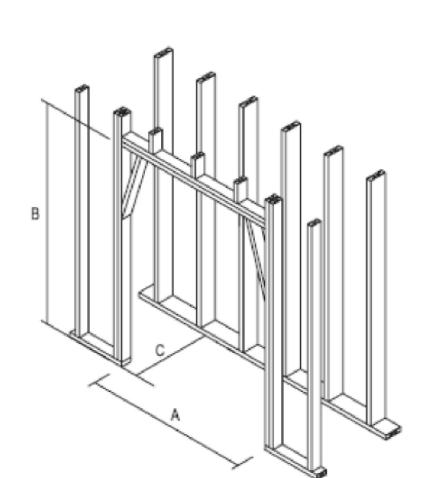


| PARTS LIST | | | | | | | | | |
|--|--------|--|--|--|--|--|--|--|--|
| PART NUMBER | QTY | DESCRIPTION | | | | | | | |
| 82L120 N/A | 1 1 | ISOKERN MAXIMUS LINEAR-120" 6"x6"x1/2" STEEL ANGLE (NOT PROVIDED BY EARTHCORE, MUST SOURCE LOCALLY) | | | | | | | |
| ISF96LB (N/P) GFK-120 | 1 | 96" LINEAR BURNER ASSEMBLY AND VALVE/CONTROLS (N: NATURAL GAS/ P: PROPANE) GLASS-FRONT KIT 120" | | | | | | | |
| 12MDD | 1 | METAL- FAB 12" B-VENT DOWN DRAFT DIVERTER | | | | | | | |
| XV-MERDML | 1 | X-VENTISO-MERIDIAN MAX LINEAR FAN SYSTEM (CONSISTS OF THE FOLLOWING:) X-VENTISO-MERIDIAN-350 FAN (XV-MERD-350) X-VENTISO-350 FAN RAIN CAP (XV-350RC) X-VENTISO-12" PIPE ADAPTER FOR 350 FAN (XV-350ADP12) X-VENTISO-MERIDIAN DAMPER ASSEMBLY (XV-MERD-DAMP) X-VENTISO-MERIDIAN ROOM PRESSURE PROBE/ COVER PLATE, STACK PRESSURE PROBE, TUBING (XV-MERD-PRESSKIT) X-VENTISO-MERIDIAN CONTROL PANEL (XV-MERD-CTLR) | | | | | | | |
| | | | | | | | | | |
| | | <u>GENERAL NOTES</u> | | | | | | | |
| THE ISOKERN 120" MAXIMUS LINEAR FIREPLACE IS A TOP-VENTED, GAS ONLY FIREPLACE THAT IS APPROVED FOR USE ONLY WITH THE ISOFLAMES LINEAR BURNER SYSTEM AS SHOWN IN THIS DRAWING (ISF96LENP). USAGE OF ANY OTHER BURNER IN THIS IREPLACE IS PROHIBITED AND WILL ASOLVE EARTH-CORE/ISOKERN OR ANY DIVISION THEREOF FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXPENSES ARISING OUT OF THE USE OF THIS FIREPLACE. THIS FIREPLACE IS BURNER SYSTEM (ISF96LB NP) COMES WITH A GAS CONTROL VALVE ASSEMBLY (E-VK(NP))THAT INCLUDES AN AUTOMATIC DRAFT AND SAFETY SYSTEM. THIS APPLIANCE IS ONLY FOR USE WITH THE TYPE OF GAS INDICATED ON THE BURNER RATING PLATE. VERIFY GAS SUPPLY AND BURNERY VALVE ARE OF SAME TYPE PROFE TO INSTALLATION. THE EXHAUST FLUE GASES ARE TO BE VENTED THROUGH THE TOP OF THE UNIT WITH 12" METAL-FAB UL LISTED B-VENT PIPING WITH DOWN-DARFT DIVETTER. THIS TWELVE INCI. (12") DIAMETER, DOUBLE WALL E-VENTING SYSTEM IS NOT SUPPLIED BUT IS REQUIRED FOR PROPER OPERATION. THE CLASS-FRONT VERSION OF THE 12" MAXIMUS LINEAR IS ACHIEVED BY INSTALLATION OF THE GLASS-FRONT KIT THAT MATCHES YOUR FIREPLACE MODEL (GFK120). GLASS FRONT KIT SHALL BE INSTALLED AS DETAILED IN THE INSTRUCTION MANUAL. NOT REPRESENTED ON THIS DRAWING, BUT MANDATORY FOR OPERATION. ARE TWO 64" COOLING AIR KITS. THIS AIR KITS ARE PART OF THE GLASS-FRONT KIT AND ARE UTILIZED TO PROVIDE COOLING AIR TO THE GLASSCOOLING AIR KITS SHALL ORIGINATE FROM OUTSIDE AIR. NOT REPRESENTED ON THIS DRAWING, BUT MANDATORY FOR OPERATION. AND THOSE OF THE OPEN-FRONT SHALL APPLY: INIT FRONT.0" OMBUSTIBLE SHERE SIFEPLACE: SHALL BE INSTALLED WITH THE MINIMUM CLEARANCES TO COMBUSTIBLES AS LISTED BELOW. WARNING: DO NOT OPERATE A FIREPLACE EQUIPPED WITH GLASS-FRONT TO' SIDES AND REAR: 1.5" INIS MALL ORIGINATE FROM OUTSIDE AIR. INIS MALL ORIGINATE FROM OUTSIDE AIR. INIS MALL ORIGINATE FROM OUTSIDE AIR. INIS TALED HINIS WALLO | | | | | | | | | |
| | | ISOMETRIC VIEW (N.T.S.) | | | | | | | |
| ISOMETRIC VIEW (N.T.S.) | | | | | | | | | |
| CEPTHO Industries | | UNSPECIFIED THIRD ANGLE DESCRIPTION: TOLERANCES PROJECTION FIREPLACE CONSTRUCTION DOCUMENT W/ X-VENTISO-MERIDIAN | | | | | | | |

