

# SÓLAS

## COOL ZONE FOR USE WITH BUILT-IN DIRECT-VENT GAS FIREPLACES

### SUPPLEMENTAL INSTALLATION MANUAL

SEE-THRU MODELS\*: BI-48-ST, BI-60-ST, BI-72-ST

SINGLE SIDE MODELS\*: BI-48-SSL, BI-48-SSR, BI-60-SSL, BI-60-SSR, BI-72-SSL, BI-72-SSR

*\*Units Manufactured with Serial Number 8467 and higher.*

#### ⚠ WARNING

##### FIRE OR EXPLOSION HAZARD

Failure to follow safety warnings exactly could result in serious injury, death, or property damage.

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- **WHAT TO DO IF YOU SMELL GAS**
  - Do not try to light any appliance.
  - Do not touch any electrical switch; do not use any phone in your building.
  - Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
  - If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency or the gas supplier.

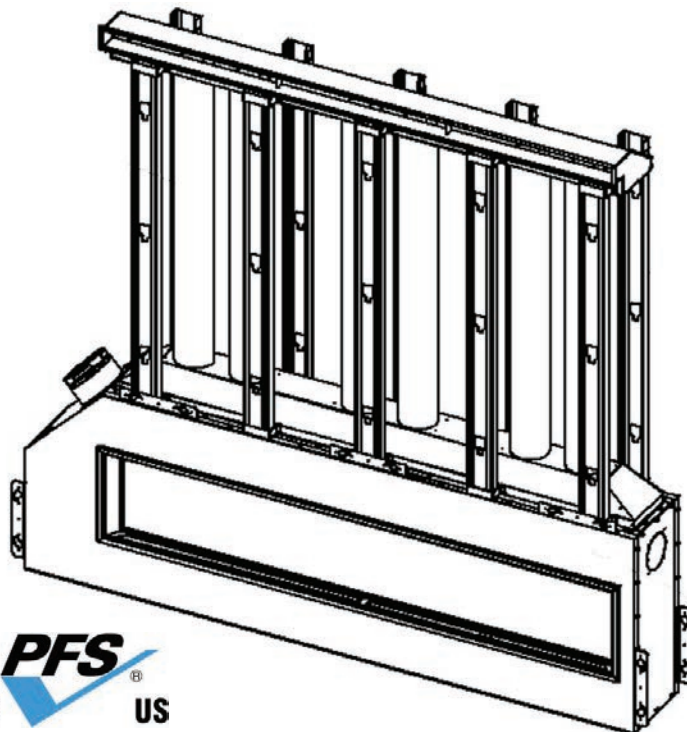
**DUE TO HIGH TEMPERATURES, THE APPLIANCE SHOULD BE LOCATED OUT OF TRAFFIC AND AWAY FROM FURNITURE AND DRAPERIES.**

**CHILDREN AND ADULTS SHOULD BE ALERTED TO THE HAZARD OF HIGH SURFACE TEMPERATURE AND SHOULD STAY AWAY TO AVOID BURNS OR CLOTHING IGNITION.**

**YOUNG CHILDREN SHOULD BE CAREFULLY SUPERVISED WHEN THEY ARE IN THE SAME ROOM WITH THE APPLIANCE.**

**DO NOT PLACE CLOTHING OR OTHER FLAMMABLE MATERIAL ON OR NEAR THE APPLIANCE.**

**WARNING** Improper installation, adjustment, services or maintenance can cause injury, or property damage. Refer to this manual. For assistance or additional information, consult a qualified installer, service agency, or gas supplier.



**PFS**  
C US  
Report #F19-219

*Ce manuel est disponible en Francais sur demande.*

This appliance may be installed in an aftermarket, permanently located, manufactured home (USA only) or mobile home, where not prohibited by local codes.

This appliance is only for use with the type of gas indicated on the rating plate. This appliance is not convertible for use with other gases, unless a certified kit is used.

#### WARNING

**DO NOT** cover or place objects in front of the cool wall plenum outlet. **DISCHARGE TEMPERATURES ARE HOT!** Locate outlet plenum out of reach and away from high traffic areas.

#### WARNING

Dust or particles caught in the cool zone airflow may cause staining or streaking on light colored ceilings or walls when exiting the plenum outlet. Keeping as large a distance as possible between the outlet and the ceiling will mitigate this issue.

**INSTALLER:** Leave this manual with appliance | **CONSUMER:** Retain this manual for future reference

## INSTALLATION RECORD

# SÓLAS

The installer should complete the form below that describes the details of the installation. Having this written record of installation information available will greatly expedite troubleshooting should any problem arise with your stove. The installer should keep a duplicate of this form for their records.

Date Purchased: \_\_\_\_\_

Dealer: \_\_\_\_\_

Date Installed: \_\_\_\_\_

Installer: \_\_\_\_\_

Fireplace Model: (circle one)    **FORTY8**    **SIXTY0**    **SEVENTY2**

Burner: (circle one)    **Glass Media Burner**    **Log Set Burner**

Serial Number: \_\_\_\_\_

Brand of Venting Used: \_\_\_\_\_

Model # of Vent Cap Used: \_\_\_\_\_

Fuel: (circle one)    **Natural Gas (NG)**    **Propane (LP)**

Was this field converted? (circle one)    YES    NO

Inlet Pressure (after installation): \_\_\_\_\_

Manifold Pressure (after Installation):    High Fire: \_\_\_\_\_ in. WC

Low Fire: \_\_\_\_\_ in. WC

Altitude: (feet above sea level) \_\_\_\_\_

Was the Fireplace derated? (circle one)    YES    NO

If the Fireplace was derated, to what orifice size? \_\_\_\_\_

Other installation notes: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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**NOTE: 2x4 Steel Studs and Foil Tape are required materials for Installation. (Not included in the Cool Zone Kit)**

**NOTE: DO NOT SCREW INTO THE FACE OF THE FIREPLACE.**

**NOTE:** Prior to enclosing the wall cavity, test fire the fireplace to ensure it is fully operational.

**WE STRONGLY SUGGEST THAT YOU READ THIS MANUAL THOROUGHLY BEFORE BEGINNING THE INSTALLATION OF THIS DIRECT VENT GAS FIREPLACE. ALTHOUGH THE BASIC REQUIREMENTS FOR THE INSTALLATION OF ALL DIRECT VENT GAS FIREPLACES ARE SIMILAR, EACH SPECIFIC PRODUCT HAS ITS OWN UNIQUE SET-UP AND INSTALLATION REQUIREMENTS THAT MUST BE FOLLOWED EXACTLY. PLAN YOUR INSTALLATION IN ADVANCE BY CAREFULLY REVIEWING ALL THE INFORMATION CONTAINED IN THIS MANUAL.**

Read all instructions completely and thoroughly before attempting installation. Failure to do so could result in serious injury, property damage, or loss of life. Operation of improperly installed or maintained venting system could result in serious injury, property damage, or loss of life.

This Installation Guide must be followed in its entirety and with out modification.

The information contained in this manual is believed to be correct at the time of printing. SÓLAS LLC reserves the right to change or modify any information or specifications without notice. SÓLAS LLC grants no warranty, implied or stated, for the installation or maintenance of your appliance, and assumes no responsibility for any consequential damage(s).  
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## ***Félicitations pour votre achat d'un SÓLAS !***

*Nous vous souhaitons la bienvenue dans la famille des foyers au gaz SÓLAS. Chacun de nos produits est habilement conçu et fabriqué de manière experte aux États-Unis. Nous sommes très fiers de chaque foyer que nous fabriquons. Chaque produit est entièrement testé tout au long du processus de production pour garantir votre sécurité et votre chaleur au fil des ans.*

*Sincèrement,*

**SÓLAS**

**AVERTISSEMENT:** Assurez vous de bien suivre les instructions données dans cette notice pour réduire au minimum le risque d'incendie ou d'explosion ou pour éviter tout dommage matériel, toute blessure ou la mort.

Ne pas entreposer ni utiliser d'essence ni d'autres vapeurs ou liquides inflammables dans le voisinage de cet appareil ou de tout autre appareil.

### **— QUE FAIRE SI VOUS SENTEZ UNE ODEUR DE GAZ:**

- Ne pas tenter d'allumer d'appareil.
- Ne touchez à aucun interrupteur. Ne pas vous servir des téléphones se trouvant dans le bâtiment où vous trouvez.
- Appelez immédiatement votre fournisseur de gaz depuis un voisin. Suivez les instructions du fournisseur.
- Si vous ne pouvez rejoindre le fournisseur de gaz, appelez le service des incendies.

— L'installation et l'entretien doivent être assurés par un installateur ou un service d'entretien qualifié ou par le fournisseur de gaz.

Cet appareil peut être installé dans une maison préfabriquée (mobile) déjà installée à demeure si les règlements locaux le permettent.

Cet appareil doit être utilisé uniquement avec les types de gaz indiqués sur la plaque signalétique. Cet appareil ne peut être converti à d'autres gaz, sauf si une trousse de conversion est utilisée.

Ne pas utiliser cet appareil s'il a été plongé, même partiellement, dans l'eau. Appeler un technicien qualifié pour inspecter l'appareil et remplacer toute partie du système de commande et toute commande qui a été plongée dans l'eau.

**ATTENTION:** Au moment de l'entretien des commandes, étiquetez tous les fils avant de les débrancher. Des erreurs de câblage peuvent entraîner un fonctionnement inadéquat et dangereux.

S'assurer que l'appareil fonctionne adéquatement une fois l'entretien terminé.

**ATTENTION:** Ne pas utiliser l'appareil si la panneau frontal en verre n'est pas en place, est craqué ou brisé. Confiez le remplacement du panneau à un technicien agréé.

**INSTALLATEUR:** LAISSEZ CE MANUEL AVEC L'APPAREIL.

**CONSOMMATEUR:** CONSERVEZ CE MANUEL AUX FINS DE CONSULTATION ULTÉRIEURE.

## IMPORTANT SAFETY INFORMATION

The installation must conform with local codes or, in the absence of local codes, with the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or the Natural Gas and Propane Installation Code, CSA B149.1.

A manufactured home (USA only) or mobile home OEM installation must conform with the Manufactured Home Construction and Safety Standard, Title 24 CFR, Part 3280 or when such a standard is not applicable, the Standard for Manufactured Home Installations, ANSI/BCSBCS A225.1, or Standard for Gas Equipped Recreational Vehicles and Mobile Housing, CSA Z240.4.

The appliance and its appliance main gas valve must be disconnected from the gas supply piping system during any pressure testing of that system at test pressures in excess of ½ psi (3.5 kPa).

