This installation manual will enable you to obtain a safe, efficient and dependable installation of your fireplace system. Please read and understand these instructions before beginning your installation.

Do not alter or modify the fireplace or its components under any circumstances. Any modification or alteration of the fireplace system, including but not limited to the fireplace, chimney components and accessories, may void the warranty, listings and approvals of this system and could result in an unsafe and potentially dangerous installation.

Security™ wood-burning fireplaces are designed for use as a supplemental heater. They are not intended for continuous use as a primary heat source.

**WARNINGS**

- Hot! Do not touch! The glass and surfaces of this appliance will be hot during operation and will retain heat for a while after shutting off the appliance. Severe burns may result.
- Carefully supervise children in the same room as appliance.
- If small children are present in the home, it is recommended that this appliance be fitted with an adjustable safety gate or barrier screen.
- The fireplace cannot be operated without a door or firescreen. Consult your dealer to select the correct replacement door or firescreen.
- The fireplace is equipped with a blower, electrical connection must be made prior to fireplace installation
- Important! To assure proper alignment of glass doors: Install this fireplace in a square and plumb condition, using shims as necessary at sides and/or bottom.
- Install the fireplace only as described in these instructions.

We recommend that our woodburning hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Woodburning Specialists or who are certified in Canada by Wood Energy Technical Training (WETT).
WARNING
To avoid the risk of damaging fireplace materials and increasing the risk of fire, do not use the fireplace to cook or warm food.

WARNING
Be careful adding wood fuel to the fire or handling fireplace tools such as shovels, tongs or pokers.

IMPORTANT
When burning wood, use SOLID NATURAL DRY WELL-SEASONED WOOD ONLY. Hardwoods are recommended (soft woods tend to burn very quickly).
- DO NOT burn treated wood, charcoal, coal, trash, cardboard, driftwood, woods dipped in tar, Christmas tree greens, pitch, pine tar, creosote, chemical chimney cleaners, flame colorants, polystyrene packaging, wood products with synthetic binders (i.e. plywood). Plywood, lumber and other misc. materials can produce abnormally high temperatures, sputtering and smoking fires and may contain hazardous chemicals to treat insects and fungus.
- Burning unapproved fuels can produce excessive temperatures, beyond the design capabilities of the fireplace and may produce excess sparks or may contain hazardous chemicals. Burning unapproved fuels can result in a chimney fire, a house fire, personal injury, death or loss of property.

WARNING
NEVER use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, naphtha, engine oil or similar liquids to start or “freshen up” a fire in this fireplace. Keep any flammable liquids a safe distance from the fireplace at all times.

WARNING
THE FIREPLACE MUST BE OPERATED WITH THE DOORS FULLY OPENED OR DOORS FULLY CLOSED. IF THE DOORS ARE LEFT PARTLY OPENED, GAS AND FLAME MAY BE DRAWN OUT OF THE FIREPLACE OPENING, CREATING RISKS OF BOTH FIRE AND SMOKE. IF THE UNIT IS OPERATED WITH THE DOORS FULLY OPENED, THE FIRE SCREEN MUST BE USED.

WARNING
NEVER leave children unattended when there is a fire burning in the fireplace.

WARNING
Never leave your fireplace unattended while it is burning.

IMPORTANT
The BIS™ Tradition fireplace must be installed with an outside air kit, which is included with fireplace.

WARNING
The bottom refractory can be cracked by excessive abuse such as tossing heavy logs onto the grate or gouging with fireplace tools. Exercise caution when adding wood to your fireplace.

WARNING
The fireplace must be operated with the doors fully opened or doors fully closed. If the doors are left partly opened, gas and flame may be drawn out of the fireplace opening, creating risks of both fire and smoke. If the unit is operated with the doors fully opened, the fire screen must be used.

WARNING
Neither the manufacturer nor the seller warrants “smoke free” operation nor are we responsible for inadequate system draft caused by mechanical systems, general construction conditions, inadequate chimney heights, adverse wind conditions and/or unusual environmental factors or conditions beyond our control.

WARNING
Always ensure that the air inlet to the fireplace is free from debris and any other obstructions that can block the entrance of air.
CONGRATULATIONS!

When you purchased your new fireplace, you joined the ranks of thousands of individuals whose answer to their home heating needs reflects their concern for aesthetics, efficiency and our environment. We extend our continued support to help you achieve the maximum benefit and enjoyment available from your new fireplace.

Thank you for selecting a Security Chimneys International fireplace as the answer to your home supplemental heating needs.

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THE FIREPLACE INTRODUCTION

The BIS™ Tradition wood-burning fireplace is an energy efficient, heat circulating, closed combustion fireplace. You will receive a lifetime of comfort and enjoyment from your fireplace provided it is installed, maintained and operated properly.

- Please read these instructions and retain this manual for future reference.
- Before beginning the fireplace installation, consult the local authorities to obtain your building permit and check your local building codes. Install the fireplace only as described in these instructions and using only Security Chimneys International components.
- This fireplace has been tested for CAN/ULC S610-M87 and ANSI/UL 127 under report number 304-7213. It has also been tested for EPA 40 CFR Part 60, section 60.332(b). Certificate number 609.
- The BIS Tradition fireplace is not intended for use with a gas log set. Do not use a fireplace insert or any other product with this fireplace unless it is specified by Security Chimneys International for use with this appliance. Failure to follow these instructions will void the certification and the warranty of the fireplace and may result in an unsafe installation.
- These appliances are designed to provide supplemental heat to the immediate area only. Therefore, it is advisable to have an alternate heat source when installed in a dwelling.
- These appliances are not approved for Manufactured Home installations.

PARTS REQUIRED

Fireplace model: BISTRAD
- 7” diameter chimney - Model Secure Temp S-2100+, Nova Temp HT6000+, Secure Temp GX (U.S. only) or ACBI manufactured by Security Chimneys International only, including:
  - Chimney lengths
  - Elbows (where necessary)
  - Associated components as per these installation instructions
- Decorative Doors - Required (Order Separately - See Page 21)
- Front Facade kit - Required (Order Separately - See Page 21)
- UZY7 Blower (included in the fireplace).
- VRUW Blower Speed Control (included)
- Outside air kit (Included w/Fireplace)

OPTIONAL EQUIPMENT

- AC Chimney Adaptor (required if using AC Chimney)
- AC Chimney Outside Air Kit
- Gravity Venting System
- Rigid Firescreen

Additional Equipment (optional)
- Forced Air Kit
- Gravity Venting System
- TUBINOX chimney (or PROJET SS), 7” diameter with adaptor for installation in a masonry chimney.

Not tested under EPA certification. If installed, this appliance no longer qualifies for EPA certification.

OPERATING THE BIS TRADITION FIREPLACE

Fuel - USE SOLID NATURAL WOOD FUEL ONLY. The BIS Tradition fireplace is designed to work best when fueled with dry seasoned natural wood only. Hardwoods are preferred to softwoods since the energy content of wood is relative to its density. Hardwoods will result in a longer burning fire and less frequent refueling. A moisture content of 15% to 20% (seasoned) is recommended. Wood that has been cut and split and let to dry under a cover for a period of one year will usually meet that criteria. The required drying time will vary depending on the climate. Wood that is packed tight together will take longer to dry. Seasoned wood is darker in color than wet wood and will have visible cracks in the grain on the ends. Excessively wet wood will be difficult to burn and will result in lower efficiency, increased creosoting and deposits on the glass and in the chimney. Excessively dry wood will burn well but will also have higher emissions and shorter burning time.

Do not burn scrap or garbage, treated wood or wood such as driftwood from the ocean which has been exposed to salt or other chemicals. Salt or chemicals can corrode the firebox and chimney. Do not burn large amounts of paper, cardboard, Christmas tree branches or building construction materials. Intense firing with these materials may overheat the fireplace, causing damage to the unit, a fire or even possibly igniting a chimney fire if the chimney is creosoted. Burning unapproved fuel, resulting in excessive pollutants being emitted, may be prohibited and subject to a fine or other penalty by the authority having jurisdiction in your area.

Processed firelogs can be used. Although, do not poke or stir the logs while they are burning. Use only firelogs that have been evaluated for the application of fireplace and refer to firelog warnings and caution markings on packaging prior to use.
HEAT OUTPUT
The BIS™ Tradition fireplace is the largest member of the Security Chimneys high efficiency fireplaces. The heat generated from its fire is more efficiently captured and distributed. In spite of the large amount of heat that the BIS Tradition fireplace can deliver, it should not replace the main source of heat in your home. This fireplace can deliver, it should not replace the main source of heat in your home. This fireplace will bring extra warmth and ambiance to your home by distributing its heat as described further in the manual.