Rough Framing Dimensions



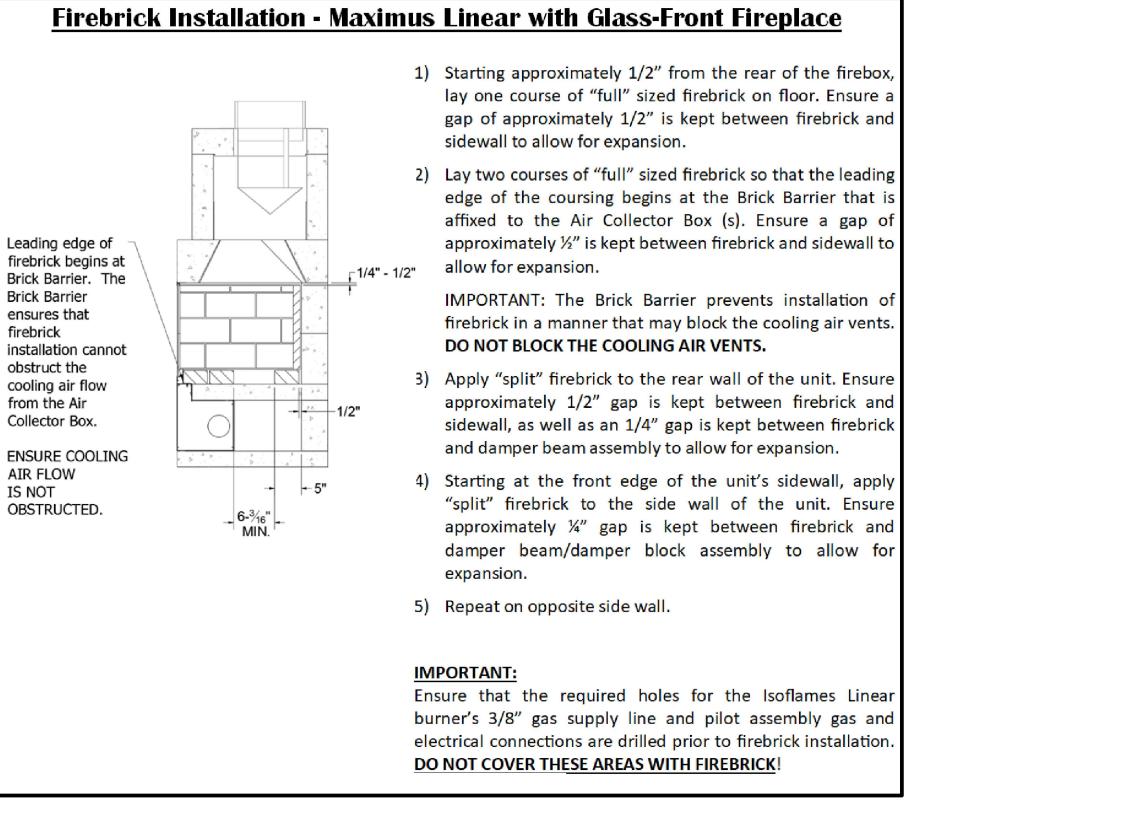
| TYPICAL INSTALLATION FRAMING DIMENSIONS | | | | | | | | |
|---|------------------|-------------------|------------------|--|--|--|--|--|
| Model # | A - Width | B - Height | C - Depth | | | | | |
| 82L48 | 56″ | 64-1/2" | 29-1/2" | | | | | |
| 82L60 | 77" | 64-1/2" | 29-1/2" | | | | | |
| 82L72 | <mark>89″</mark> | 64-1/2" | 29-1/2" | | | | | |
| 82L96 | 112″ | 64-1/2" | 29-1/2" | | | | | |
| 82L120 | 135″ | 64-1/2" | 29-1/2" | | | | | |