The appliance must be isolated from the gas supply piping system by closing its equipment shutoff valve during any pressure testing of the gas supply piping system at test pressures equal to or less than ½ psi (3.5 kPa).

The installation must provide for adequate ventilation air to the appliance.

This gas appliance must not be connected to a chimney flue serving a separate solid-fuel burning appliance.

The appliance, when installed, must be electrically grounded in accordance with local codes, or, in the absence of local codes, with the National Electrical Code ANSI/NFPA 70, or the Canadian Electrical Code, CSA C22. 1.

The appliance area must be kept clear and free from combustible materials, gasoline and other flammable vapors and liquids.

The flow of combustion and ventilation air must not be obstructed. Adequate accessibility clearances must be maintained for servicing and proper operation of this appliance.

Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

**Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies.**

**Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.**

**Young children should be carefully supervised when they are in the same room as the appliance. Toddlers, young children and others may be susceptible to accidental contact burns. A physical barrier is recommended if there are at-risk individuals in the house. To restrict access to a fireplace or stove, install an adjustable safety gate to keep toddlers, young children and other at-risk individuals out of the room and away from hot surfaces.**

**A barrier designed to reduce the risk of burns from the hot viewing glass is provided with this appliance and shall be installed for the protection of children and other at-risk individuals. If the barrier becomes damaged, the barrier shall be replaced with the manufacturer's barrier for this appliance.**

**Clothing or other flammable material should not be placed on or near the appliance.**

**Any screen or guard removed for servicing an appliance must be replaced prior to operating the appliance.**

### Fireplace

Keep Furniture  
and Other Objects  
**36" from Fireplace**

**36" (91.44cm)**

Installation and repair should be done by a licensed service technician. The appliance should be inspected before use and at least annually by a professional service technician. More frequent cleaning may be required due to excessive lint from carpeting, bedding material, etc. It is imperative that the control compartments, burners and circulating air passageways of the appliance be kept clean. Warranty void if not.

**WARNING:** Do not operate the appliance with the glass door assembly removed, or if the glass is cracked or broken. Replacement of the glass should be done by a qualified service technician.

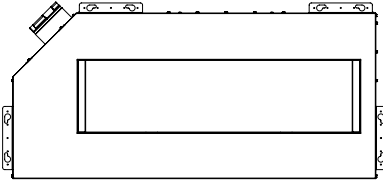
**WARNING:** Use only glass assembly, P/N 48-510 for FORTY8, P/N 60-510 for SIXTY0, P/N 72-510 for SEVENTY2, which includes the glass panel, frame and gasket. Do not use substitute materials. Do not strike or slam the glass front. Do not use abrasive cleaners. Do not clean when hot.

**CAUTION:** Do not operate with broken glass.

## FORTY8 Models

### FORTY8 SEE-THRU

MODEL NO. BI-48-ST

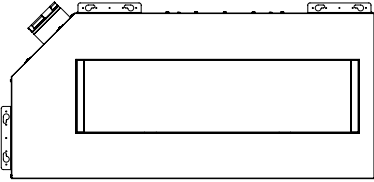


(See-Thru Model can be installed  
with Left or Right Vent)

### FORTY8 SINGLE SIDE

(Left side vent exit)

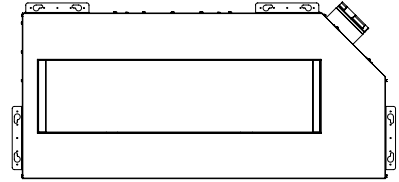
MODEL NO. BI-48-SSL



### FORTY8 SINGLE SIDE

(Right side vent exit)

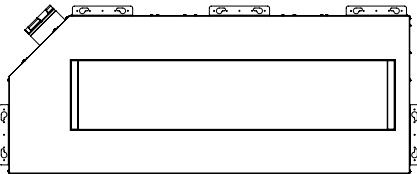
MODEL NO. BI-48-SSR



## SIXTY0 Models

### SIXTY0 SEE-THRU

MODEL NO. BI-60-ST

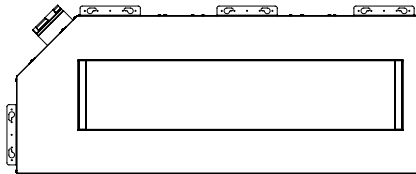


(See-Thru Model can be installed  
with Left or Right Vent)

### SIXTY0 SINGLE SIDE

(Left side vent exit)

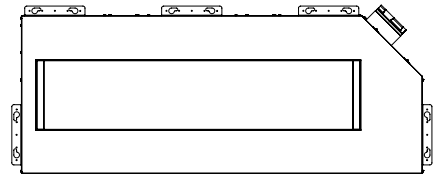
MODEL NO. BI-60-SSL



### SIXTY0 SINGLE SIDE

(Right side vent exit)

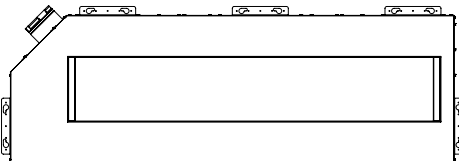
MODEL NO. BI-60-SSR



## SEVENTY2 Models

### SEVENTY2 SEE-THRU

MODEL NO. BI-72-ST

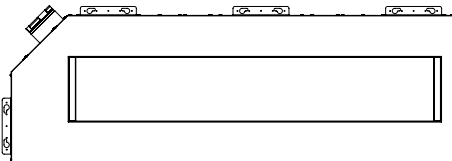


(See-Thru Model can be installed  
with Left or Right Vent)

### SEVENTY2 SINGLE SIDE

(Left side vent exit)

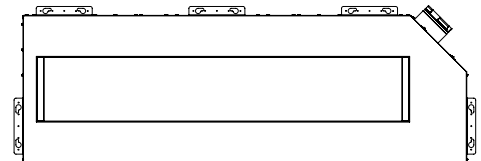
MODEL NO. BI-72-SSL



### SEVENTY2 SINGLE SIDE

(Right side vent exit)

MODEL NO. BI-72-SSR



## MODEL DESCRIPTIONS

### COOL ZONE KIT CONTENTS

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-48-SSR FORTY8 SINGLE-SIDED RIGHT</b>	<b>CZK-48-SSR</b>	FORTY8 COLLECTOR	12516	1
		FORTY8 RIGHT HEAT SHIELD*	12536	1
		FORTY8 RIGHT PLENUM	12644	1
		COOL ZONE 5" HOSE CLAMP	12666	8
		FORTY8 VIEWING AREA TRIM	12643	1
		FORTY8 PLENUM OUTLET TRIM**	12641	1
		COOL ZONE 5" FLEX PIPE***	12634	4
		UTILITY KNIFE	XXXX	1

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-48-SSL FORTY8 SINGLE-SIDED LEFT</b>	<b>CZK-48-SSL</b>	FORTY8 COLLECTOR	12516	1
		FORTY8 LEFT HEAT SHIELD*	12533	1
		FORTY8 LEFT PLENUM	12520	1
		COOL ZONE 5" HOSE CLAMP	12666	8
		FORTY8 VIEWING AREA TRIM	12643	1
		FORTY8 PLENUM OUTLET TRIM**	12641	1
		COOL ZONE 5" FLEX PIPE***	12634	4
		UTILITY KNIFE	XXXX	1

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-48-ST FORTY8 SEE-THRU</b>	<b>CZK-48-ST</b>	FORTY8 COLLECTOR	12516	1
		FORTY8 RIGHT HEAT SHIELD*	12536	1
		FORTY8 LEFT HEAT SHIELD*	12533	1
		FORTY8 SEE-THRU PLENUM	12649	1
		COOL ZONE 5" HOSE CLAMP	12666	8
		FORTY8 VIEWING AREA TRIM	12643	2
		FORTY8 PLENUM OUTLET TRIM**	12641	2
		COOL ZONE 5" FLEX PIPE***	12634	4
		UTILITY KNIFE	XXXX	1

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-60-SSR SIXTY0 SINGLE-SIDED RIGHT</b>	<b>CZK-60-SSR</b>	SIXTY0 COLLECTOR	12651	1
		SIXTY0 RIGHT HEAT SHIELD*	12537	1
		SIXTY0 RIGHT PLENUM	12660	1
		COOL ZONE 5" HOSE CLAMP	12666	12
		SIXTY0 VIEWING AREA TRIM	12657	1
		SIXTY0 PLENUM OUTLET TRIM**	12659	1
		COOL ZONE 5" FLEX PIPE***	12634	6
		UTILITY KNIFE	XXXX	1

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-60-SSL SIXTY0 SINGLE-SIDED LEFT</b>	<b>CZK-60-SSL</b>	SIXTY0 COLLECTOR	12651	1
		SIXTY0 LEFT HEAT SHIELD*	12534	1
		SIXTY0 LEFT PLENUM	12653	1
		COOL ZONE 5" HOSE CLAMP	12666	12
		SIXTY0 VIEWING AREA TRIM	12657	1
		SIXTY0 PLENUM OUTLET TRIM**	12659	1
		COOL ZONE 5" FLEX PIPE***	12634	6
		UTILITY KNIFE	XXXX	1

\* This part was installed on your fireplace from the factory.

\*\* Plenum Outlet Trim is required and is available in Satin Black or White, must choose one.

\*\*\*The 5" Flex pipe required for this installation can be purchased from SOLAS or from a third-party supplier. Should you choose to purchase from a third-party supplier, the 5" flex used must be 2-ply thick 3003 Aluminum liner.