COMBUSTION CONTROLS
Primary Air and Air Boost Controls
There is no flue damper in the BIS Tradition fireplace. As is common with air tight appliance, the combustion air control sets the flow of air entering the firebox. This allows for a more precise control of the fire. The combustion air control is located below the door on the left side. The main source of air (primary air) entering the firebox can be diminished by moving the air combustion control from left to right. The primary air is fully opened when the air control is completely moved to the left. This air combustion control should be in the closed position when the fireplace is not in operation. This will minimize air leakage up the chimney.

The combustion air control should be opened before opening the doors to minimize the possibility of back draft coming into the room (Figure 1-A). More details are available in Refueling For Best Performance on Page 5.

Time Delay Air Boost System
The time delayed air-boost system register is located underneath the door handles. Placed in the fully opened position, a timer with a maximum duration of 2 hours is engaged. The register gradually reduces the amount of air injected, allowing for a better start of the fire, whatever the conditions (See sections Building a Fire and Refueling For Best Performance for proper sequence of operation). This allows you to start the fire, set the primary air control to the desired burn level and the fireplace will automatically adjust itself to that level once the fire is fully established (Figure 1-B).

Accelerated Combustion
The maximum heat output for the BIS Tradition fireplace is achieved by burning with the door closed and the combustion air opened and pulled out. Through this method, the BIS Tradition fireplace can produce up to 80,000 BTU of heat per hour.

However, it will be necessary to reload with wood every one or two hours. This is the least efficient method of burning the BIS Tradition fireplace. Use caution when firing with the combustion air control wide open. Only burn cord wood in this manner. Small dry pieces of softwood and construction scraps will burn very intensely using this method and may damage the firebox.

Slow Combustion
When the air combustion control is completely closed, the fireplace is in a slow combustion phase. If the hearth is hot enough, slow combustion will not extinguish the fire, but there will be a noticeable change in the flame pattern. The flames will be slow and may appear dirty if the wood is too wet (moisture content of 20% and more).

Do not allow the wood to burn without flame, since this will produce excessive creosote in the unit. Creosote may accumulate on the glass door. This method of burning should be used only after operating the BIS Tradition fireplace with the air control opened to produce a hot fire for about an hour or at medium pace for at least three (3) hours. Slow combustion can be used at night in order to reduce the heat output and to prolong the burn. The loading time will be between 6-8 hours and at this combustion rate, the level of BTU's is at its lowest.
Building a Fire

A. To start a fire, place several crumpled up balls of newspaper in the firebox. Place small dry pieces of kindling on top of the paper, criss-crossing the kindling so that there are air spaces in between. The kindling should be placed at the center of the firebox so as to allow for sufficient air circulation.

B. Adjust the primary air control and start the time delayed air-boost system by pushing the register towards the right. Light the newspaper. Leave the doors partially opened to facilitate the start up.

C. Once kindling fire is well established, cord wood can be added. You may set the primary air control to the desire level (see Primary Air Combustion Control and Air Boost Controls section for proper operation of the air controls). The fireplace will automatically go to that level after the fire is fully established and the air boost is closed.

The unit will burn best with 2-3 pieces of cord wood spaced 1 to 2 inches apart and allowing air to get under the fuel. Criss-crossing or arranging the fuel so that air can get underneath will help the fire to get started easily. The unit should be operated with the air control fully open long enough to get the cord wood well ignited.

REFUELING FOR BEST PERFORMANCE

To reload the BIS™ Tradition fireplace at the end of a combustion cycle, when no flame is visible and there are only ashes left:

A. Completely open the air control level and the T.D.A.B. (Time Delay Air Boost) level. See Figure 1.

B. Open the doors about 1” and wait 5 seconds until the air flow has stabilized. Then open the doors completely, put the logs in and close the doors.

C. Set the air control to the desired burn level.

Notes:
- For spectacular fire and optimization of the fireplace efficiency, we recommend that wood load be placed as far back as possible.
- It may be necessary to turn off any blower(s) in operation during the refueling process in order to minimise smoking in the room. It is recommended to wait 15 to 30 minutes before turning the blower(s) back on to ensure successful rekindling.

SMOKING - CAUSES AND TROUBLESHOOTING

To reduce the likelihood of smoke coming into the room when opening the door, set the combustion air controls to the left (“Accelerated Combustion”) before opening the door. Your fireplace has been designed and tested to provide smoke free operation.

As the fire burns, air goes up the chimney. This air must be replaced through the outside air duct. When operating the BIS Tradition fireplace, open a nearby window temporarily to check if there is adequate replacement air supply. Occasionally, there may be a small amount of smoking upon lighting the fire, until the chimney heats up but this should not last. If the fireplace continues to smoke it is probably for one of the following reasons:

A. The doors are partially opened - When you open the doors, open them completely.

B. Negative pressure in the house - As the fire burns, air goes up the chimney. This air must be replaced through leakage into the house or through the outside air duct (optional). When operating the fireplace, open a nearby window temporarily to check if there is adequate replacement air supply.

C. Fans operating (e.g.: range hood) - These fans draw air out of the house and may actually cause a negative pressure in the house. Turn off all fans and open a nearby window to determine if this is the cause of the problem.

D. Wetwood - Wet or tarred wood will smoulder and smoke instead of burn properly. Your dealer can help you determine if you have properly seasoned wood for burning.

E. Dirty or blocked chimney - Check to make sure the chimney is clean and clear. If dirty call a certified chimney sweep or use a properly sized chimney brush to clean.

F. Chimney not long enough - The minimum chimney height is 12 feet not including the fireplace height. The chimney must extend at least three (3) feet (915 mm) above its point of contact with the roof and at least two (2) feet (610 mm) higher than any roof or wall within ten (10) feet (3m) of it. When installed with offsets, the minimum chimney height is 15 feet. Additional height will increase draft and will decrease the tendency to smoke.

G. Poor chimney draft

With no fire, there should be sufficient draft to exhaust cigarette smoke introduced under the baffle. Chimneys installed against an outside wall without protection may generate back draft problems which will cause start-up problems. To prevent this, open a nearby window; roll up a piece of paper, light it and hold it in the upper part of the firebox to warm up the chimney. Wait until the draft is sufficient, then start the fire.

H. Blower for forced air kit operating - Make sure that the blower is in the “off” position when you open the fireplace door for reloading.

IMPORTANT CAUTIONS

A. Do not block the hot air vents to the fireplace as this will cause the fireplace to overheat.

B. Never use gasoline, gasoline-type lantern fuel, kerosene, charcoal lighter fluid, or similar liquids to start or ‘freshen up’ a fire in this fireplace. Keep all such liquids well away from the fireplace while it is in use.

C. Do not burn coal. The sulphur in coal will corrode the firebox.

D. Do not burn driftwood which has been in the ocean or salt water. The salt will corrode the firebox and chimney.

E. Do not burn wood in the area in front of the grate.

F. Do not abuse the unit by burning paper, or cardboard or construction material such as pressed wood, plywood or lumber. Wood protectors, metallic paper, coal, plastic, waste, sulphur and/or oil will damage the fireplace.

G. Do not allow the wood to smoulder or burn without flame, since this will produce excessive creosote in the unit as well as increased particulate emissions.

MAINTAINING YOUR BIS TRADITION FIREPLACE

Creosote - Formation and Need for Removal

When wood is burned slowly, it produces tar and other organic vapors, which combine with expelled moisture to form creosote. The creosote vapors condense in the relatively cool chimney flue of a slow-burning fire. As a result, creosote residue accumulates on the flue lining. When ignited this creosote makes an extremely hot fire.

The chimney shall be inspected at least twice a year during the heating season to determine when a creosote buildup has occurred.

When creosote has accumulated it shall be removed to reduce the risk of a chimney fire. When the creosote accumulation is large, a creosote fire in the chimney can damage the chimney and overheat the surrounding wood framing. Creosote formation in a chimney can be minimized by making sure there is always visible flame burning, avoiding smouldering fires and by proper refuelling techniques.
Chimney Maintenance

Regular chimney inspection and maintenance combined with proper operation will prevent chimney fires. Keep your chimney clean. Do not allow more than 1/16" (1.6 mm) creosote build up in your chimney. The amount of creosote will depend on variables such as frequency of use and type of fire. We recommend that you:

A. Initially inspect the chimney system weekly. From this, you will learn how often it will be necessary to clean your chimney.