NOTES:

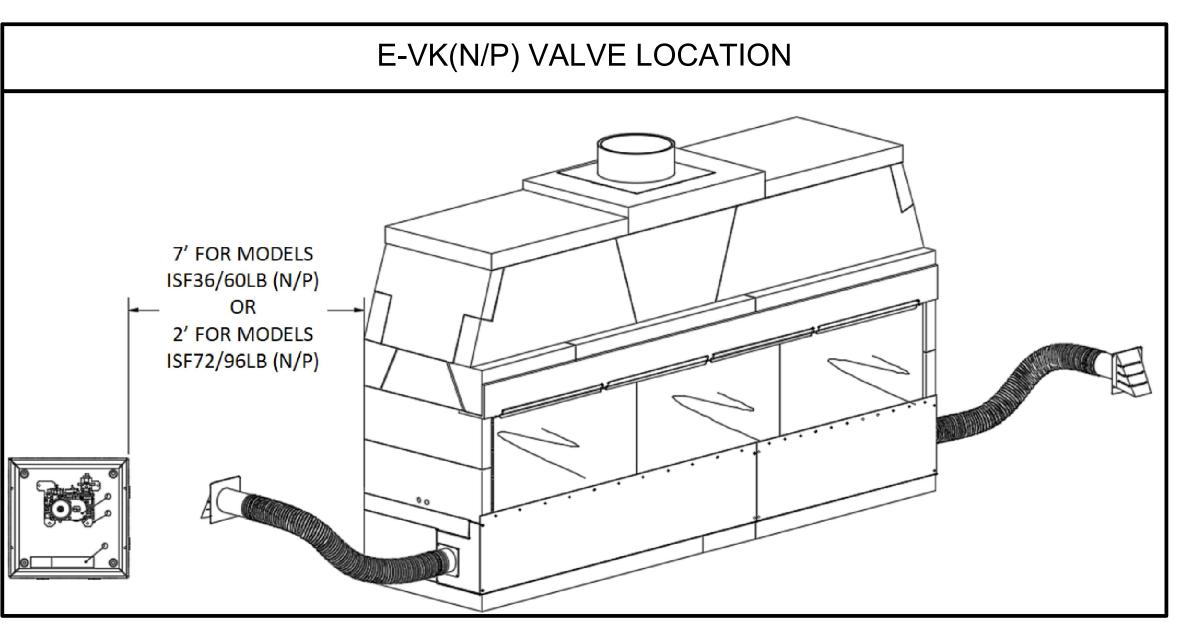
1) "B" includes the required 3" thick base plate.