## MODEL DESCRIPTIONS

### COOL ZONE KIT CONTENTS

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-60-ST SIXTY0 SEE-THRU</b>	<b>CZK-60-ST</b>	SIXTY0 COLLECTOR	12651	1
		SIXTY0 RIGHT HEAT SHIELD*	12537	1
		SIXTY0 LEFT HEAT SHIELD*	12534	1
		SIXTY0 SEE-THRU PLENUM	12665	1
		COOL ZONE 5" HOSE CLAMP	12666	12
		SIXTY0 VIEWING AREA TRIM	12657	2
		SIXTY0 PLENUM OUTLET TRIM**	12659	2
		COOL ZONE 5" FLEX PIPE***	12634	6
		UTILITY KNIFE	XXXX	1

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-72-SSR SEVENTY2 SINGLE-SIDED RIGHT</b>	<b>CZK-72-SSR</b>	SEVENTY2 COLLECTOR	12526	1
		SEVENTY2 RIGHT HEAT SHIELD*	12538	1
		SEVENTY2 RIGHT PLENUM	12636	1
		COOL ZONE 5" HOSE CLAMP	12666	12
		SEVENTY2 VIEWING AREA TRIM	12532	1
		SEVENTY2 PLENUM OUTLET TRIM**	12559	1
		COOL ZONE 5" FLEX PIPE***	12634	6
		UTILITY KNIFE	XXXX	1

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-72-SSL SEVENTY2 SINGLE-SIDED LEFT</b>	<b>CZK-72-SSL</b>	SEVENTY2 COLLECTOR	12526	1
		SEVENTY2 LEFT HEAT SHIELD*	12535	1
		SEVENTY2 LEFT PLENUM	12527	1
		COOL ZONE 5" HOSE CLAMP	12666	12
		SEVENTY2 VIEWING AREA TRIM	12532	1
		SEVENTY2 PLENUM OUTLET TRIM**	12559	1
		COOL ZONE 5" FLEX PIPE***	12634	6
		UTILITY KNIFE	XXXX	1

FIREPLACE MODEL #	KIT PART #	ITEM DESCRIPTION	ITEM PART #	ITEM QTY PER KIT
<b>BI-72-ST SEVENTY2 SEE-THRU</b>	<b>CZK-72-ST</b>	SEVENTY2 COLLECTOR	12526	1
		SEVENTY2 RIGHT HEAT SHIELD*	12538	1
		SEVENTY2 LEFT HEAT SHIELD*	12535	1
		SEVENTY2 SEE-THRU PLENUM	12551	1
		COOL ZONE 5" HOSE CLAMP	12666	12
		SEVENTY2 VIEWING AREA TRIM	12532	2
		SEVENTY2 PLENUM OUTLET TRIM**	12559	2
		COOL ZONE 5" FLEX PIPE***	12634	6
		UTILITY KNIFE	XXXX	1

\* This part was installed on your fireplace from the factory.

\*\* Plenum Outlet Trim is required and is available in Satin Black or White, must choose one.

\*\*\*The 5" Flex pipe required for this installation can be purchased from SOLAS or from a third-party supplier. Should you choose to purchase from a third-party supplier, the 5" flex used must be 2-ply thick 3003 Aluminum liner.

# SÓLAS

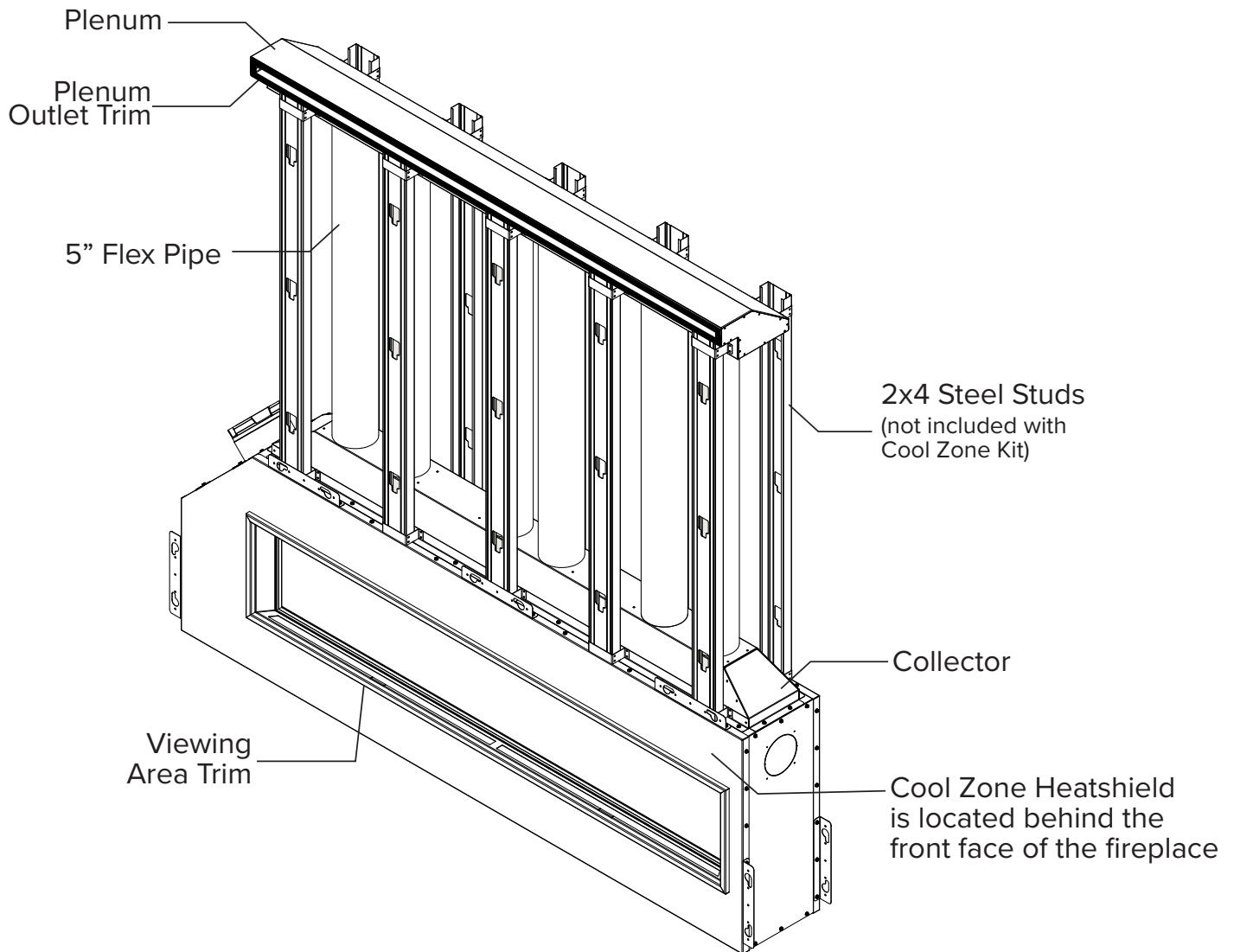
**For Replacement Parts and customer service,  
contact your SÓLAS Dealer or;**

**SÓLAS, LLC**

452 Sunapee Street, Newport, NH 03773

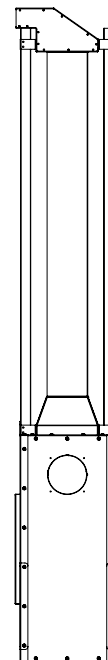
P (603) 298-5169 sales@solasfires.com

## MODEL DESCRIPTIONS



- CZK-72-SSL shown on a BI-72-SSL, all models utilize the same basic cool zone design. All FORTY8 based models employ (4) 5" flex pipes, SIXTY0 and SEVENTY2 fireplaces require (6) 5" flex pipes.
- The plenum outlet trim must be on the same plane as the face of the fireplace

Side View  
Showing  
Plenum outlet  
on the same  
plane as the  
face of the  
fireplace



# CERTIFICATION

This appliance has been certified by PFS TECO to ANSI Z21.88-2014/CSA 2.33-2014 Vented Gas Fireplace Heaters and CAN/CGA 2.17-M91 (2014), Gas-Fired Appliances for Use At High Altitudes.

This SÓLAS Gas Fireplace is approved for installation at elevations up to 2000 feet in the U.S. and 1370 meters (4500 feet) in Canada without change. If your installation is at an

elevation greater than those noted, consult with the local authority having jurisdiction for gas product installations to determine their specific requirements for high altitude installations.

These appliances are approved for installation in the Commonwealth of Massachusetts by the Board of State Examiners of Plumbers and Gas Fitters.

## SÓLAS DIRECT VENT GAS FIREPLACES

VENTED GAS FIREPLACE HEATER  
NOT FOR USE WITH SOLID FUEL

SERIAL NUMBER: BI - 20 -

### □ BI-48-ST □ BI-48-SSL □ BI-48-SSR

EQUIPPED FOR -	□ Natural Gas/Gaz Naturel	□ Propane	- ÉQUIPÉ POUR
Input Rating	26,000 BTU/hr	30,000 BTU/hr	Debit Calorifique
Min. Input Rating	16,000 BTU/hr	19,000 BTU/hr	Puissance Minimum
Orifice - DMS	#42	#52	L'injecteur
Manifold Pressure	3.5" w.c. / 0.9kPa	10.0" w.c. / 2.5kPa	Press. A la tubulure
Min. Supply Pressure	5.5" w.c. / 1.4kPa	11.0" w.c. / 2.8kPa	Press. D'Arrivée Min.
Max Supply Pressure	10.0" w.c. / 2.5kPa	13.0" w.c. / 3.3kPa	Press. D'Arrivée Max.

For use only with barrier(s) Part No. 11223. Follow installation instructions.

A utiliser uniquement avec des barrière(s) Référence 11223. Suivez les instructions d'installation

### □ BI-60-ST □ BI-60-SSL □ BI-60-SSR

EQUIPPED FOR -	□ Natural Gas/Gaz Naturel	□ Propane	- ÉQUIPÉ POUR
Input Rating	30,000 BTU/hr	34,000 BTU/hr	Debit Calorifique
Min. Input Rating	21,000 BTU/hr	25,000 BTU/hr	Puissance Minimum
Orifice - DMS	#49	#56	L'injecteur
Manifold Pressure	3.5" w.c. / 0.9kPa	10.0" w.c. / 2.5kPa	Press. A la tubulure
Min. Supply Pressure	5.5" w.c. / 1.4kPa	11.0" w.c. / 2.8kPa	Press. D'Arrivée Min.
Max Supply Pressure	10.0" w.c. / 2.5kPa	13.0" w.c. / 3.3kPa	Press. D'Arrivée Max.

For use only with barrier(s) Part No. 11218. Follow installation instructions.

A utiliser uniquement avec des barrière(s) Référence 11218. Suivez les instructions d'installation

### □ BI-72-ST □ BI-72-SSL □ BI-72-SSR

EQUIPPED FOR -	□ Natural Gas/Gaz Naturel	□ Propane	- ÉQUIPÉ POUR
Input Rating	34,000 BTU/hr	40,000 BTU/hr	Debit Calorifique
Min. Input Rating	27,000 BTU/hr	28,000 BTU/hr	Puissance Minimum
Orifice - DMS	#46	#55	L'injecteur
Manifold Pressure	3.5" w.c. / 0.9kPa	10.0" w.c. / 2.5kPa	Press. A la tubulure
Min. Supply Pressure	5.5" w.c. / 1.4kPa	11.0" w.c. / 2.8kPa	Press. D'Arrivée Min.
Max Supply Pressure	10.0" w.c. / 2.5kPa	13.0" w.c. / 3.3kPa	Press. D'Arrivée Max.