B. Have your chimney cleaned by a qualified chimney sweep. If you wish to clean it yourself, we recommend using a stiff plastic or non-metallic brush. If a metal brush is used, its size should be slightly smaller than the flue to avoid damaging the chimney. Do not use a brush that will scratch the stainless steel interior of the chimney.

C. Do not expect chemical cleaners to keep your chimney clean. The rain cap can be removed for inspection and/or cleaning of the chimney.

Caution: It is necessary to remove the deflector from the top of the firebox before cleaning the chimney.

Dealing With a Chimney Fire

Regular chimney maintenance and inspection can prevent chimney fires. If you have a chimney fire, follow these steps:

1. IMPORTANT: Close the fireplace door and the combustion air controls; this will stifle the fire.

2. Alert your family of the possible danger.

3. If you require assistance, alert your fire department.

4. If possible, use a dry chemical fire extinguisher, baking soda or sand to control the fire. Do not use water as it may cause a hazardous steam explosion.

5. Ensure that sparks and hot embers coming out of the chimney are not igniting the roof.

6. Do not use the fireplace again until your chimney and fireplace have been inspected by a qualified chimney sweep or a fire department inspector.

Door Frame Finish Care

Use a glass cleaner and a soft cloth to polish the casing. Do not use abrasives such as steel wool, steel pads or an abrasive polish for they may scratch the frame’s finish.

DISPOSING OF ASHES

Note: For better performances, we recommend leaving 1/2 inch of ashes in the firebox.

Remove ashes only when the fire is out and the ashes are cold (24 to 48 hours after the fire is out).

Do not leave the ashes in the house as they give off carbon monoxide and other toxic gases.

Disposal of Ashes: Ashes should be placed in a metal container with a tight fitting lid. The closed container of ashes should be placed on a non-combustible floor or on the ground well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled.

REFRACTORY REPLACEMENT

The intense heat of the fire will normally cause hairline cracks in the refractory brick. These cracks can be minimized by proper curing as described in section First Fires. They will not normally diminish the effectiveness of the refractory brick. If large cracks develop, then the refractory should be replaced. To replace the refractory bricks, follow these steps:

1. Remove the side refractory bricks (6)
2. Remove the front refractory bricks (3)
3. Remove the bottom refractory brick (4)
4. Remove the left side refractory bricks (5)
5. Remove the right side refractory bricks (2)
6. Remove the back refractory brick (1)
7. Remove the deflectors (7) above the tubes (Can be removed without removing other bricks for chimney cleaning)

To install the new refractory bricks, follow the above steps in reverse.

DOOR INSTALLATION

The doors must be put in place only when the installation of the BIS™ Tradition fireplace is completed. All you have to do is fit the male part of the hinge, already on the door, to the female part, which is on the fireplace. To remove the doors, simply pull them up from the hinges. The door adjustment has been set at the factory. If the fit is still not perfect, you can adjust the door using the hinge screws (See Figure 7-1).

DOOR ADJUSTMENT

The doors may need to be adjusted to be completely airtight. The gaskets’ air-tightness can be adjusted using the adjustment screw located on the right side of the fireplace facade (An Allen key #1/8 – not supplied will be necessary for this adjustment) (see Figure 7-2).

Checking Door Seal

A one-inch strip of paper may be used to perform a test of the integrity of the door seal. Close the door on the paper in at least eight points. It is normal to feel only a slight amount of friction. The door gasket does not need to be “tight” in all areas, since a small amount of leakage is not hazardous or detrimental to the performance of your fireplace.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.
WARNINGS

• Use only a Security Chimneys International glass doors, specifically designed for the BIS™ Tradition fireplace.
• The fireplace cannot be operated without door or firescreen. Consult your dealer to select the correct replacement door or firescreen.
• Important! To assure proper alignment of glass doors: Install this fireplace in a square and plumb condition, using shims as necessary at sides and/or bottom.

DO NOT USE CHEMICAL GLASS CLEANERS ON PAINTED SURFACES AS IT MAY CAUSE THE PAINT TO PEEL.

CAUTION : DO NOT ALLOW WINDOW CLEANER TO GET IN CONTACT WITH DOOR GASKET OR PAINT ON FACADE OR DOOR. ONCE CLOSED, CONTACT OF GLASS CLEANER WITH THE FIREPLACE FACADE CAN PROVOKE PAINT PEELING OFF.

Gasket Replacement

Remove the doors from the unit (see section Door Installation) and lay them on a clean nonabrasive surface. To replace the gasket, first remove all of the old gasket and gasket cement. Make sure that the surface is totally clean before applying new cement (a high temperature silicone caulk, rated at 500°F (260°C), is suitable) or adhesion problems may result. Apply gasket cement to the gasket channel and install the new gasket. This replacement part is available from your Security Chimneys International Dealer in the following dimensions:

<table>
<thead>
<tr>
<th>Gasket</th>
<th>Part #</th>
<th>Length</th>
<th>Qty</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Around the glass</td>
<td>PR-SR1685C</td>
<td>61-3/4&quot;(1569 mm)</td>
<td>2</td>
<td>1&quot; width x 3/16&quot; thick (26 mm x 5 mm)</td>
</tr>
<tr>
<td>On the door frame</td>
<td>PR-SR1823I</td>
<td>48-3/8&quot;(1229 mm)</td>
<td>2</td>
<td>3/4&quot; diameter (19 mm)</td>
</tr>
<tr>
<td>Between the doors</td>
<td>PR-SR1823J</td>
<td>17-5/8&quot;(448 mm)</td>
<td>2</td>
<td>5/8&quot; diameter (16 mm)</td>
</tr>
</tbody>
</table>

Table 1

GLASS CARE

Glass Replacement

The glass used for the BIS Tradition fireplace is a high temperature ceramic glass (1,400°F). If the glass breaks or cracks, it must be replaced with an identical ceramic glass. Tempered glass or ordinary glass will not withstand the high temperatures of the BIS Tradition fireplace. Replacement glass should be purchased from a Security Chimneys International dealer (see “Replacement Parts” on Page 23).

DO NOT OPERATE THE UNIT WITH CRACKED OR BROKEN GLASS.

Glass Cleaning

The BIS Tradition fireplace is designed to keep the glass clean under normal operating conditions. If the BIS Tradition fireplace is operated continuously with the combustion air controls closed, the glass will tend to get dirty unless the fuel, firebox and glass are maintained at hot temperatures (see section Refueling For Best Performance). To clean the glass, there are a number of specially designed cleaners to remove creosote. Your Security Chimneys Dealer can recommend a suitable cleaner. Regular household glass cleaners will not clean creosote. Do not use abrasives such as steel pads, steel wool or oven cleaner as they will scratch the glass.

FIREPLACE INSTALLATION

Locating The BIS Tradition Fireplace

The best location to install your fireplace is determined by considering the location of windows, doors, and the traffic flow in the room where the fireplace is located, allowing space in front of the unit for the hearth extension and the mantel, and taking into consideration the location of the hot air ducts (optional), outside air kit and chimney. If possible, you should choose a location where the chimney will pass through the house without cutting floor or roof joists (see fireplace dimensions on Pages 9 and 10).

Usually, no additional floor support is needed for the fireplace. The adequacy of the floor can be checked by first estimating the weight of the fireplace system. Weights are given in the appendix. Next, measure the area occupied by the fireplace. Note the floor construction and consult your local building code to determine if additional support is needed.

The BIS Tradition fireplace may be installed directly on the floor or on a raised base and a minimum of 80" measured from the base of the appliance to the ceiling is required.
When selecting the location, the chimney outlet position and the direction of the wind are important factors affecting the chimney performance. To allow a maximum draft and to reduce wind turbulence, the chimney must:

- Penetrate the highest part of the roof.
- Be installed as far as possible from roof offsets, trees, or any other obstructions that may cause wind turbulence and back drafts in the chimney.
- The least amount of offsets (elbows) possible.

Figure 8

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.
Facade Installation
Install the Facade per instructions provided in Facade Kit (ordered separately - see Page 21).

Framing, Facing And Mantel
The construction of the framing, facing, and mantel must be in accordance with the standards and the following illustrations (Figures 10 and 11).

A. Frame the fireplace using 2" x 3" or heavier lumber.

B. WARNING: Combustible materials cannot be used in the space directly above the fireplace, except for the studs above the facade that support the facing and mantel. This area must remain empty for a height of 80” (2,032 mm) measured from the base of the appliance.