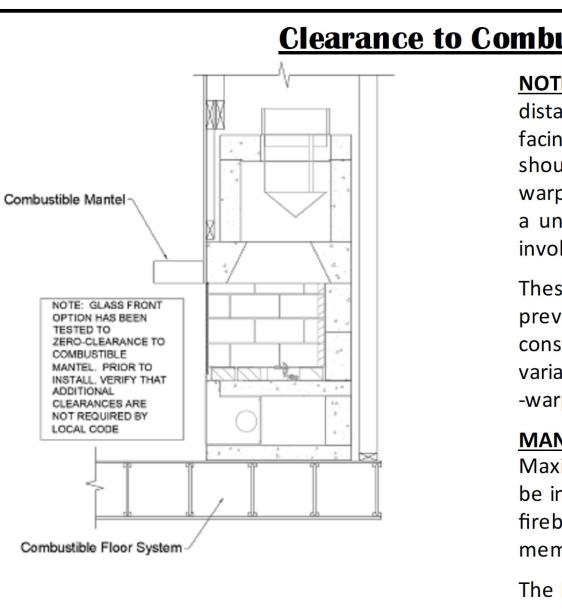
- 2) If the Maximus Linear installation is to be elevated, this "Raised hearth" installation will require additional rough opening height at **"B"** that is equal to the height of the raised hearth.
- 3) Rough framing dimension for depth "C" allows for the required 1-1/2" clearance at the back of the fireplace. Note that this 29-1/2" is typically used on interior walls that do not have insulation present.

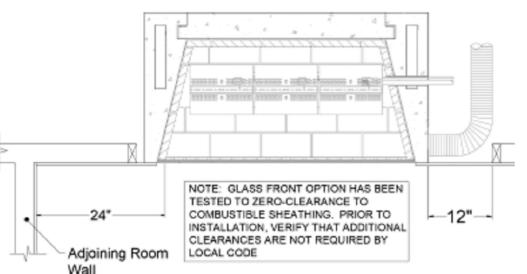
IMPORTANT: Unless the insulation on an exterior wall is installed behind plywood sheathing, a depth of 31" is often used to account for the required 3" clearance to insulation. Even with this increased distance, the installer should be aware that spray foam insulation may expand past the face of the stud wall and will require trimming prior to firebox installation to maintain the required 3" clearance. It is important that any insulation that is not installed behind sheathing shall be installed in such a manner that it cannot fall on the firebox and encroach on this clearance.