For use only with barrier(s) Part No. 11226. Follow installation instructions.

A utiliser uniquement avec des barrière(s) Référence 11226. Suivez les instructions d'installation

### MINIMUM CLEARANCES TO COMBUSTIBLE CONSTRUCTION DISTANCES MINIMALES PAR RAPPORT AUX MATERIAUX INFLAMMABLES

FIREPLACE SIDES	4" (102mm)	FOYER CÔTÉS
FIREPLACE TOP	4" (102mm)	FOYER TOP
FIREPLACE FLOOR*	1/2" (13mm)	FOYER DE CHAUSSEE*
FIREPLACE BACK (SINGLE SIDED)	2" (51mm)	FOYER RETOUR (UNIQUE CÔTÉ)
FIREPLACE BACK (SEE-THRU)	12" (305mm)	FOYER RETOUR (VOIR-PAR)
FIREPLACE FRONT	12" (305mm)	FOYER AVANT
CLEARANCE AROUND VENT PIPE	1.5" (38mm)	JEU AUTOUR VENT PIPE

\*1/2" non-combustible under fireplace floor must have R factor of no less than 1.0

\*13mm non-combustible sous cheminée plancher doit avoir facteur R de pas moins de 1.0

This product has been certified by PFS-TECO to ANSI Z21.88-2014 - CSA 2.33-2014 Vented Gas Fireplace Heaters, and CAN/CGA 2.17-M91 (2014), Gas-Fired Appliance For Use At High Altitudes. This appliance is equipped only for altitudes from 0-2000 feet (0-610m). In Canada 0-4500 feet (0-1370m). This appliance must be installed in accordance with local codes, if any; if none, follow the National Fuel Gas Code, ANSI Z223.1/NFPA 54, or Natural Gas and Propane Installation Codes, CSA-B149.1.

This appliance is for use only with the type of gas indicated on the rating plate. This appliance may be installed in an aftermarket, permanently located manufactured home (USA only) or in a mobile home, where not prohibited by local codes. See Owner's Manual for details.

This appliance is not field convertible for use with other gases, unless a certified conversion kit is used.

This appliance may be recessed 12.5 inches within combustible construction.

This appliance may be installed with a combustible mantle of no more than 12 inches deep at a minimum of 14.25 inches above the fireplace opening.

NOT FOR USE WITH GLASS DOORS.

HRD-750 - Heat Redistribution Blower Kit may be used with this appliance.



Manufactured by:  
Progressive Manufacturing Inc.  
452 Sunapee Street  
Newport, NH 03773  
U.S.A.

## SÓLAS DIRECT VENT GAS FIREPLACES

**CAUTION:** HOT WHILE IN OPERATION. DO NOT TOUCH, SEVERE BURNS MAY RESULT. KEEP CHILDREN, CLOTHING, FURNITURE, GASOLINE, AND OTHER LIQUIDS HAVING FLAMMABLE VAPORS AWAY.

**CAUTION:** Do not operate the appliance with the glass removed, cracked, or broken. Replacement of the glass panel(s) should be done by a licensed or qualified service person. See the Owner's Manual.

**CAUTION:** Label all wires prior to disconnection when servicing. Wiring errors can cause improper and dangerous operation. Verify Proper operation after servicing.

Electrical rating - Total input of all components is less than 2.5 amperes.

**WARNING:** Improper installation, adjustment, alteration, service, or maintenance can cause injury or property damage. Refer to the owner's information manual provided with this appliance. For assistance or additional information, consult a qualified installer, service agency, or the gas supplier.

This appliance must be properly connected to a venting system in accordance with the manufacturer's installation instructions.

Keep burner and control compartments clean. See installation and operating instructions accompanying appliance.

This vented fireplace is not for use with air filters.

Ce produit a été testé et répertorié PFS TECO conformément au ANSI Z21.88-2014 - CSA 2.33-2014, CAN/CGA 2.17-M91 (2014), et CSA P.4.1-09. Cet appareil peut être utilisé à des altitudes comprises entre 0 et 610m (0 et 2000 pieds) (E.U. seulement) ou entre 0 et 1370m (0 et 4500 pieds) (Canada seulement) sans modification. Installez l'appareil selon les codes ou règlements, ou dans l'absence de tels règlements, selon les codes d'installation, ANSI Z223.1 National Fuel Gas Code, ou CSA-B149.1 en vigueur. Cet appareil doit être correctement raccordé à un système d'évacuation conformément aux instructions du fabricant.

Cet appareil peut être installé dans une maison préfabriquée (E.-U. seulement) ou mobile déjà installée à demeure si les règlements locaux le permettent. Voir la notice de l'utilisateur pour plus de renseignements. Cet appareil doit être utilisé uniquement avec les types de gaz indiqués sur la plaque signalétique. Cet appareil ne peut pas être utilisé avec d'autres gaz sauf si une trousses de conversion certifiée est fournie.

Cet appareil peut être encastré 318mm au sein de construction combustible.

Cet appareil peut être installé avec un manteau combustible de pas plus de 305mm de profondeur à un minimum de 362 au-dessus de l'ouverture du foyer.

NE PAS UTILISER AVEC PORTES EN VERRE

HRD-750 - Heat Redistribution Blower Kit peut être utilisé avec cet appareil.

**ATTENTION:** L'appareil est chaud lorsqu'il fonctionne. Ne pas toucher l'appareil. Risque de brûlures graves surveiller les enfants. Garder les vêtements, les meubles, l'essence ou autres liquides produisant des vapeurs inflammables loin de l'appareil.

**AVERTISSEMENT:** Une installation, un réglage, une modification, une réparation ou un entretien mal effectué peut causer des dommages matériels ou des blessures. Voir la notice de l'utilisateur qui accompagne l'appareil. Pour de l'aide ou des renseignements supplémentaires, consultez un installateur, un technicien agréé ou le fournisseur de gaz.

**ATTENTION:** Avant de le faire des réparations, marquez tous les fils avant de les débrancher. Les erreurs avec le circuit électronique peuvent causer des fonctionnements dangereux et incorrects.

**ATTENTION:** Ne pas utiliser l'appareil si le panneau frontal en verre n'est pas en place, est craqué ou brisé. Confiez le remplacement de panneau à un technicien agréé.

S'assurer que le brûleur et le compartiment des commandes sont propres. Voir les instructions d'installation et d'utilisation qui accompagnent l'appareil.

Ne pas utiliser de filtre à air avec ce foyer au gaz évacuation.



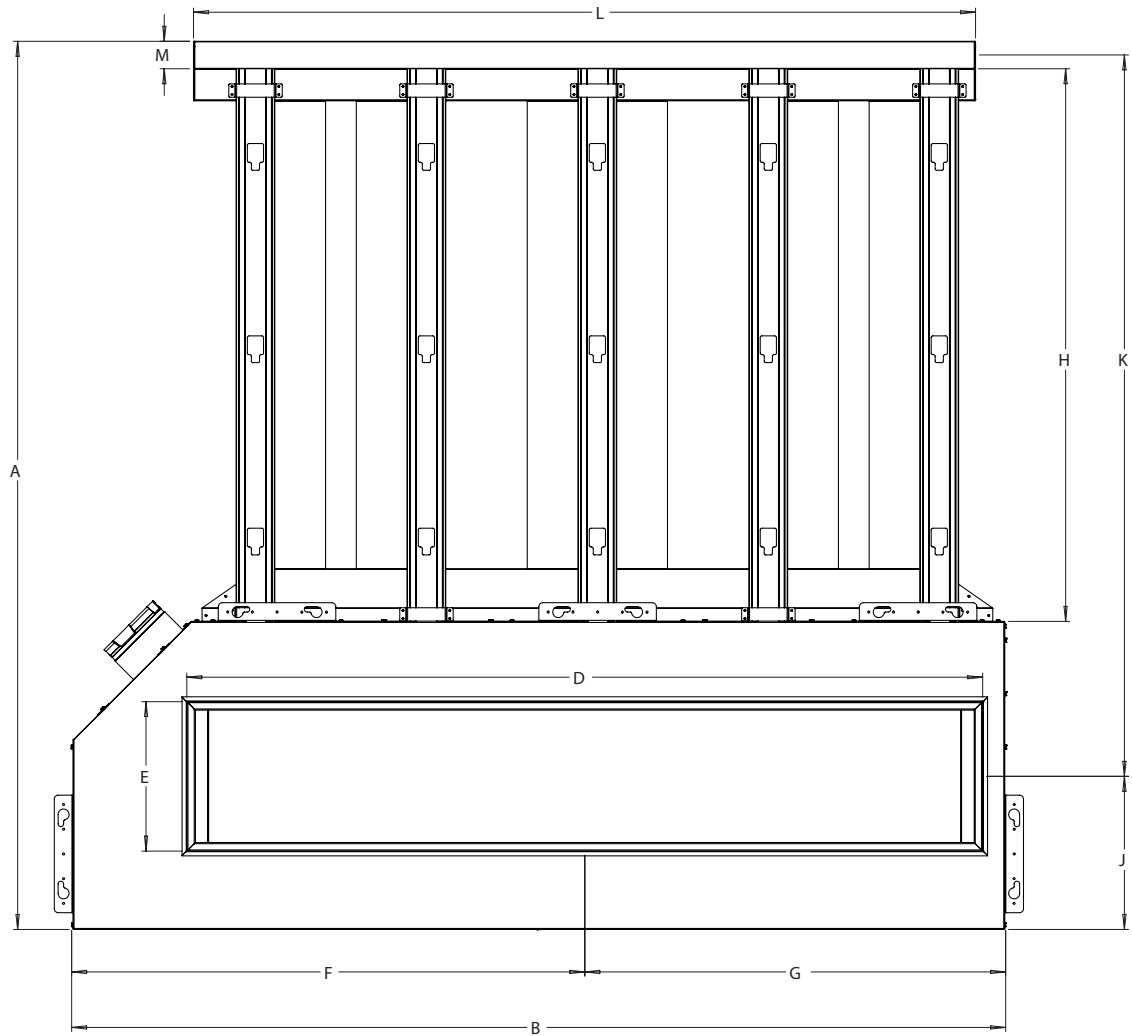
FABRIQUÉ PAR:  
Progressive Manufacturing Inc.  
452 Sunapee Street  
Newport, NH 03773  
U.S.A.