C. Frame the fireplace with vertical studs at the sides of the fireplace running from floor to ceiling (see Figure 10). If combustible facing is to be used, position the studs back, from the front edge of the fireplace (a space that is the thickness of the facing material, so that the facing can be installed flush with the fireplace facing). Frame headers between the vertical studs only as follows:

- Place 2" x 3" or 2" x 4" headers, only along the upper part of the front, side and back faces (some codes may require a 2" x 6" on an outside bearing wall). Do not put wood or any combustible material within the area above the fireplace except on the front facing.
- Place headers only as required to support the facing and mantel.

D. WARNING: The fireplace must not be in contact with any insulation or loose filling material. Cover the insulation with Drywall panels around the fireplace.

Hearth Extension Requirements
The BIS™ Tradition fireplace may be installed directly on a combustible floor. The supplied safety metal strip must be positioned as follows: One half under the front of the fireplace and the other half must extend on the floor over which the hearth extension will be built (see Figure 9a).

* The safety metal strip must cover the entire width of the fireplace

The combustible floor in front of the fireplace must be covered with a non-combustible material (tile, marble, stone, etc). See Figure 9b.

COLD CLIMATE INSTALLATIONS
Climates where temperatures will fall below 32° F (0° C).

The heating performance of the appliance will vary depending upon the level of insulation, house design, how the appliance is operated, etc.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.
FRAMING DIMENSIONS
Fireplace Opening Width

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>A</td>
<td>46-1/4&quot;</td>
<td>1175 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>49-3/8&quot;</td>
<td>1254 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>42-3/4&quot;</td>
<td>1086 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>20-7/8&quot;</td>
<td>530 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>93-7/8&quot;</td>
<td>2384 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>47&quot;</td>
<td>1194 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>27-3/4&quot;</td>
<td>705 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>H</td>
<td>26-3/4&quot;</td>
<td>680 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>J</td>
<td>66-3/8&quot;</td>
<td>1686 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>K</td>
<td>8&quot;</td>
<td>203 mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>L</td>
<td>1&quot;</td>
<td>25 mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Notes

- Diagrams, illustrations, and photographs are not to scale—consult installation instructions. Product designs, materials, dimensions, specifications, colors, and prices are subject to change or discontinuance without notice.

- All framing dimensions calculated for 1/2" drywall at the fireplace face. If sheathing the chase or finishing with other thickness materials, calculations will need to be made.

- The fireplace must not be in contact with any insulation or loose filling material. Cover the insulation with Drywall panels around the fireplace.

- Total depth is 25 inches including the back spacer minus 1/2 inch for drywall to be flush with the facing.

FACING

1. Combustible material must be installed flush with the fireplace. It may not project in front of and on the fireplace (i.e. the steel facade of the fireplace) (Figure 14).

2. Non-combustible materials such as brick, stone, or ceramic tile may project in front of and onto the fireplace facing (Figure 12).

* The front framing width (A= 46-1/4") will need to be 47" before pushing the fireplace into framing.
Nailing Flanges

Four nailing flanges are provided to secure the fireplace to the floor (see figure below). Bend the nailing flanges down so that each flange is flush with the floor, then using nails or screws, secure the fireplace to the floor (2 places each side). The heads of the screws or nails must be large enough to completely cover the holes in the nailing flanges.

MANTEL and FACING

The mantel must be installed at least 56" (1143 mm) above the base of the fireplace (Figure 13).

Fireplace Frame Section (Top View)

1. Fireplace
2. Front of fireplace
3. Wood frame (2" x 3" min)
4. Drywall
5. Tiles
6. Rock board or other
7. Brick

Mantel and Facing (Side View)

Only non-combustible material should be superposed or projecting over the front of the fireplace.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.
Fireplace Blower

The fireplace comes equipped with a heat activated blower. It is located in the bottom of the fireplace, towards the back. It uses 120 V and must be connected to the main electrical circuit by a qualified electrician. For connection, use the electrical box supplied with the unit located on the bottom right corner of the fireplace.

If you wish to adjust the blower speed, the variable speed control (VRUW) provided must be installed in line with the wiring. Again, use a qualified electrician for installation.

If the blower requires servicing,
1- Remove the doors and decorative facade.
2- Remove the screw located below the blower motor that holds it to the back of fireplace.
3- Pull the blower out of the unit through the square hole located in the front bottom right corner.

HOT AIR DUCTING INSTALLATION

The BIS™ Tradition fireplace is approved for use with a Gravity Kit:

Gravity Kit

The gravity kit is designed for double hot air outlets and includes:
(See Figure 15)
- 2 telescopic lengths 8” I.D.
- 2 90° elbows 8” I.D.
- 2 hot air outlet kits (grill and frames)
- 2 adaptors

See Gravity Kit Accessories on Page 21.

Only the blower available with the fireplace can be used with the gravity kit. For safe installation, the gravity kit must meet the following requirements:
Minimum height* 68” (1,727 mm)
Maximum length See Figure 16

* The height of the louver must be measured from the base of the BIS Tradition fireplace to the middle point of the louver.

When installing the double outlet system, the hot air outlets can be installed in the same room as the fireplace, or one or both of the outlets can be installed in adjacent or upper rooms. Installing the ducts at different elevations will tend to exhaust more heat out of the higher outlet (Figure 16).

WARNING: The outlet grills should not be installed facing upward through a floor. Danger of burns can result if grills in floor are stepped on.

WARNING: Both pipes of the double hot air outlet must be installed. Any other installation may cause fire and void warranty.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.
The duct system must be installed respecting the following:

1. Remove the plates closing up the 8” diameter holes on top of the fireplace. Then, cut the insulation in order to obtain two 8” dia. openings. Fix the adaptors on the fireplace openings by turning clockwise (Figure 15).

2. Maintain at least a 2” (50 mm) clearance between the ducts and any combustible material; the required hole size is 13” x 13” (330 mm x 330 mm).

*Exception #1: For the grills, the framing can be 10-3/4” x 10-3/4” (275 mm x 275 mm) to provide the clearance as required by the integral spacers on the double outlet duct system.*

3. The maximum number of elbows in a run of duct is two.

4. Maintain at least 6-1/2” (160 mm) clearance from the outlet grill framing to a combustible ceiling, side wall or mantel.

5. When traversing a combustible wall or floor, a firestop must be installed at the wall or floor penetration. The hole size must be 13” x 13” (330 mm x 330 mm).

6. Do not connect the hot air ducts to a central heating system. Malfunction of the heating system’s blower will cause the fireplace to overheat. A furnace duct is only single wall and not double wall as is required for the BIS™ Tradition fireplace hot air exhaust.

7. Use only Security Chimneys International grills and components as described in this manual. Other grills or registers may be too restrictive and may overheat the fireplace or ceiling.

8. Do not use insulated flexible ducts as they will overheat.

9. Do not use tees or any other components than the ones specifically listed here.

10. Never allow the ducting to pitch down as hot air will be trapped creating a fire hazard. Never route the ducting downwards.

11. The hot air outlet grills must be installed with the louvers pointing downwards in order to prevent overheating adjacent ceilings.

**OUTSIDE AIR KIT**

It is mandatory to install an outside air connection to the BIS Tradition fireplace. The following components are required and are included with the fireplace:

- Outside air kit (includes 4 inch flex that goes up to ten (10) feet long)
- 4” Adaptor for fireplace connection

**Outside Air Installation**

The outside air assembly may be installed according to the following requirements:

A) Duct length should be kept to a minimum. The maximum length of a 4” interior diameter (100 mm) insulated flexible duct is 20 feet (6.1 m). The duct can be extended to a maximum of 40 feet (12 m) using a 6” interior diameter (150 mm) insulated flexible duct (See note below).

B) The air intake register must not be installed more than ten (10) feet (3050 mm) above the base of the fireplace.

C) The fresh air must come from outside the house. The air intake must not draw air from the attic, basement or garage.

D) The air intake should be installed where it is not likely to be blocked by snow or exposed to extreme wind and away from automobile exhaust fumes, gas meters and other vents.

E) The duct and register may be installed above or below floor level.

Make a 4-1/4” (110 mm) hole in the outside wall of the house at the chosen location. From outside, place the outside air register in the hole (open side down) and fasten the register to the wall with screws as shown (see Figure 18). Slip the pipe into the insulated sleeve. Place the insulated pipe over the register tube and over the fireplace’s outside air connector (see Figure 19). At each end, carefully pull back the insulation and plastic cover exposing the flexible pipe. Using the aluminium tape provided, wrap the tape around the joint between the flexible pipe and the air inlets. Carefully push the insulation and plastic cover back over the pipe. Using aluminium tape, fasten the plastic cover in place.