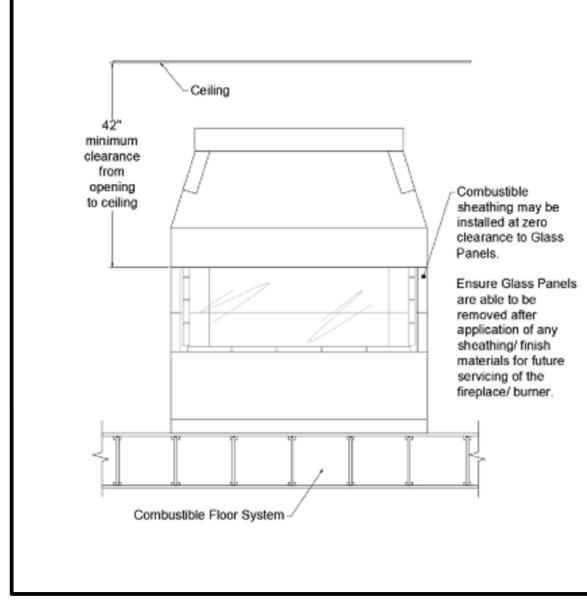


| PFS REPORT NO. F19 - 161 | E (LP) OR NATURAL GAS, SEE GAS IDENTIFYI | | _ |
|--|---|--|----------------------------|
| 82L48 NATURAL | | | L60 82L96 |
| | L GAS MAX BTU 54,000; PROPANE MAX E L GAS MAX BTU 72,000; PROPANE MAX E L GAS MAX BTU 90,000; PROPANE MAX E L GAS MAX BTU 108,000; PROPANE MAX | 3TU 48,000 3TU 64,000 3TU 80,000 | ■ 82L120 |
| B2L120 NATURA | AL GAS MAX BTU 110,000; PROPANE MA | X BTU 105,000 | |
| PROPAN | MISSIBLE GAS SUPPLY PRESSURE FOR PURPOSE NE (LP): 11" WATER COLUMN; NATURAL GAS: 5" | WATER COLUMN | Ŀ |
| LECTRICAL RATING: | CLEARANCE TO COMBUSTIBLES: | Open Front Only | Glass Front Only |
| | CLEARANCE TO COMBUSTIBLES: UNIT FRONT | Open Front Only = 0in | Glass Front Only = 0in |
| UNIT: ELECTRONIC | | | |
| UNIT: ELECTRONIC | UNIT FRONT | = 0in | = 0in |
| UNIT: ELECTRONIC I PH 50 HZ | UNIT FRONT UNIT SIDES AND REAR | = 0in = 1.5in. | = 0in = 1.5in. |
| JNIT: ELECTRONIC I PH 50 HZ 120 VOLTS LESS THAN 5 AMPS | UNIT FRONT UNIT SIDES AND REAR COMBUSTIBLE SHEATHING ABOVE OPENING | = 0in = 1.5in. = 8in | = 0in = 1.5in. = 0in |









NOTE: "Clearance to Combustible Trim" are those distances required to ensure that a fireplace mantel or facing will not catch fire. In most cases the distances should also be adequate to prevent any discoloration or warping due to heat. However, each installation presents a unique and completely different set of circumstances involving many variables.

These variables include paint or finish composition, previous exposure to heat, methods and quality of construction, air flow patterns, etc. Because of these variables, the manufacturer does not guarantee that heat -warping or discoloration will never occur.

MANTEL AND MANTEL SHELF CLEARANCES:

Maximus Linear with Glass Fronts units are designed to be installed so that the rough front face(s) of the Isokern firebox and sits flush with the face of the rough framing members that create the room wall finish.

The Maximus Linear with Glass Front has been tested to zero-clearance to combustible mantel and sheathing. The zero-clearance rating requires the glass panels to be installed during fireplace operation. Do not operate with the glass panels removed. Prior to installation, verify that additional clearances are not required by local code.

ADJOINING WALLS:

It is recommended that adjoining room walls to the Isokern fireplace installation not be closer than twentyfour inches (24") to the finished fireplace opening.

CEILINGS:

The minimum clearance from the top of the fireplace opening to a ceiling is forty-two inches (42").

SCAN QR CODE FOR LATEST **INSTALLATION MANUALS**



Clearance to Combustible Trim

Maximus Linear Series (Gas Only) Specifications

MANUFACTURER:

ISOKERN Fireplace and Chimney Systems, North America distribution by Earthcore Industries, LLC, Jacksonville, Florida (Telephone 800-642-2920)

PRODUCT DESCRIPTION:

Modular refractory masonry precast fireplace and chimney system.

- 1. Designed for field assembly as a fireplace and B-vent chimney system
- 2. All interlocking parts necessary for assembly of a complete firebox, smoke dome, and Glass-Front Kit (Glass-Front Kit is installation option of the Maximus Linear series and is not required for all installations).
- 3. Isoflames Linear Burner and Valve system (per installation manual)
- 4. 12" B-vent chimney flue (per installation manual)
- 5. Mechanical draft system (per installation manual)

MATERIALS:

- A. Light weight concrete of a proprietary mixture of Icelandic volcanic aggregate and aluminum cement for precast firebox, chimney block and flue liner components. 1. Compressive Strength: Firebox Block: 972 psi.
- B. Premixed (dry) EARTHCORE ADHESIVE.
 - 1. Tensile strength: 807 psi; Compressive strength: 2460 psi.
 - 2. Tested per ASTM C109, ASTM C307, and ANSI 118.4.
- C. Standard 1-1/8" high temperature refractory brick to line firebox interior walls.
- D. Standard 2-1/2" high temperature refractory brick to line firebox floor.