\*Rating Label (affixed to Control Panel within Firebox)

## SPECIFICATIONS

### NOTE:

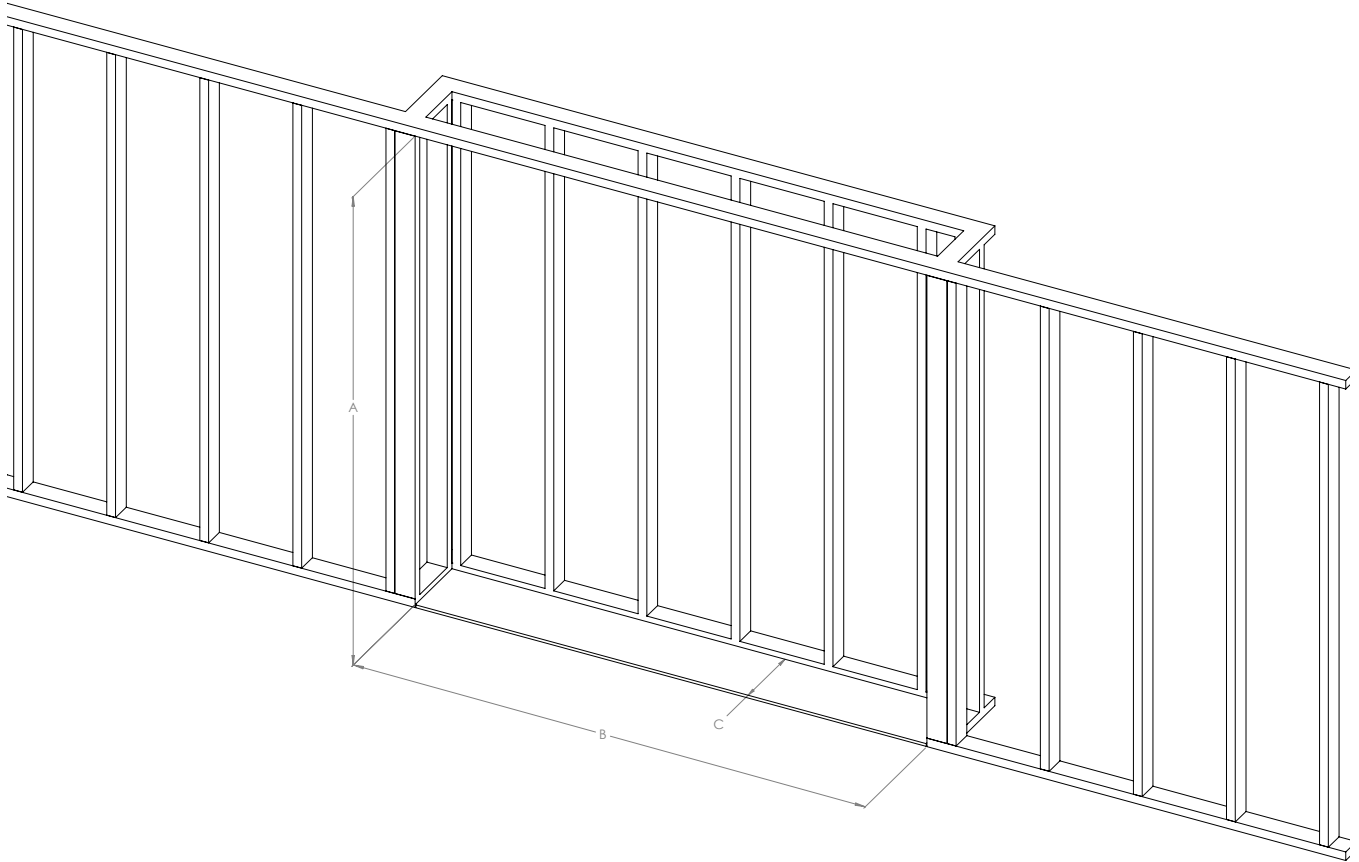
Clearances below are only applicable when unit is installed with a SÓLAS Cool Zone Kit. For clearances without Cool Zone, refer to the standard product manual.



## COOL ZONE KIT DIMENSIONS

DIMENSION	DIMENSION DESCRIPTION	FORTY8	SIXTY0	SEVENTY2
A (MIN)	Minimum Fireplace Cavity Height	61.50" (1,562mm)	61.50" (1,562mm)	61.50" (1,562mm)
A (MAX)	Maximum Fireplace Cavity Height	175.50" (4,458mm)	175.50" (4,458mm)	175.50" (4,458mm)
B	Fireplace Cavity Width	64.00" (1,626mm)	74.00" (1,880mm)	88.00" (2,235mm)
C	Fireplace Cavity Depth	12.00" (305mm)	12.00" (305mm)	12.00" (305mm)
D	Glass Viewing Area Width	50.50" (1,283mm)	60.50" (1,537mm)	74.50" (1,892mm)
E	Glass Viewing Area Height	14.00" (356mm)	14.00" (356mm)	14.00" (356mm)
F	LH Side to Center of Viewing Area	35.13"	40.63"	48.25"
G	RH Side to Center of Viewing Area	28.88"	33.38"	39.75"
H (MIN)	Minimum Steel Stud Length	30.00" (762mm)	30.00" (762mm)	30.00" (762mm)
H (MAX)	Maximum Steel Stud Length	96.00" (2,438mm)	96.00" (2,438mm)	96.00" (2,438mm)
J	Floor to Centerline of Viewing Area	14.38" (365mm)	14.38" (365mm)	14.38" (365mm)
K (MIN)	Minimum Centerline of Viewing Area to Centerline of Cool Zone Plenum Outlet	45.75" (1,162mm)	45.75" (1,162mm)	45.75" (1,162mm)
K (MIN)	Maximum Centerline of Viewing Area to Centerline of Cool Zone Plenum Outlet	111.75" (2,838mm)	111.75" (2,838mm)	111.75" (2,838mm)
L	Cool Zone Plenum Width	49.25" (1,251mm)	59.50" (1,511mm)	73.25" (1,861mm)
M	Cool Zone Plenum Height	2.63" (66mm)	2.63" (66mm)	2.63" (66mm)

## CLEARANCE TO COMBUSTIBLES



### COOL ZONE COMBUSTIBLE STUD DIMENSIONS

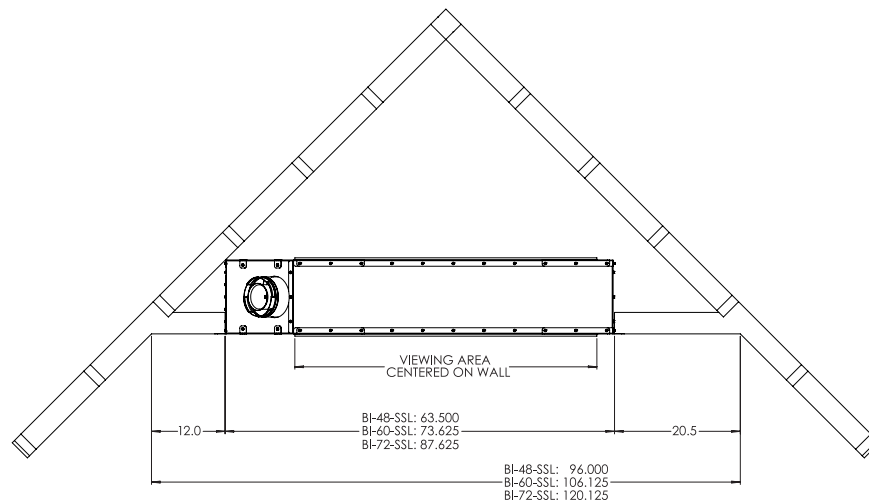
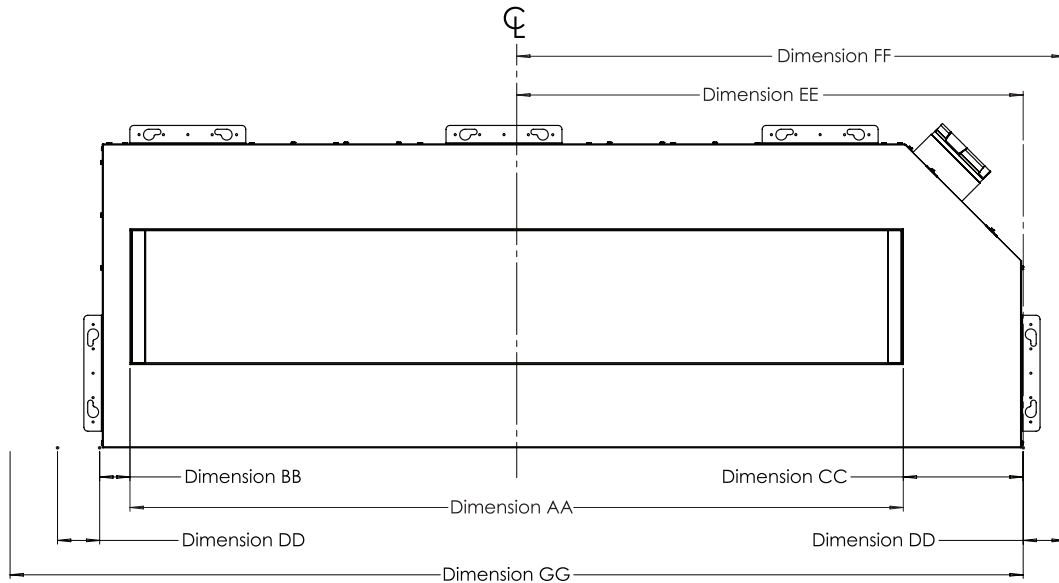
DIMENSION	DIMENSION DESCRIPTION	FORTY8	SIXTY0	SEVENTY2
A (MIN)	Minimum Fireplace Cavity Height	61.50" (1,562mm)	61.50" (1,562mm)	61.50" (1,562mm)
A (MAX)	Maximum Fireplace Cavity Height	175.50" (4,458mm)	175.50" (4,458mm)	175.50" (4,458mm)
B	Fireplace Cavity Width	64.00" (1,626mm)	74.00" (1,880mm)	88.00" (2,235mm)
C	Fireplace Cavity Depth	12.00" (305mm)	12.00" (305mm)	12.00" (305mm)

- 1.50" (38mm) clearance to combustibles is required around the outer diameter of the flue pipe.
- The floor the fireplace immediately rests on must be constructed of non-combustible material with an R factor of at least .37, with a minimum thickness of ½" (13mm).
- This framing guide is just an example of the many ways in which a SÓLAS Fireplace can be installed. You may need to customize this framing design to allow for things such as doors, windows, countertops, structural frame members or local code requirements.
- The sheet metal face of this fireplace must be covered by a finishing material, it may not be left exposed. Combustible finishing materials are permitted.
- All wiring or conduit must be a minimum of 12" (308mm) from top of fireplace and 1.5" (38mm) from Cool Zone Flex Pipe.

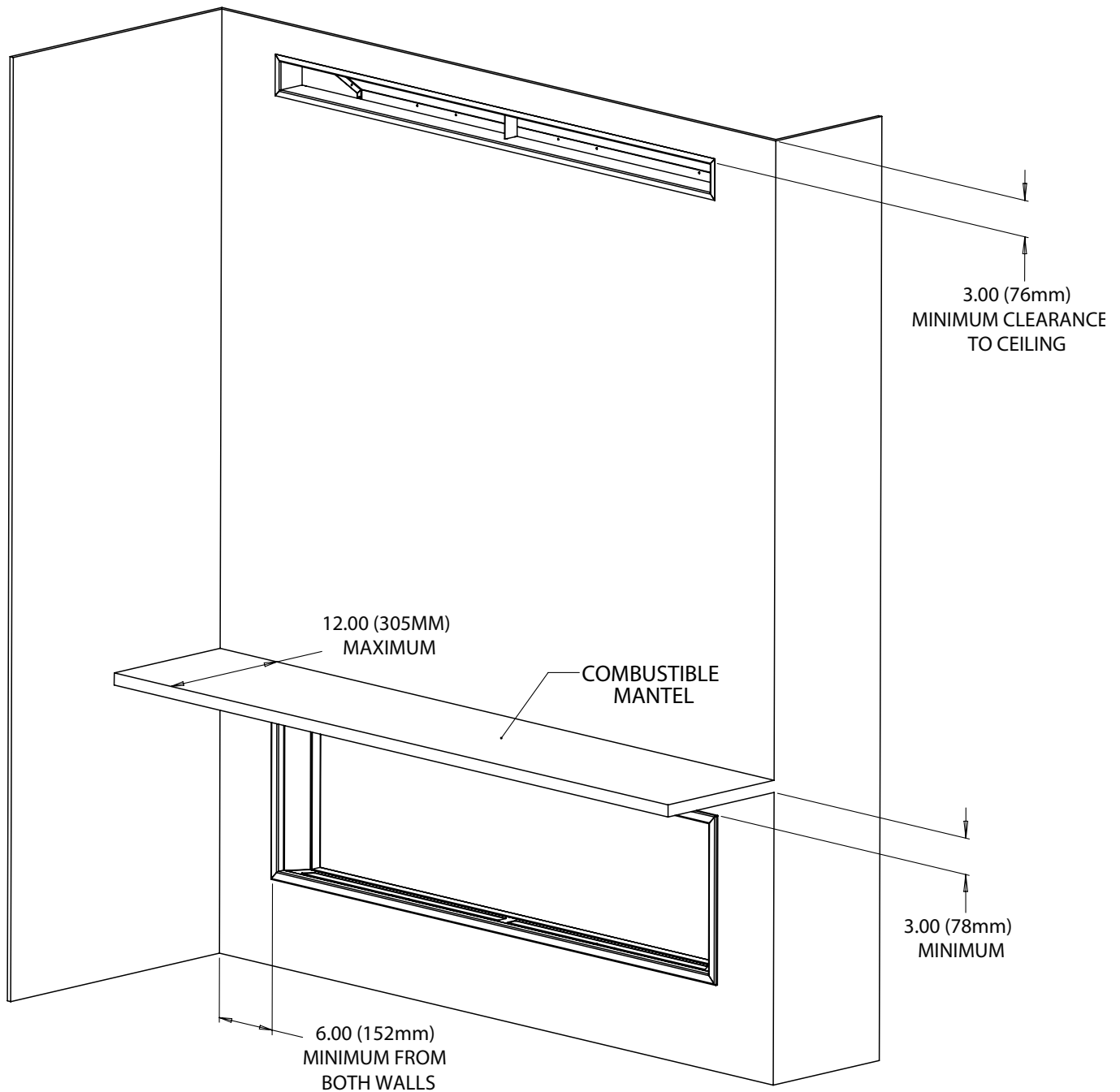
## CENTERING DIMENSIONS FOR COOL ZONE

Clearances to Combustibles: Top and Sides: 4", Bottom: ½" Please note: Single sided models can be ordered with left or right side venting **READ INSTALLATION MANUAL BEFORE INSTALLATION**

Dimension	Dimension Description	FORTY8	SIXTY0	SEVENTY2
"AA"	Viewing Area	49.25" (1,251mm)	59.25" (1,505mm)	73.25" (1,861mm)
"BB"	Non-flue side spacing	2.70" (69mm)	2.70" (69mm)	2.70" (69mm)
"CC"	Flue side spacing	11.30" (287mm)	11.30" (287mm)	11.30" (287mm)
"DD"	Non-combustible requirement, side	4.00" (102mm)	4.00" (102mm)	4.00" (102mm)
"EE"	Distance required to center viewing area	35.93" (913mm)	40.93" (1,040mm)	47.93" (1,217mm)
"FF"	Distance required to center viewing area, including non-combustible requirement	39.93" (1,014mm)	44.93" (1,141mm)	51.93" (1,319mm)
"GG"	Minimum wall space required to center viewing area	71.85" (1,825mm)	81.85" (2,079mm)	95.85" (2,435mm)



## CLEARANCE TO COMBUSTIBLES



### WARNING

Follow these instructions carefully to ensure safe installation. Failure to follow instructions exactly can create a fire hazard. Failure to do so could result in serious injury, property damage, or loss of life. Operation of improperly installed or maintained venting system could result in serious injury, property damage, or loss of life.

### ATTENTION:

Before proceeding with your installation, determine if you plan to use either the Self-Calibrating Power Vent Kit, Cool Zone Kit, or the Heat Redistribution Kit. Read the manual for these optional components before proceeding with your installation, as your installation requirements and procedure may change.

- The combustible area above the viewing area must not protrude more than  $\frac{3}{4}$  (19mm) from the facing; if it does, it is considered a mantel and must meet the mantel requirements above.

## INSTALLATION INFORMATION

### **WARNING**

Read all instructions completely and thoroughly before attempting installation. Failure to do so could result in serious injury, property damage, or loss of life. Operation of improperly installed or maintained venting system could result in serious injury, property damage, or loss of life.

**NOTE:** Any electrical wiring, gas plumbing, or vent installation required by the appliance must be done prior to final finishing. The unit shall be test burned on high for at least 30 minutes prior to final finishing to confirm proper operation. Failure to test the appliance before final finishing may require significant and costly reconstruction .

### **INSTALLATION PRECAUTIONS:**

Consult local building codes before beginning the installation. The installer must make sure to select the proper vent system for installation. Before installing the vent kit, the installer must read this fireplace manual and vent kit instructions. Only a qualified, licensed, installer/service person shall install the venting system. The installer must follow the following safety rules:

- Wear gloves and safety glasses for protection.
- Use extreme caution when using ladders or when on rooftops.
- Be aware of electrical wiring locations in walls and ceilings.

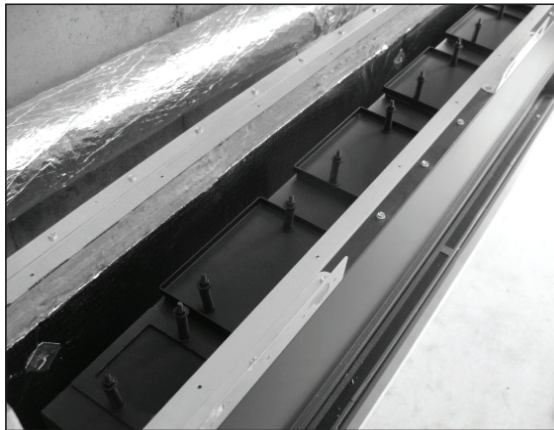
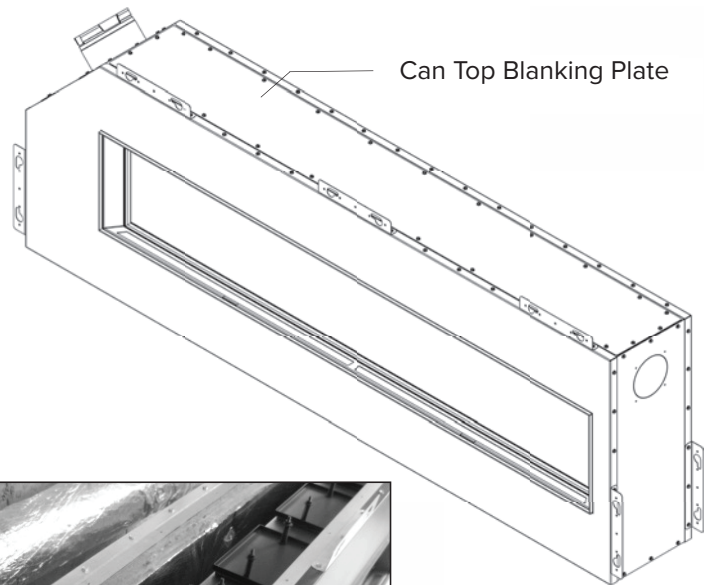
**NOTICE:** Failure to follow these instructions will void the warranty.



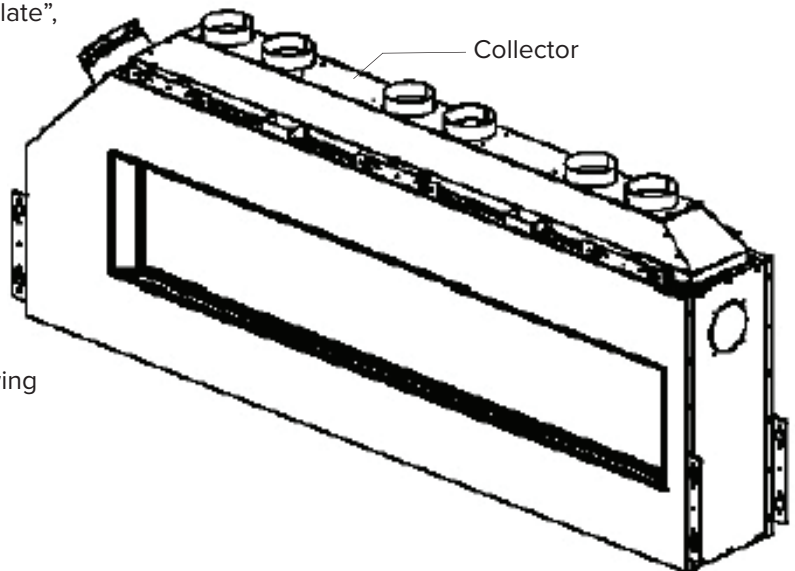
## INSTALLATION

1. Move the fireplace into its final position, the surface the fireplace immediately rests on must be constructed of non-combustible material with an R factor of at least .37, with a minimum thickness of  $\frac{1}{2}$ " (13mm). Remove the "Can Top Blanking Plate" by removing the #10 sheet metal screws using a  $\frac{5}{16}$ " nut driver. You will need these #10 sheet metal screws in step #2.

Using the utility knife provided, cut out insulation that is now exposed. The insulation should be removed in the same size as the opening below the "Can Top Blanking Plate." Cover newly exposed unfinished edge of insulation with foil tape provided with Cool Zone kit.



2. Install the "Collector" in place of the "Can Top Blanking Plate", secure using the #10 screws saved from step #1.



3. Remove the back of the double-sided tape and affix viewing area trim around the fireplace viewing area.

## INSTALLATION

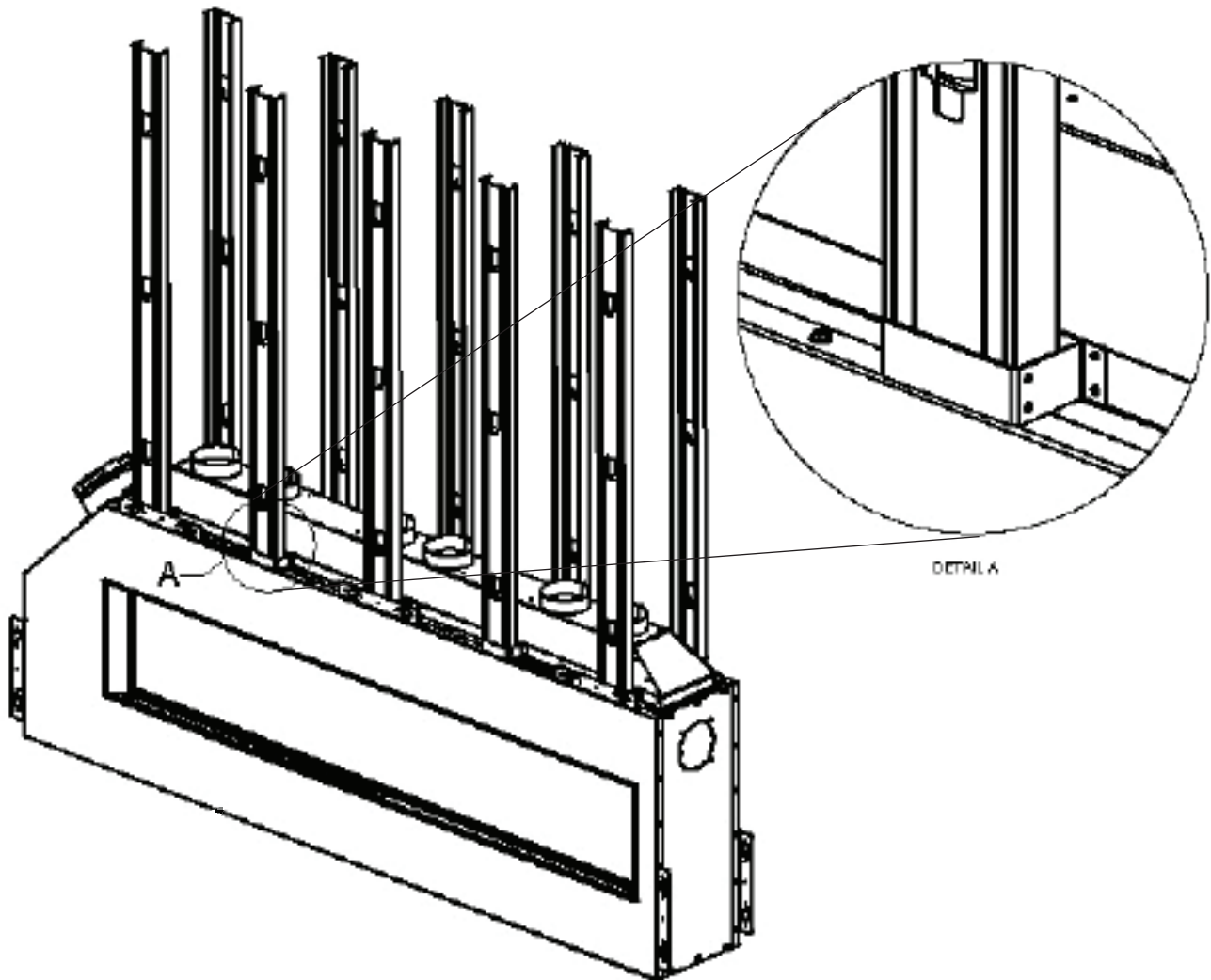
4. The 2x4 steel studs (not included) will be installed next. The stud length, dimensions “H” on page #10 can be calculated using either of the following equations:

English (inches):  $H = A - 31.375$

Metric (millimeters):  $H = A - 797$

\*Refer to page 11 for dimensions “A” and “H” referenced in the above equations.

5. Once the studs have been cut to length, insert the studs fully in the collector stud brackets as shown in “Detail A” above, secure with (4) #10 self-drilling sheet metal screws per stud.



## INSTALLATION

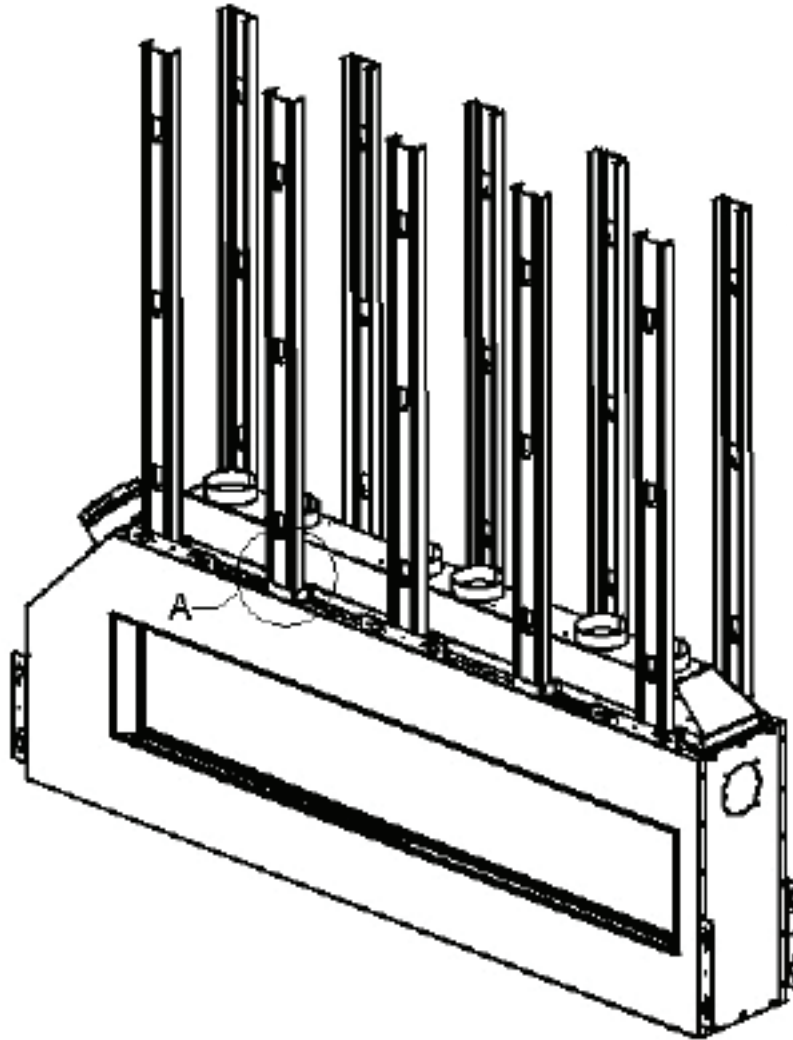
6. The 5" diameter flex duct will now be installed. The duct length can be calculated using either of the following equations:

**Duct Length Equation:**

English (inches): Duct Length =  $H - 23.75$

Metric (millimeters): Duct Length =  $H - 603$

\*Refer to step 3 for dimension "H" referenced in the above equations.



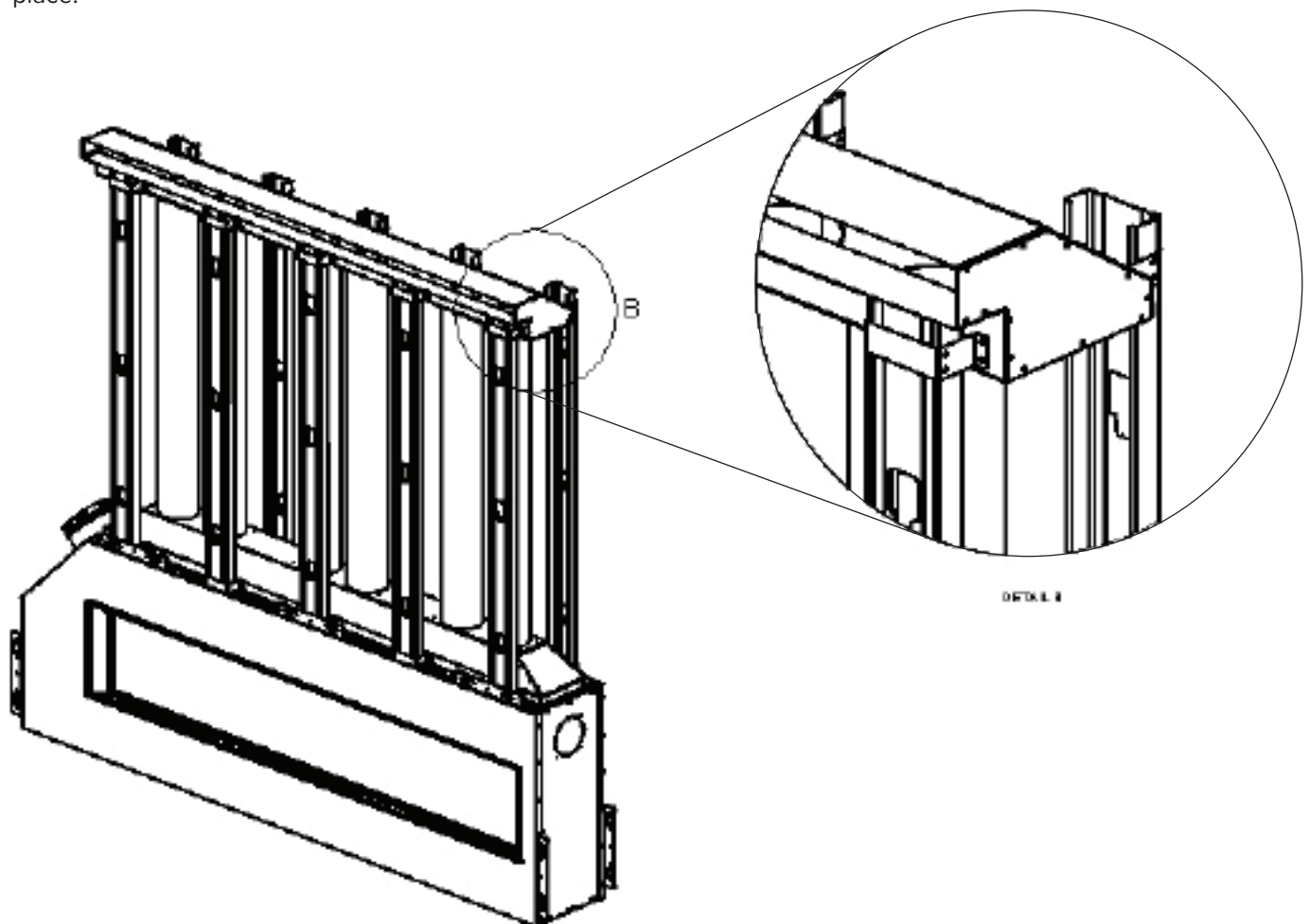
7. Once the duct length has been calculated, stretch the ducts to the length calculated in step #5 and secure to the collector using the 5" hose clamps provided.

## INSTALLATION INFORMATION

8. Install the plenum as shown below, the front studs will be inserted into the plenum stud brackets until they make contact with the plenum (as shown in "Detail B"). Secure the front studs to the plenum stud brackets using the (4) #10 self-drilling sheet metal screws per stud provided.
9. Once the front studs have been secured to the plenum, confirm that the plenum is level front to back and side to side. Once the plenum is level, secure the rear studs to the plenum stud brackets using the (4) #10 self-drilling sheet metal screws per stud provided.
10. Once the plenum has been installed, connect the ducts to the plenum and secure to the collector using the 5" hose clamps provided.
11. Once the unit has been enclosed within the wall the "Plenum Outlet Trim" will be press fit into the plenum outlet opening. Apply some high temperature RTV/silicone during the installation of the "Plenum Outlet Trim" to insure it is secured in place.

**NOTE:** DO NOT SCREW INTO THE FACE OF THE FIREPLACE.

**NOTE:** Prior to enclosing the wall cavity, test fire the fireplace to ensure it is fully operational.



# WARRANTY INFORMATION

## THE WARRANTY

SÓLAS, LLC, a division of Progressive Manufacturing, Inc. ("SÓLAS"), Limited Lifetime Warranty warrants your SÓLAS brand gas fireplace ("Product") to be free from defects in materials and workmanship at the time of manufacture. The Product body and firebox carry the Limited Lifetime Warranty on workmanship defects causing loss of structural integrity. Ceramic glass carries the Limited Lifetime Warranty against thermal breakage only. After installation, if covered components manufactured by SÓLAS are found to be defective in material or workmanship during the Limited Lifetime Warranty period and while the Product remains at the site of the original installation, SÓLAS will, at its option, repair or replace the covered components. If repair or replacement is not commercially practical, SÓLAS will, at its option, refund the purchase price or wholesale price of the SÓLAS product, whichever is applicable. SÓLAS will also pay their prevailing labor rates, as determined in its sole discretion, incurred in repairing or replacing such components during the warranty period. THERE ARE EXCLUSIONS AND LIMITATIONS to this Limited Lifetime Warranty as described herein.

## COVERAGE COMMENCEMENT DATE

Warranty coverage begins on the date of installation. The warranty shall commence no later than 24 months following the date of product shipment from SÓLAS, regardless of the installation date.

## EXCLUSIONS AND LIMITATIONS

This Limited Lifetime Warranty applies only if the Product is installed in the United States or Canada and only if operated and maintained in accordance with the printed instructions accompanying the Product and in compliance with all applicable installation and building codes and good trade practices.

This warranty is non-transferable and extends to the original owner only. The Product must be purchased through a listed supplier of SÓLAS and proof of purchase must be provided. The Product body and firebox carry the Limited Lifetime Warranty. The following do not carry the Limited Lifetime Warranty, but are warranted as follows:

- **Burner** – Repair or replacement for three years from date of installation.
- **Gas components & electrical components** – Repair or replacement for one year from date of installation.
- **Comfort Blowers & remote controls** – Repair or replacement for one year from the date of installation.
- **Porcelain Firebox Liners** – Replacement for one year against cracking or breakage due to thermal stress from date of installation. Excludes surface and hairline cracks and scratches or slight color changes that do not affect the operation or safety of the unit.
- **Gaskets** – Repair or replacement for one year from the date of installation.
- **Surrounds** – Replacement for one year against cracking or breakage due to thermal stress. Excludes surface and hairline cracks and scratches or slight color changes that do not affect the operation or safety of the unit.
- **Labor coverage** – Prevailing SÓLAS rates apply for the warranty period of the component. SÓLAS will not be liable for travel costs for service work.

SÓLAS will not be responsible for: (a) damages caused by normal wear and tear, accident, riot, fire, flood, or acts of God; (b) damages caused by abuse, negligence, misuse, or unauthorized alteration or repair of the Product affecting its stability or performance. The Product must be subjected to normal use. The product is designed to burn either natural or propane gas only. Burning conventional fuels such as wood, coal or any other solid fuel will cause damage to the Product, will produce excessive temperatures and could result in a fire hazard. (c) Damages caused by failing to provide proper maintenance and service in accordance with the instructions provided with the Product; (d) damages, repairs or inefficiency resulting from faulty installation or application of the Product.

Discoloration and some minor expansion, contraction, or movement of certain parts and resulting noise is normal and not a defect, and, therefore, not covered under warranty. The installer must ensure the appliance is burning as per the rating tag at the time of installation. Over-firing (operation above the listed BTU rate) of this appliance can cause serious damage and will nullify this warranty.

This warranty is void if:

- The unit has been operated in atmospheres contaminated by chlorine, fluorine or other damaging chemicals.
- The unit is subject to submersion in water or prolonged periods of dampness or condensation.
- Any damage to the unit, combustion chamber, heat exchanger or other components due to water or weather damage which is the result of, but not limited to improper chimney/venting installation.

Damage to stainless steel, gold, nickel or porcelain enameled surfaces caused by fingerprints, scratches, melted items, or other external sources left on these surfaces from the use of cleaners is not covered in this warranty.

SÓLAS is not responsible for inadequate fireplace system draft caused by air conditioning and heating systems, mechanical ventilation systems, or general construction conditions which may generate negative pressure in the room in which the appliance is installed. Additionally, SÓLAS assumes no responsibility for drafting conditions caused by venting configurations, adjoining trees or buildings, adverse wind conditions or unusual environmental factors and conditions that affect the operation of the unit.

This Limited Lifetime Warranty covers only parts and labor as provided herein. In no case shall SÓLAS be responsible for materials, components, or construction, which are not manufactured or supplied by SÓLAS or for the labor necessary to install, repair, or remove such materials, components, or construction. Additional utility bills incurred due to any malfunction or defect in equipment are not covered by this warranty. All replacement or repair components will be shipped F.O.B. from the nearest stocking SÓLAS facility.

## LIMITATION ON LIABILITY

It is expressly agreed and understood that SÓLAS' sole obligation and the purchaser's exclusive remedy under this warranty, under any other warranty, expressed or implied, or in contract, tort or otherwise, shall be limited to replacement, repair, or refund, as specified herein.

In no event shall SÓLAS be liable for any incidental or consequential damages caused by defects in the Product, whether such damage occurs or is discovered before or after repair or replacement, and whether such damage is caused by SÓLAS' negligence. SÓLAS has not made and does not make any representation or warranty of fitness for a particular use or purpose, and there is no implied condition of fitness for a particular purpose.

SÓLAS makes no expressed warranties except as stated in this Limited Lifetime Warranty. The duration of any implied warranty is limited to the duration of this expressed warranty.

No one is authorized to change this Limited Lifetime Warranty or to create for SÓLAS any other obligation or liability in connection with the Product. Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. The provisions of this Limited Lifetime Warranty are in addition to and not a modification of or subtraction from any statutory warranties and other rights and remedies provided by law.

## INVESTIGATION OF CLAIMS AGAINST WARRANTY

SÓLAS reserves the right to investigate any and all claims against this Limited Lifetime Warranty and to decide, in its sole discretion, upon the method of settlement.

To receive the benefits and advantages described in this Limited Lifetime Warranty, the appliance must be installed and repaired by a licensed contractor approved by SÓLAS.

Contact SÓLAS at the address provided herein to obtain a listing of approved dealers/distributors. SÓLAS shall in no event be responsible for any warranty work done by a contractor that is not approved without first obtaining SÓLAS' prior written consent.

## HOW TO REGISTER A CLAIM AGAINST WARRANTY

In order for any claim under this warranty to be valid, you must contact the SÓLAS dealer/distributor from which you purchased the product. If you cannot locate the dealer/distributor, then you must notify SÓLAS in writing. SÓLAS must be notified of the claimed defect in writing within 90 days of the date of failure. Notices should be directed to the SÓLAS Warranty Department. Visit our website at [www.solasfires.com/warranty](http://www.solasfires.com/warranty).

## SÓLAS, LLC

P (603) 298-5169  
F (603) 298-9246

[solasfires.com/warranty](http://solasfires.com/warranty)







We recommend that our gas hearth products be installed and serviced by professionals who are certified in the U.S. by the National Fireplace Institute® (NFI) as NFI Gas Specialists.  
[www.NFICertified.org](http://www.NFICertified.org)

### RECORD YOUR PRODUCT INFORMATION

Model #: \_\_\_\_\_ Serial Number: \_\_\_\_\_

Date Purchased: \_\_\_\_\_ Date Installed: \_\_\_\_\_

THANK YOU FOR CHOOSING  
**SÓLAS**

[solasfires.com](http://solasfires.com)

PROUDLY DESIGNED  
& BUILT IN THE

USA