**NOTE:** We recommend not to exceed 20 feet of 4” flexible pipe. If you require a longer length we recommend that you use a 5” diameter flexible pipe for the complete run up to 30 feet and a 6” diameter pipe for a run of up to 40 feet.
THE CHIMNEY SYSTEM

Chimney Installation Notes

1. If possible, install an interior chimney as it will provide better performance. In areas with continuous temperatures below 0°F (-18°C), the use of an exterior chimney increases the likelihood of operating problems such as low draft, high rate of creosoting, and poor start-up characteristics. Exterior chimneys are also prone to down-drafting and flow reversal. Installations which are located on lower floors in the house, such as in a basement, in combination with an outside chimney, are especially prone to flow reversal.

2. The fireplace model BISTRAD may be installed only with Security Chimneys International Ltd 7” diameter chimney systems model Secure Temp™ S2100+ / Nova Temp™ HT6000 / Secure Temp GX (U.S. only) or ACBI.

3. A chimney venting a fireplace shall not vent any other appliance.

4. The minimum chimney height is 12 feet (3.7 m) excluding the fireplace.

5. All chimney installations must include at least one support in order to be able to take any lateral load. The maximum chimney length that can be supported by the fireplace is nine (9) feet (2.75 m) for Secure Temp S2100+ / Nova Temp HT6000+ / Secure Temp GX and 26 feet (8m) for ACBI chimney. In altitude, add 18” (450 mm) to the chimney for every 2,000 feet (600 m) above sea level.

6. The chimney must extend at least three (3) feet (915 mm) above its point of contact with the roof and at least two (2) feet (610 mm) higher than any wall, roof or building within ten (10) feet (3 m) of it (Figure 20).

7. If the chimney extends higher than five (5) feet (1,500 mm) above its point of contact with the roof, it must be secured using a roof brace.

8. A rain cap must be installed on top of the chimney. Failure to install a rain cap may cause corrosion problems.

9. Cut and frame square holes in all floors, ceilings, and roof that the chimney will go through (see Figure 21). Use a plumb-bob to line up the center of the holes. The sizes are indicated in Table 2 for the floor and ceiling holes and Table 3 (Page 16) for the roof holes.

10. Portions of the chimney which may extend through accessible spaces must be enclosed to avoid contact with combustible materials or damage to the chimney.

11. When offsets are used, the pipe may not penetrate a ceiling or floor unless it is running vertical (no 30° offsets).

CHIMNEY INSTALLATION INSTRUCTIONS

1. Cut and frame the holes in the ceiling, floor and roof where the chimney will pass (see Figure 21). Use a plumb-bob to line up the center of the holes. The sizes are indicated in Table 2 for the floor and ceiling holes and Table 3 (Page 16) for the roof holes.

<table>
<thead>
<tr>
<th>CHIMNEY MODEL</th>
<th>SQUARE HOLE SIZE OPENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secure Temp™ S2100+ / Nova Temp™ HT6000+ / Secure Temp GX</td>
<td>15 in (380 mm)</td>
</tr>
<tr>
<td>ACBI: Ceiling, Floor and Roof (1” clearance *)</td>
<td>15 in (380 mm)</td>
</tr>
<tr>
<td>Wall</td>
<td>17 in (432 mm)</td>
</tr>
</tbody>
</table>

* The following exception has been approved for this appliance: The required 2” pipe clearance may be reduced to a 1” clearance at the ceiling, floor and roof penetration points for AC chimney only. All other locations require 2” clearance.

Blown or fill type insulation materials must not be in contact with the fireplace or in the enclosure frame as described in “Enclosure” section.

Local codes may not require firestopping at the ceiling levels for outside chase installations. However, it is recommended for safety and the reduction of heat loss.
2. From below, install a firestop in each ceiling/floor separation through which the chimney will pass. At the attic level, install an attic radiation shield from above (Figures 22a and 22b).

3. For Secure Temp S2100+ / Nova Temp HT6000+ / Secure Temp GX chimneys, place the first chimney length on the fireplace. To lock it in place, turn 1/4 of a turn clockwise. With the ACBI chimney, you must use a starter section before installing the first chimney length (Figure 23). Continue installing chimney lengths making sure to lock each length in place.

4. Every time the chimney passes through a ceiling or a wall, install the appropriate firestop. When you reach the desired height, install the roof support (Refer to instructions included with the support). For an ACBI chimney use an universal support AC10SU.

5. Put the roof flashing in place and seal the joint between the roof and the flashing with roofing pitch (see Figures 24 and 25). For sloping roofs, place the flashing under the upper shingles and on top of the lower shingles. Nail the flashing to the roof, using roofing nails.

6. Place the storm collar over the flashing, and tighten it with the bolt supplied. Finally, seal the joint between the storm collar and the chimney, using silicone caulking.

7. Install the chimney cap. Once the chimney cap is in place, the roof flashing can be washed with a solvent or vinegar and then painted with rust-proof paint.
After reaching the location requiring the elbow, proceed as follows:

**Secure Temp S2100+ / Nova Temp HT6000+ / Secure Temp GX Chimneys**

1. Install the first elbow; turn it in the required direction. Fasten it to the chimney with the three (3) 1/2” (12 mm) metal screws provided with the elbow.
2. Install the necessary chimney lengths to achieve the required offset. Lock the chimney lengths together: it is recommended to use three (3) 1/2” (12 mm) screws. If the offset length is made of two (2) chimney lengths or more, use an offset support halfway up the offset. If penetrating a wall, install a wall radiation shield (see Figures 27 and 28).
3. Use another elbow to turn the chimney vertically. Secure the elbow, using three (3) 1/2” (12 mm) screws (provided with the elbow).
4. Use a plumb-bob to line up the center of the hole. Cut a hole for the chimney in the ceiling/floor. Frame this hole as described previously (refer to Chimney Installation Instructions on Page 15).
5. From below, install a firestop (see Figure 22a).
6. A support (XST+ or XSO+) must be used on the first 15’ section (5 m).
7. Continue with the regular installation.

**ACBI Chimney**

1. Install the first elbow. Turn it in the required direction. To lock it in place, turn 1/8 of a turn. Fasten the straps attached to the elbow to the surrounding frame, using nails or drywall screws (Figure 27).
2. Install the necessary chimney lengths to achieve the required offset. Lock the chimney lengths together. If penetrating a wall, use a wall radiation shield.
3. Use another elbow to turn the chimney vertically. Lock it to the chimney. Fasten the straps attached to the elbow to the surrounding framing using nails or drywall screws.
4. Use a plumb-bob to line up the center of the hole. Cut a hole for the chimney in the ceiling. Frame this hole as described previously.
5. From below, install a firestop (see Figure 22b).
6. Continue with the regular installation.

**Notes:**
- Must return to vertical before penetrating ceiling or floor.
- A maximum of 2 offsets are allowed.

---

### Roof Down Slope Hole Size

<table>
<thead>
<tr>
<th>DEGREE OF SLOPE</th>
<th>Secure Temp™ S2100+ Nova Temp™ HT6000+ Secure Temp GX</th>
<th>ACBI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roof Pitch</td>
<td>7”</td>
<td>7”</td>
</tr>
<tr>
<td>0 °</td>
<td>15” (380 mm)</td>
<td>15” (380 mm)</td>
</tr>
<tr>
<td>2/12</td>
<td>15-3/8” (390 mm)</td>
<td>15-3/8” (390 mm)</td>
</tr>
<tr>
<td>4/12</td>
<td>16-1/8” (410 mm)</td>
<td>16-1/8” (410 mm)</td>
</tr>
<tr>
<td>6/12</td>
<td>16-7/8” (430 mm)</td>
<td>16-7/8” (430 mm)</td>
</tr>
<tr>
<td>8/12</td>
<td>18-1/4” (465 mm)</td>
<td>18-1/4” (465 mm)</td>
</tr>
<tr>
<td>10/12</td>
<td>19-5/8” (500 mm)</td>
<td>19-5/8” (500 mm)</td>
</tr>
<tr>
<td>12/12</td>
<td>21-3/8” (545 mm)</td>
<td>21-3/8” (545 mm)</td>
</tr>
</tbody>
</table>

* Cross Slope Hole Size

Put the chimney cap into place.
Wash the roof flashing with a solvent or vinegar, then paint it with rust-proof paint.

### OFFSET CHIMNEY INSTALLATION

After reaching the location requiring the elbow, proceed as follows. The minimum chimney height when using elbows is:

<table>
<thead>
<tr>
<th>Minimum Chimney Height When Using Elbows</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fireplace Model</strong></td>
</tr>
<tr>
<td>Chimney Model</td>
</tr>
<tr>
<td>Vertical Installation</td>
</tr>
<tr>
<td>Two (2) Elbows</td>
</tr>
<tr>
<td>Four (4) Elbows</td>
</tr>
</tbody>
</table>

Table 4

---

**NOTE:** DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.
<table>
<thead>
<tr>
<th>Chimney</th>
<th>Elbow</th>
<th>Offset &amp; Height</th>
<th>One Length Between Elbows</th>
<th>Two Lengths Between Elbows</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>8&quot;</td>
<td>12&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td><strong>GX</strong></td>
<td><strong>S2100</strong>+</td>
<td>7º</td>
<td>A</td>
<td>3&quot; (76 mm)</td>
</tr>
<tr>
<td></td>
<td><strong>HT6000</strong>+</td>
<td>7º</td>
<td>B</td>
<td>20-3/4&quot; (527 mm)</td>
</tr>
<tr>
<td></td>
<td><strong>ACBI</strong> 7º</td>
<td>30º</td>
<td>A</td>
<td>7-1/2&quot; (191 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30º</td>
<td>B</td>
<td>16-1/2&quot; (419 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>45º Canada Only</td>
<td>A</td>
<td>10&quot; (254 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>B</td>
<td>17-3/16&quot; (446 mm)</td>
</tr>
</tbody>
</table>

Note: With the ACBI chimney, a starting length of 6" high must be used on top of the fireplace before installing an elbow.

Figure 26
OFFSET CHIMNEY INSTALLATION

Note: This illustration is not to scale. It represents how the chimney must be supported. A 30 degree offset only is allowed in the USA and a 45 degree maximum offset is allowed in Canada.

OFFSET CHIMNEY INSTALLATION WITH WALL PENETRATION

Note: In cold areas it is recommended to protect the chimney in a insulated chase.
ANGLED WALL RADIATION SHIELD
(XRSMI30 and AC10RSMI30)

When traversing a combustible wall with the chimney at a 30º or 45º angle, an angled firestop or wall radiation shield must be installed. Only one is required.

Note: 45º angle for Canada only (XRSMI45).

In cold climate locations (climates where temperatures will fall below 32º F / 0º C), we recommend that you use the insulated wall radiation shield since it will maintain the home’s thermal barrier.

In cold climate locations (climates where temperatures will fall below 32º F / 0º C), we recommend that you use the insulated wall radiation shield since it will maintain the home’s thermal barrier.

<table>
<thead>
<tr>
<th>Chimney Model (7” dia.)</th>
<th>Angle</th>
<th>Hole Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Secure Temp S2100+ Nova Temp HT6000+</td>
<td>30º</td>
<td>15” x 38-1/4” (380 mm x 972 mm)</td>
</tr>
<tr>
<td>Secure Temp S2100+ Nova Temp HT6000+</td>
<td>45º Canada only</td>
<td>15” x 25-7/8” (380 mm x 657 mm)</td>
</tr>
<tr>
<td>ACBI</td>
<td>30º</td>
<td>17 x 42-1/2” (432 mm x 1080 mm)</td>
</tr>
</tbody>
</table>

Table 5

For roof support installation, refer to the instructions provided with the support.

Universal Offset Support

This support is used to support the chimney above an offset. When the chimney offset is used to traverse a wall this support may be used on the wall to support the chimney. The maximum heights are given in Table 6. For offset support installation, refer to the instructions provided with the support.

<table>
<thead>
<tr>
<th>CHIMNEY</th>
<th>MAXIMUM HEIGHT OF SUPPORTED CHIMNEY</th>
</tr>
</thead>
<tbody>
<tr>
<td>7” Diameter</td>
<td>Offset Support</td>
</tr>
<tr>
<td>Secure Temp S2100+ Nova Temp HT6000+ Secure Temp GX</td>
<td>16 feet (5.49 m)</td>
</tr>
<tr>
<td>ACBI</td>
<td>40 feet (12.19 m)</td>
</tr>
</tbody>
</table>

Table 6

CHIMNEY CHASE AND MULTIPLE TERMINATIONS

For the purpose of this manual, a chimney chase is considered a part of the chimney system rather than part of a building. The termination must be placed a minimum of 18” (460 mm) above the chase.

For installations where more than one chimney is located in the same chase or within the same area, we suggest that their terminations be separated by at least 16” (410 mm) horizontally, and 18” (460 mm) vertically. This separation is to prevent smoke migrating from one chimney to another (see Figure 30).

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.
INSTALLATION INSTRUCTIONS FOR MASONRY APPLICATION

WARNING: Before starting the installation, the masonry chimney must be inspected by a qualified chimney sweep.

The following requirements must be respected:
1. The chimney must be absolutely clear of any soot residue or creosote. Check for cracks, loose or missing bricks that could inhibit correct installation of the liner.
2. The clearance to combustible must be a minimum of 1" between the outside of the masonry and any wood framing or loose insulation.
3. The chimney must be built in accordance with the current building code.
4. No other appliance can be connected to the same chimney.
5. The clearances to combustible for the BISTMA30 connectors are 2" on the side and bottom and 16" at the top.
6. The connector parts are not necessary if the connection between the insulated length and the stainless steel liner is done within the masonry chimney.

Installation:

The chimney must be relined with a stainless steel liner model TUBINOX or Projet SS of the same diameter as the outlet of the fireplace.

For connection at 30° angle, a special connector (BISTMA30) must be used to connect the liner to the insulated chimney.

* IMPORTANT NOTE - The use of a 45° connector (BISTMA) is approved for use in Canada ONLY. Installations in the USA must use the 30° connector (BISTMA30).

Follow these steps:

1. Position the fireplace in its location. Temporarily install the S2100+ elbow on the top of the fireplace and, using a level, mark with an oval where the flue liner will enter the masonry chimney.
2. In the middle of the oval, drill a hole in the masonry chimney at 30°.
3. Increase the size of the hole until a 30° TUBINOX liner elbow can be easily slipped through.
4. Slide the liner down from the top of the masonry chimney until you reach the hole level.
5. Slip through the hole a 30° liner elbow and connect it to the liner.
6. Add a small liner section to the liner elbow which will allow the liner to extend at least 12" (measured at the top of the liner) from the masonry chimney.
7. Seal the opening around the liner with high temperature refractory cement.
8. The next steps must be done in the following order:

See typical installation illustrated below.

A. Select the S2100+ length that will fit between the elbow and the liner so that it will slide at least 2" over the liner section (You may need to cut the liner for a better fit).
B. Take that section and the BISTMA30 cover and slide it over the liner. Make sure you have enough opening to be able to install the S2100+ elbow without difficulty.
C. Install the 30° elbow on the fireplace.
D. Slide the length section back down on the elbow and twist lock the two together.
E. Pull the cover down over the length and install the insulation pad over the liner; be careful to cover the liner completely.
F. Slide back the cover over the insulation and fix it in place using the 3 metal screws supplied.

NOTE: DIAGRAMS & ILLUSTRATIONS ARE NOT TO SCALE.
### OPTIONAL INSTALLATION ACCESSORIES

#### Installation Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat./Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Facades (Required - Order Separately)</strong></td>
<td></td>
</tr>
<tr>
<td>BIS™ Tradition Facade Black, BTFBK</td>
<td>BTFBK</td>
</tr>
<tr>
<td>BIS Tradition Facade Gold Plated, BTFG</td>
<td>BTFG</td>
</tr>
<tr>
<td>BIS Tradition Facade Brushed Nickel, BTFBN</td>
<td>BTFBN</td>
</tr>
<tr>
<td>BIS Tradition Facade Hammered Steel, BTFCMC</td>
<td>BTFCMC</td>
</tr>
<tr>
<td><strong>Doors - (Required - Order Separately)</strong></td>
<td></td>
</tr>
<tr>
<td>BIS Tradition Doors Black, BTCBK</td>
<td>BTCBK</td>
</tr>
<tr>
<td>BIS Tradition Doors Gold Plated, BTCG</td>
<td>BTCG</td>
</tr>
<tr>
<td>BIS Tradition Doors Brushed Nickel, BTCBN</td>
<td>BTCBN</td>
</tr>
<tr>
<td>BIS Tradition Doors Hammered Steel, BTFCMC</td>
<td>BTFCMC</td>
</tr>
<tr>
<td><strong>Outside Air Kit (included with fireplace)</strong></td>
<td></td>
</tr>
<tr>
<td>Outside Air Coupler To Connect Outside Air (UZI) To Fireplace, UZIAD</td>
<td>UZIAD</td>
</tr>
<tr>
<td>Outside Air Ducting - includes 4” insulated flex x 10’ long, UZI</td>
<td>UZI</td>
</tr>
<tr>
<td><strong>Gravity Kit</strong></td>
<td></td>
</tr>
<tr>
<td>Gravity kit: Complete double duct system includes: 2 elbows 90°, 2 telescopic lengths, 2 grill supports and 2 black grills, 2 fireplace adaptors.</td>
<td>7B30ZK-1</td>
</tr>
</tbody>
</table>

#### Gravity Kit Accessories

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat./Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black Grill With Support (set of 2) , 7B30ZO</td>
<td>7B30Z0</td>
</tr>
<tr>
<td>Brass Grill (for 7B30ZK-1) (set of 2), 7B30ZGB</td>
<td>7B30ZGB</td>
</tr>
<tr>
<td>Elbow 90°, 8” dia. I.D., 7B26ZE90</td>
<td>7B26ZE90</td>
</tr>
<tr>
<td>Elbow 45°, 8” dia. I.D., 7B26ZE45</td>
<td>7B26ZE45</td>
</tr>
<tr>
<td>Telescopic length, 8” dia. I.D. (15” to 26”), 7B26ZLA</td>
<td>7B26ZLA</td>
</tr>
<tr>
<td>Adjustable length, 8” dia. I.D. (2” - 5”), 7B26ZL2A</td>
<td>7B26ZL2A</td>
</tr>
<tr>
<td>Length five (5) feet, 8KL5</td>
<td>8KL5</td>
</tr>
<tr>
<td>Length four (4) feet, 8KL4</td>
<td>8KL4</td>
</tr>
<tr>
<td>Length three (3) feet, 8KL3</td>
<td>8KL3</td>
</tr>
<tr>
<td>Length two (2) feet, 8KL2</td>
<td>8KL2</td>
</tr>
<tr>
<td>Length one (1) feet, 8KL1</td>
<td>8KL1</td>
</tr>
</tbody>
</table>

#### Fireplace Kits

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat./Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rigid firescreen, BTZN</td>
<td>BTZN</td>
</tr>
<tr>
<td>Masonry Chimney Adaptor, 45°, BISTMA (for use with TUBINOX liner) (not approved for use in U.S.A.)</td>
<td>BISTMA</td>
</tr>
<tr>
<td>Masonry Chimney Adaptor, 30°, BISTMA30 (for use with TUBINOX liner)</td>
<td>BISTMA30</td>
</tr>
<tr>
<td><strong>Central Forced Air Kit Accessories</strong> ️</td>
<td></td>
</tr>
<tr>
<td>Central forced air kit including: blower (BISZY), flex adaptor (BISAF), 2 clamps, variable speed control (VRUW), thermo-disk (VTU), fan to flexible pipe adapter (BISAVF), back draft damper (BISBD), aluminium tape, BISFWK-1</td>
<td>BISFWK-1</td>
</tr>
<tr>
<td>Fireplace to Flex adaptor and 2 clamps, BISAF</td>
<td>BISAF</td>
</tr>
<tr>
<td>Flexible pipe 5” I.D. x 15 ft. Long, 5FLEX15</td>
<td>5FLEX15</td>
</tr>
<tr>
<td>Flexible pipe 5” I.D. x 30 ft. Long, 5FLEX25</td>
<td>5FLEX25</td>
</tr>
<tr>
<td>Blower 250 CFM for central forced air kit, BISZY</td>
<td>BISZY</td>
</tr>
<tr>
<td>Blower variable speed control with decorative wall plate for (BISZY), VRUW</td>
<td>VRUW</td>
</tr>
<tr>
<td>Thermo-disk, on/off blower control (for BISZY), VTU</td>
<td>VTU</td>
</tr>
<tr>
<td>Blower to flexible pipe adaptor, BISAVF</td>
<td>BISAVF</td>
</tr>
<tr>
<td>Heating and cooling thermostat, 24V, HCTW</td>
<td>HCTW</td>
</tr>
<tr>
<td>Backdraft damper, BISBD</td>
<td>BISBD</td>
</tr>
</tbody>
</table>

️ Not tested under EPA certification. If installed, this appliance no longer qualifies for EPA certification.
### Secure Temp GX - 2” Insulated Galvanized Chimney System

(Recommended Insulated System)

**Galvanized (7” ID and 11” OD) U.S.A. ONLY**

<table>
<thead>
<tr>
<th>Lengths and Misc. Chimney Components</th>
<th>Description</th>
<th>Cat./Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length 8”, 7GXL8</td>
<td>7GXL8</td>
<td></td>
</tr>
<tr>
<td>Length 12”, 7GXL12</td>
<td>7GXL12</td>
<td></td>
</tr>
<tr>
<td>Length 18”, 7GXL18</td>
<td>7GXL18</td>
<td></td>
</tr>
<tr>
<td>Length 24”, 7GXL24</td>
<td>7GXL24</td>
<td></td>
</tr>
<tr>
<td>Length 24” (stainless steel exterior flue), 7XL24</td>
<td>7XL24</td>
<td></td>
</tr>
<tr>
<td>Length 36”, 7GXL36</td>
<td>7GXL36</td>
<td></td>
</tr>
<tr>
<td>Length 36” (stainless steel exterior flue), 7XL36</td>
<td>7XLS6</td>
<td></td>
</tr>
<tr>
<td>Length 48”, 7GXL48</td>
<td>7GXL48</td>
<td></td>
</tr>
<tr>
<td>Length 48” (stainless steel exterior flue), 7XL48</td>
<td>7XL48</td>
<td></td>
</tr>
<tr>
<td>15º Elbow, 7GXE15</td>
<td>7GXE15</td>
<td></td>
</tr>
<tr>
<td>30º Elbow, 7GXE30</td>
<td>7GXE30</td>
<td></td>
</tr>
<tr>
<td>Rain Termination Cap, 7CC (stainless steel)</td>
<td>7CC</td>
<td></td>
</tr>
<tr>
<td>Wall Band, XBM</td>
<td>XBM</td>
<td></td>
</tr>
</tbody>
</table>

**Supports**

|  | Offset Support, XSO | XSO |
|  | Roof / Floor support, XST | XST |
|  | Roof Brace, XBS2 | XBS2 |

**Roof Flashings**

|  | Roof Flashing, Flat (includes spacer and collar), 7XF | 7XF |
|  | Roof Flashing, Adjustable (5º to 30º) (includes spacer and collar), 7XFA | 7XFA |
|  | Roof Flashing, Adjustable (30º to 45º) (includes spacer and collar), 7XFB | 7XFB |
|  | Storm Collar (spacer included), 7XFC | 7XFC |

**Firestops and Braces**

|  | Firestop, 7XBF | 7XBF |
|  | Radiation shield, 7XRS | 7XRS |
|  | Insulated attic radiation shield, 7XRSA | 7XRSA2 |
|  | 30º Insulated wall radiation shield, 7XSRSMI30 | 7XSRSMI30 |

**Notes:**

- Nova Temp™ HT6000+ is equivalent to S-2100+
- Chimney Adaptor (S-2100+ / HT6000+) for CANADA ONLY - If you want to install a S-2100+ / HT6000+ chimney, an adaptor is available (6UCA).  
- ACBI Chimney is NOT recommended at elevations above 4,000 feet or in cold climates (climates where temperatures will fall below 32° F / 0° C). When using ACBI chimney, an ACBI7SB starter section must be used before installing an elbow. When an offset is needed immediately off the top of the fireplace, an elbow starter section (ACBI7SB30) is available.
### CHIMNEY - PARTS AND COMPONENTS LISTS

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat./Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACBI Chimney</strong>&lt;br&gt;(7&quot; I.D., 13&quot; O.D. AC - Air Cooled)&lt;br&gt;*AC Chimney is NOT recommended at elevations above 4,000 feet or in cold climates (climates where temperatures will fall below 32° F / 0° C).</td>
<td></td>
</tr>
<tr>
<td>One of the following adaptors is required if installing an AC chimney system</td>
<td></td>
</tr>
<tr>
<td>Starter Section w/ air intake, 7&quot; Dia., ACBI7SB</td>
<td>H3258</td>
</tr>
<tr>
<td>Offset Starter Section 30°, 7&quot; Dia., ACBI7SB30</td>
<td>H3259</td>
</tr>
<tr>
<td><strong>The following outside air kit is required if installing an AC chimney system</strong></td>
<td></td>
</tr>
<tr>
<td>Outside Air Kit (Chimney) (4&quot; ID Flex X 10' Long, Insulation, Outside Register And Coupling), ACZI</td>
<td>H1967</td>
</tr>
<tr>
<td><strong>Lengths and Misc. Chimney Components</strong></td>
<td></td>
</tr>
<tr>
<td>12&quot; Length, 7&quot; Dia., ACBI7L12</td>
<td>H3252</td>
</tr>
<tr>
<td>18&quot; Length, 7&quot; Dia., ACBI7L18</td>
<td>H3253</td>
</tr>
<tr>
<td>36&quot; Length, 7&quot; Dia., ACBI7L36</td>
<td>H3254</td>
</tr>
<tr>
<td>48&quot; Length, 7&quot; Dia., ACBI7L48</td>
<td>H3255</td>
</tr>
<tr>
<td>15° Elbow, 7&quot; Dia., ACBI7E15</td>
<td>H3256</td>
</tr>
<tr>
<td>30° Elbow, 7&quot; Dia., ACBI7E30</td>
<td>H3257</td>
</tr>
<tr>
<td>Rain Termination Cap (regular), 7&quot; Dia., ACBI7CPR</td>
<td>H3260</td>
</tr>
<tr>
<td>Spark Arrester Screen (universal spark arrester band), PE</td>
<td>PE</td>
</tr>
<tr>
<td>Wall Band, XBM</td>
<td>XBM</td>
</tr>
<tr>
<td><strong>Supports</strong></td>
<td></td>
</tr>
<tr>
<td>Support section (10&quot; long), ACBI7SL</td>
<td>H3263</td>
</tr>
<tr>
<td>Universal support, AC10SU</td>
<td>H3265</td>
</tr>
<tr>
<td><strong>Roof Flashings</strong></td>
<td></td>
</tr>
<tr>
<td>Flat roof flashing (includes spacer and collar), ACBI7FR</td>
<td>H3275</td>
</tr>
<tr>
<td>Roof Flashing, Adjustable, 5° - 30° (includes spacer and collar), ACBI7FAR</td>
<td>H3276</td>
</tr>
<tr>
<td>Roof Flashing, Adjustable, 30° - 45° (includes spacer and collar), ACBI7FBR</td>
<td>H3277</td>
</tr>
<tr>
<td><strong>Misc.</strong></td>
<td></td>
</tr>
<tr>
<td>Firestop, ACBI7BF</td>
<td>H3268</td>
</tr>
<tr>
<td>Radiation Shield, ACBI7RS</td>
<td>H3269</td>
</tr>
<tr>
<td>Attic Radiation Shield, ACBI7RSA</td>
<td>H3270</td>
</tr>
<tr>
<td>Telescopic Attic Radiation Shield, ACBI7RST</td>
<td>H3271</td>
</tr>
<tr>
<td>Insulated Wall Radiation Shield 30°, AC10RSMI30</td>
<td>H3272</td>
</tr>
<tr>
<td>Storm Collar, AC10FC</td>
<td>H3278</td>
</tr>
</tbody>
</table>

### TUBINOX LL Chimney Lining System
Rigid Stainless Steel Liner For Relining A Masonry Chimney, 7" Diameter<br>Listed to ULC-S635M, UL-1777 and ULC-S640M at 2100° F

<table>
<thead>
<tr>
<th>Description</th>
<th>Cat./Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; Length, 7&quot; Dia., 7LL6</td>
<td>7LL6</td>
</tr>
<tr>
<td>12&quot; Length, 7&quot; Dia., 7LL12</td>
<td>7LL12</td>
</tr>
<tr>
<td>24&quot; Length, 7&quot; Dia., 7LL24</td>
<td>7LL24</td>
</tr>
<tr>
<td>36&quot; Length, 7&quot; Dia., 7LL36</td>
<td>7LL36</td>
</tr>
<tr>
<td>48&quot; Length, 7&quot; Dia., 7LL48</td>
<td>7LL48</td>
</tr>
<tr>
<td>Adjustable Length (7&quot; to 11&quot;), 7&quot; Dia., 7L7A</td>
<td>7L7A</td>
</tr>
<tr>
<td>Split Base Tee, 7&quot; Dia., 7LT</td>
<td>7LT</td>
</tr>
<tr>
<td>Tee Cap, 7&quot; Dia., 7TCS</td>
<td>7TCS</td>
</tr>
<tr>
<td>Twist Lock Tee Cap, 7&quot; Dia., 7LTC</td>
<td>7LTC</td>
</tr>
<tr>
<td>Elbow 30°, 7&quot; Dia., 7LE30</td>
<td>7LE30</td>
</tr>
<tr>
<td>Elbow 45°, 7&quot; Dia., 7LE45</td>
<td>7LE45</td>
</tr>
<tr>
<td>Elbow 90°, 7&quot; Dia., 7LE90</td>
<td>7LE90</td>
</tr>
<tr>
<td>Rain Termination Cap (regular), 7&quot; Dia., 7LCS</td>
<td>7LCS</td>
</tr>
<tr>
<td>Rain Termination Cap (deluxe), 7&quot; Dia., 7CC</td>
<td>7CC</td>
</tr>
<tr>
<td><strong>Supports</strong></td>
<td></td>
</tr>
<tr>
<td>Top Support, Part# 7LST</td>
<td>7LST</td>
</tr>
<tr>
<td>Support Assembly, 7LSA</td>
<td>7LSA</td>
</tr>
<tr>
<td>Interior Support, Part# 7LSB</td>
<td>7LSB</td>
</tr>
<tr>
<td>Adaptor Flexible Pipe (male), 7LAAM</td>
<td>7LAAM</td>
</tr>
<tr>
<td>Adaptor Flexible Pipe (female), 7LAAF</td>
<td>7LAAF</td>
</tr>
<tr>
<td>Stainless Steel Flex - five (5) feet Long, 7LLFLEX</td>
<td>7LLFLEX</td>
</tr>
<tr>
<td>Adj. Insulated Wall Radiation Shield 6&quot; to 12&quot;, 7LRSMI</td>
<td>7LRSMI</td>
</tr>
<tr>
<td><strong>Adaptors to Masonry Chimney</strong></td>
<td></td>
</tr>
<tr>
<td>Masonry Chimney Adaptor, 45°, BISUMA (for use with TUBINOX liner) CANADA ONLY</td>
<td>BISUMA</td>
</tr>
<tr>
<td>Masonry Chimney Adaptor, 30°, BISTMA30 (for use with TUBINOX liner)</td>
<td>BISTMA30</td>
</tr>
</tbody>
</table>
The following clearances meet the minimum requirements for a safe installation:

**Side wall** (fireplace front): 24" (457 mm) measured from the fireplace side.

**Ceiling**: 6’ 8” (2,032 mm) measured from the base of the fireplace.

**Fireplace enclosure**:
- **Bottom**: 0”
- **Side**: 0” to spacer
- **Back**: 0” to spacer
- **Top**: Do not fill the space above the fireplace with any material (Except the wood framing. See Figure 10)

**Chimney**: 2” (50 mm), except for through ceiling application, ACBI chimney, 1” (25 mm) clearance.

**Mantel**: 56” (1422 mm) measured from the base of the fireplace.

Contact an Security Chimneys International dealer to obtain any of these parts. Never use substitute materials not approved by Security. Use of non-approved parts can result in poor performance and safety hazards.
WARRANTY

Your fireplace is covered by a limited warranty. Please read the warranty to be familiar with its coverage.

Retain this manual. File it with your other documents for future reference.

PRODUCT REFERENCE INFORMATION

We recommend that you record the following important information about your fireplace. Please contact your Security Chimneys International dealer for any questions or concerns or for the phone number of your nearest Security Chimneys International dealer.

REPLACEMENT PARTS

See Page 23 for a complete replacement parts list. Use only parts supplied from the manufacturer.

Normally, all parts should be ordered through your Security Chimneys International distributor or dealer. Parts will be shipped at prevailing prices at time of order.

When ordering repair parts, always give the following information:

1. The model number of the appliance.
2. The serial number of the appliance.
3. The part number.
4. The description of the part.
5. The quantity required.
6. The installation date of the appliance.

If you encounter any problems or have any questions concerning the installation or application of this system, please contact your dealer.

SECURITY CHIMNEYS INTERNATIONAL LIMITED
2125 Monterey street
Laval, Québec, Canada, H7L 3T6
(450) 973-9999
Visit us at www.securitychimneys.com

Your Fireplace's Model Number ____________________________
Your Fireplace's Serial Number ____________________________
The Date On Which Your Fireplace Was Installed ____________________
Your Dealer's Name _______________________________________
Your Dealer's Phone Number _______________________________