INSTALLATION:

- A. Reference manufacturer's installation instructions for standard configurations, weights, sizes and installation details
- B. Suitable masonry foundation or structural wood floor system must be provided.
- C. Non combustible hearth extensions must be provided.
- D. Unit to be assembled on site per manufacturer's illustrated instructions.
 - . Premixed EARTHCORE ADHESIVE is used at all joints between components.
 - 2. Firebox to be lined with a minimum 1-1/8" rated firebrick on the walls and 2-1/2" rated
 - firebrick on floor (trough created in firebrick floor for Isoflames Linear Burner installation). 3. A 1-1/2" minimum clearance to combustible materials is required for firebox side and back-walls.
 - 4. A 3" minimum clearance to insulation required.
- E. Shall be installed only with the approved Isoflames Linear Burner and Valve System as detailed in the instruction manual.
- F. Installation must use 12" B-vent pipe as detailed in the instruction manual (Anchor Plate with Down-Draft Diverter required).
- G. Only approved mechanical draft systems shall be utilized, as detailed in the instruction manual.

CERTIFICATION:

- A. PFS Corporation, PFS Report No. F19-161
- B. Meets or exceeds ANSI Z 21.50-2014, CSA 2.22-2014

CODE COMPLIANCE:

A. ICC NO. ESR 4873

NOTE: Isokern components are a natural material and slight variations in dimensions may occur. These should be no more than $1/8^{\circ}$.

WEIGHTS AND LOAD CALCULATIONS

Total dead load amounts include (but are not necessarily limited to) the following items and their corresponding weight estimates as listed below:

- 1) Isokern Maximus Linear w/ Glass Front unit weights:
 - a) Maximus Linear w/ Glass Front 48: 1,652 lbs. (no burner, flue, accessories)
 - b) Maximus Linear w/ Glass Front 60: 2,204 lbs. (includes steel angle; but no burner, flue, accessories)
 - c) Maximus Linear w/ Glass Front 72: 2,578 lbs. (includes steel angle; but no burner, flue, accessories)
 - d) Maximus Linear w/ Glass Front 96: 3,132 lbs. (includes steel angle; but no burner, flue, accessories)
 - e) Maximus Linear w/ Glass Front 120: 3,844 lbs. (includes steel angle; but no burner, flue, accessories)
- 2) Approximate weight of glass media: 100 lbs.
- 3) Fire brick and Adhesive: 350 lbs. 1800 lbs. depending on brick size and pattern
- 4) Facing material: per general contractor
- 5) B-Vent metal flue: per manufacturer and installation requirements

The floor area for each model is as follows:

- Maximus Linear w/ Glass Front 48: @ 53" x 28" = 10.3 sg. ft.
- Maximus Linear w/ Glass Front 60: @ 73-1/2" x 28" = 14.3 sq. ft.
- Maximus Linear w/ Glass Front- 72: @ 85-3/4" x 28" = 16.67 sq. ft.
- Maximus Linear w/ Glass Front- 96: @ 108-1/4" x 28" = 21.04 sq. ft.
- Maximus Linear w/ Glass Front 120: @ 131-3/4" x 28" = 25.62 sq. ft.

Earthcore is not responsible for structural floor support details for this fireplace system. Unless otherwise noted all floor framing drawings in this manual are merely illustrations to indicate the presence of an underlying floor system. Consult your local structural engineer for proper floor system design, sizing, and specifications.

| | DIMENSIONS ARE IN INCHES | | | STATED, ALL | 10' MAXIMUS LINEAR W/ GFK | | | | | |
|--------------------|--------------------------|------|---------------|---------------------------|---------------------------|--------------------|-------|--------------|-------------|------|
| Corthcore" | | | IFIED NCES | THIRD ANGLE PROJECTION | DESCRIPTION: GENERAL I | NFORMATION | AND | SPECIFICATIC | NS | |
| industries, L.L.C. | ANG. | A | | | MATERIAL: | | | | | |
| | LIN. | .Х | ± | (⊕)∈-+ | DRAWN: K.B.H | DATE: 8/29/2024 | SIZE: | - | | REV: |
| | | .XX | ± | | APPROVED: | DATE: | | N.T.S | 82L120-GFK | C |
| | | .xxx | + | | | | | DO NOT SCALE | SHEET# 2 OF | 2 |