	3
	Vitoden WB2 11-44 & 15 -60	4	9401VSMN	9
	Vertomat VSB-17, -22, -28	8	5801BOI or CCA08ADUV	10 & 11
	Vertomat VSB-37, -46, -57	10	51001BOI or CCA10ADUV	10 &11
	Vertomat VSB-72, -89	12	51201BOI or CCA12ADUV	10 & 11
WaiWela	PH28RIFS & PH28CIFS	4	9401RHM	9
Weben Jarco	Vision 3000 750	6	Factory Supplied (HF)	
	Vision 3000 1000	8	Factory Supplied (HF)	
	Vision 3000 1500 & 2000	10	Factory Supplied (HF)	
	E-Finiti E_020	3	5301BOI	10
	E-Finiti E_040, E_060	4	5401BOI	10
	E-Finiti E_075, E_100	6	5601BOI or CCA06ADUV	10 & 11
	E-Finiti E_125, E_150	8	5801BOI or CCA08ADUV	10 & 11
	E-Finiti E_175, E_200	10	51001BOI or CCA10ADUV	10 & 11
Weil-McLain	Gold Series 3 & 4 (all models)	3	93WMSTXL	6
	Gold Series 2 (all models)	3	93WMSTRT (straight) 93WMSTLH (horz.elbow) 93WMSTLV (vert. elbow)	6
	CGi / CGs / CGt (all models)	3	93WMCGIS	6
	VHE Series (all models)	3	93WMSTEE	6
	Ultra Series	3	9301CPVC	5
	Ultra Series	4	9401CPVC	7
Westinghouse	see Nordyne			
Williamson-Thermoflo	Gwi / GWs (all models)	3	93WMCGIS	5

Notes: