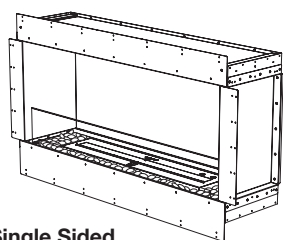


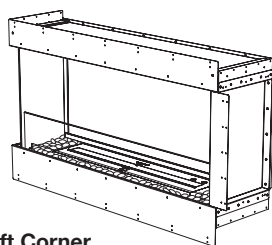
CLEARANCES AND INSTALLATION MANUAL

Please read these instructions completely before installing or operating the EcoSmart™ Fire.

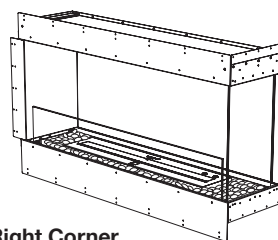
FLEX FIREPLACES



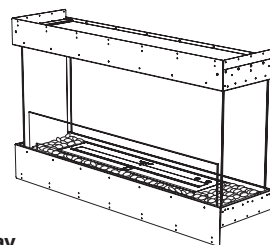
Single Sided



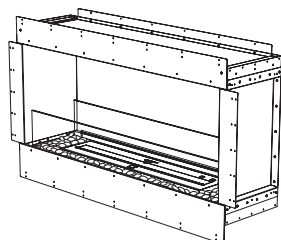
Left Corner



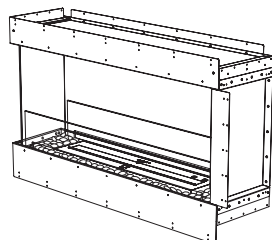
Right Corner



Bay



Double Sided



Peninsula

e-nrg[®]
natural . renewable . green

e-NRG bioethanol is the
ONLY fuel to be used in
this appliance.

! WARNINGS:

IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION
MAY RESULT CAUSING PROPERTY DAMAGE, PERSONAL INJURY OR LOSS OF LIFE.



Do not fill
while hot



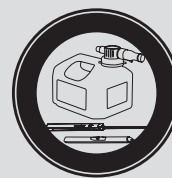
Do not fill while
operating



Do not overfill



Flammable



Use with supplied
accessories



Keep away
from children

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Appliance Clearances

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These appliances are manufacturer approved for use only with the accompanying UL Listed Burner/s.

OPERATION

Refer to the Operations Manual included with the Burner.

Please read these instructions completely before installing and operating the EcoSmart™ Fire.

SELECTING APPLIANCE LOCATION

The appliance is zero clearance and has the necessary clearances to combustible frame components already built-in. They are engineered specifically to accept compatible EcoSmart Fire Burners.

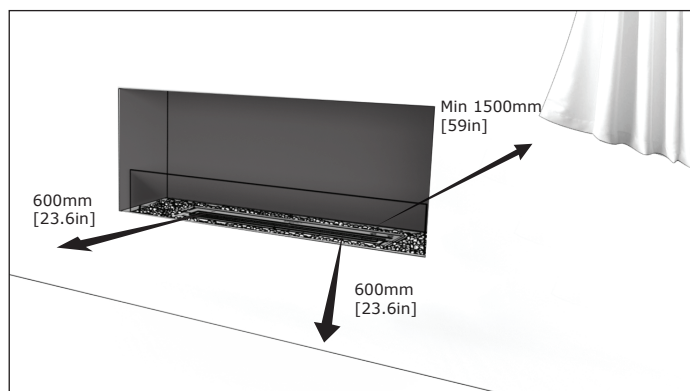
When selecting a location for the appliance it is important to consider the required minimum room sizes and clearances to walls and combustible materials (see Clearances images below and Minimum Room Size table).

Note: Flex appliances are made from zinc sealed steel which is powder coated with super hi-temp black paint which prevents rusting. The burners are made of 304 stainless steel. To ensure the burner(s) continue looking great and to avoid rust or corrosion it is important any contamination or debris are cleaned or removed from the burner immediately.

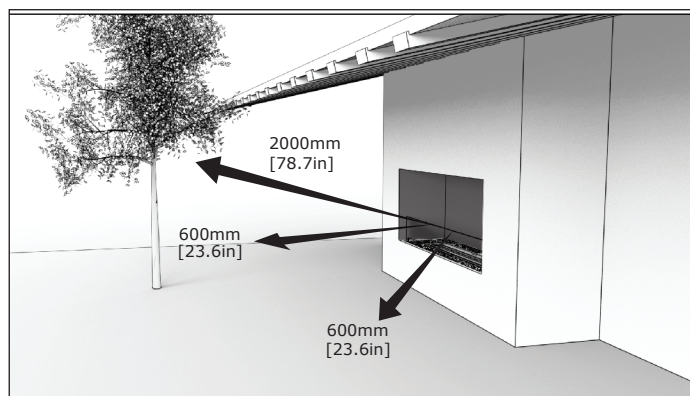
If installed outdoors, the appliance must be located under a protective overhang to avoid it from filling with water and being permanently damaged. The warranty is void if the product is damaged as a result of installation in an exposed location.

When not in use, keep the burner lid closed to safeguard the burner from debris falling into the burner chamber and causing contamination.

WARNING: Risk of Fire or Burns! Provide adequate clearance around air openings and for service access. Observe the clearances to combustibles recommended in this manual and the burner manual. Ensure that your fire is positioned away from flammable materials and other sources of ignition at all times. Due to high temperatures, the appliance should be located out of traffic and away from furniture and draperies. Pay very close attention to positioning the fire away from items that may move as a result of wind and drafts. For example trees/branches/curtains/paper and the like. Keep children at a safe distance at all times and never leave them unsupervised when the appliance is on or hot.



Indoor Clearances



Outdoor Clearances (Note protective overhang for outdoor installations)

VENTILATION

EcoSmart Fires do not require any form of permanent fixture or fitting, such as a flue for ventilation, a permanent connection or any kind of fixed utility for fuel supply.

Do not cover any existing ventilation systems or structures that are built or installed within the chosen installation area.

To ensure adequate ventilation, make sure to follow the guidelines in the table shown.

Underwriters Laboratories (UL) calculates adequate air exchange as follows:

In a house of typical construction, that is, one that is not of unusually tight construction due to heavy insulation and tight seals against air infiltration, an adequate supply of air for combustion and ventilation is provided through infiltration. However, if the Burner is used in a small room where less than **5.7m³ [200ft³]** of air space is provided for each **1000 BTU** per hour of appliance rating (considering the maximum Burner setting), the door(s) to adjacent room(s) should be kept open or a window to the outside should be opened at least **25.4mm [1in]** to guard against potential build up of indoor air pollution. Do not install or operate in a bathroom or any other small room.

MINIMUM ROOM SIZE

Ventilation table based on number of burners (per appliance).

Appliance	Burner/s	Minimum Room Size	BTU
FLEX 50 FLEX 68.BX FLEX 86.BX2	1x XL900	3884 cubic feet (110 cu. meters)	15,000
FLEX 68 FLEX 86.BX FLEX 104.BX2	2x XL700	6357 cubic feet (180 cu. meters)	27,300
FLEX 86 FLEX 104.BX FLEX 122.BX2	2x XL900	7768 cubic feet (220 cu. meters)	30,000
FLEX 122 FLEX 140.BX FLEX 158.BX2	3x XL900	11652 cubic feet (330.2 cu. meters)	45,000

NOT INTENDED FOR USE AS A PRIMARY HEAT SOURCE. This appliance is tested and approved as either a supplemental room heat or as a decorative appliances. It should not be factored as primary heat in residential heating calculations.

Appliance Installation

These appliances must be installed into a fixed secure position before being operated.

NOTICE: DO NOT INSTALL DIRECTLY BESIDE OR NEAR WALLPAPER, LAMINATE, VENEER OR ANY SURFACE THAT IS NOT DESIGNED TO WITHSTAND HEAT AND HIGH TEMPERATURES (the heat will impact the material, and in some circumstances the glue used for its application). THE AREA AROUND THE APPLIANCE GETS HOT. HEAT SENSITIVE/REACTIVE MATERIALS SHOULD NOT BE USED. DO NOT PLACE FLAMMABLE OBJECTS ON OR AROUND THE APPARATUS.

These appliances are not designed to incorporate doors or opening covers.

The appliance must remain open at all times for ventilation – it is not designed to operate as an oven or similar “hot box” – the flame must have a constant supply of air to operate and be able to circulate and distribute the heat effectively

DO NOT PACK REQUIRED AIR SPACES (the space between the appliance and the spacer) WITH INSULATION OR OTHER MATERIALS. THE AIR SPACERS ARE NEEDED TO ENSURE PROPER TEMPERATURES ARE MAINTAINED BEHIND THE APPLIANCE.

Do not modify the appliance in any way during installation. Cutting of sheet metal parts of the appliance is prohibited.

Expansion and contraction of internal parts due to heating and cooling off may create noise. This is normal.

WARNING: DO NOT OPERATE WITHOUT THE GLASS WINDSCREEN

The appliance must be fully assembled before being operated. Failure to install (or removal of) glass panels will void the warranty and render the product unapproved for use with the included burner.

FRAMING

Important Considerations for Framing

1. The appliance must be installed on a level surface capable of supporting the appliance, burner, glass charcoal and full fuel capacity.
2. The framing dimensions shown in the instructions are the optimum dimensions that allow best fit with gyprock / sheetrock / plasterboard (or other facing/finishing material) after the appliance has been installed.
3. Prepare the installation location. If placing the appliance on a platform, build the platform, making sure to accommodate the weight of the appliance, burner, glass charcoal and fuel. Verify that the platform is level.

In the case of insufficient capacity to hold the weight of the appliance, measures must be taken to reinforce the setting (for example installation of a plate for load distribution) so that the setting is suitable for installation.

IMPORTANT: The framing above the appliance must be self-supporting. The appliance is not load-bearing.

DEFINITIONS

Combustible materials - Materials made of or surfaced with wood, compressed paper, plant fibers, plastics, or other material that can ignite and burn, whether flame produced or not, or plastered or unplastered shall be considered combustible materials.

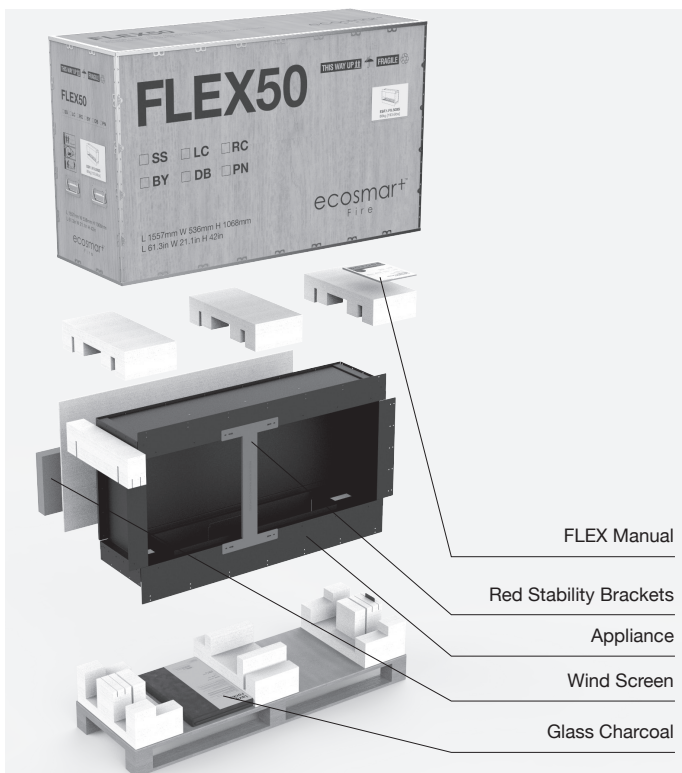
Non-combustible materials - materials which will not ignite and burn. Such materials are those consisting entirely of steel, iron, brick, tile, concrete, slate, glass or plasters, or any combination thereof. HardieBacker®, WonderBoard®, Durock® or materials that are reported as passing ASTM E 136, Standard Test Method for Behavior of Materials in a Vertical Tube Furnace at 750C shall be considered non-combustible materials.

NOTE: Illustrations reflect typical installations and are for DESIGN PURPOSES ONLY. Illustrations/diagrams are not drawn to scale. Actual installation may vary due to individual design preferences.

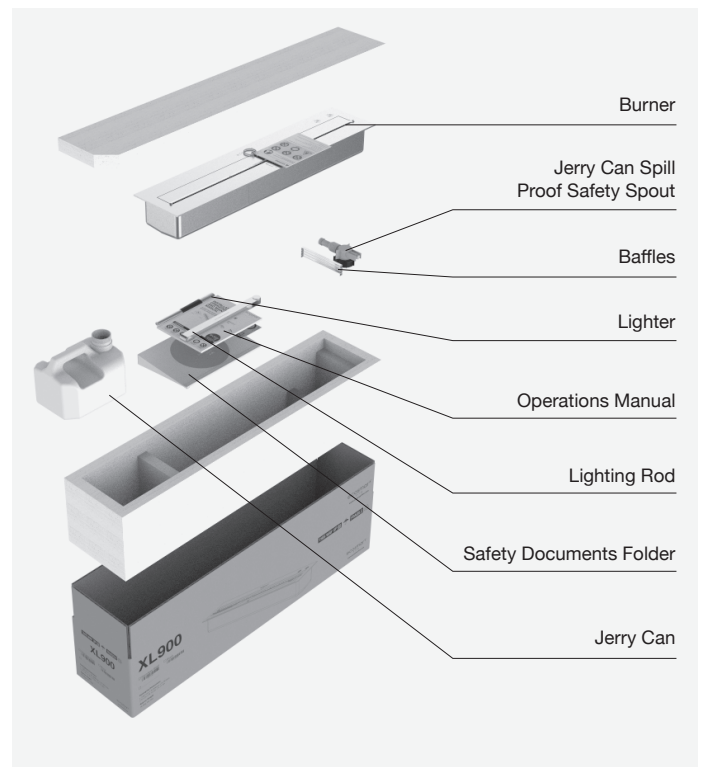
BEFORE GETTING STARTED

1. Carefully remove the appliance and components from the packaging
2. Inspect and report any parts damaged in shipment, particularly the condition of the glass windscreen.
3. Read all of the instructions before starting the installation. Follow these instructions carefully during the installation to ensure maximum safety and benefit.

WARNING: Risk of fire or explosion! Damaged parts could impair safe operation. Do not install damaged, incomplete or substitute components.



Appliance Crate



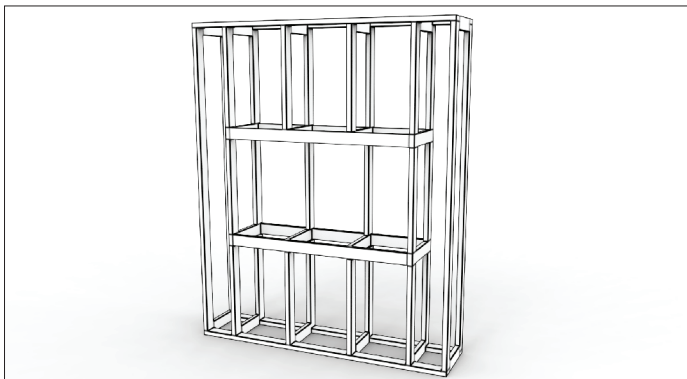
Burner Carton

Single Sided Installation

4

Equipment required: Power Drill, Screwdriver, Level, Hand Trowel for Plaster, Silicone Gun, Caulk Gun

1. Construct the main wall framework with the opening size shown in Table A. The base of the frame can be a solid bench/platform, which will assist in leveling up the appliance when in position.



2. Slide the appliance inside the framing cavity (the base of the appliance can sit directly on top of the 2 x 4 framing material). The appliance is shipped with red stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimizing movement of the appliance.

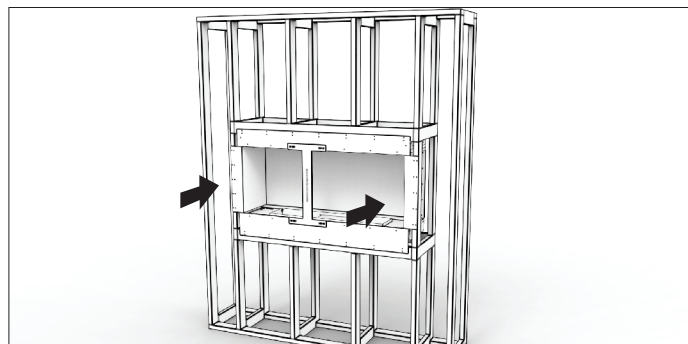


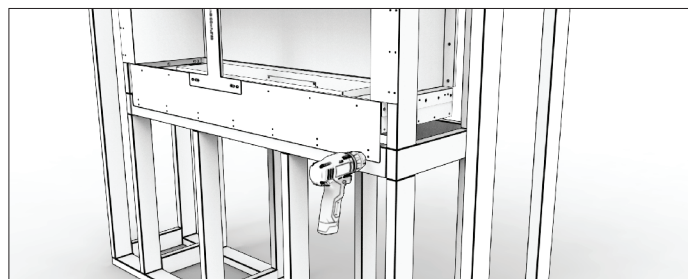
Table A: Framework Opening Sizes

Physical appliance dimensions should be verified against cut out dimensions BEFORE installation begins to confirm tolerances align.

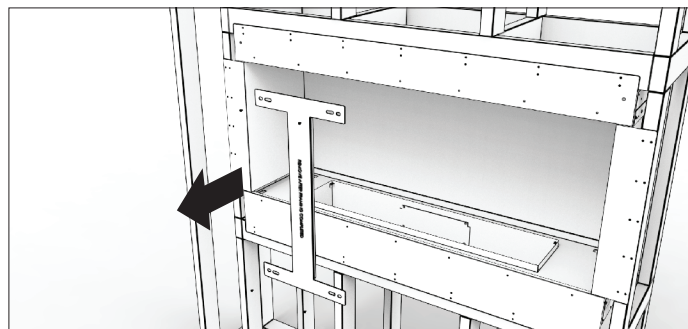
APPLIANCE	W mm [in]	D mm [in]	H mm [in]	Weight* kg [lbs]
FLEX 50SS	1380 [54.3]	365 [14.5]	730 [28.7]	71.4 [157.1]
FLEX 68SS	1840 [72.4]	365 [14.5]	730 [28.7]	95.7 [210.5]
FLEX 86SS	2300 [90.6]	365 [14.5]	730 [28.7]	121.5 [267.3]
FLEX 122SS	3220 [126.8]	365 [14.5]	730 [28.7]	171.5 [377.3]
FLEX 68SS.BX	1840 [72.4]	365 [14.5]	730 [28.7]	95.1 [209.2]
FLEX 86SS.BX	2300 [90.6]	365 [14.5]	730 [28.7]	119.4 [262.7]
FLEX 104SS.BX	2760 [108.7]	365 [14.5]	730 [28.7]	145.2 [319.4]
FLEX 140SS.BX	3680 [145]	365 [14.5]	730 [28.7]	195.2 [429.4]
FLEX 86SS.BX2	2300 [90.6]	365 [14.5]	730 [28.7]	118.8 [261.4]
FLEX 104SS.BX2	2760 [108.7]	365 [14.5]	730 [28.7]	143.1 [314.8]
FLEX 122SS.BX2	3220 [126.8]	365 [14.5]	730 [28.7]	168.9 [371.6]
FLEX 158SS.BX2	4140 [163]	365 [14.5]	730 [28.7]	218.9 [481.6]

* Appliance weight includes burner/s (dry weight excluding fuel), glass charcoal and glass. It does NOT include glass charcoal for side boxes.

3. Secure the appliance to the framework with screws using the existing mounting holes on the appliance flanges. Make sure that the appliance is level before securing it in place.



4. Remove the red stability brackets.

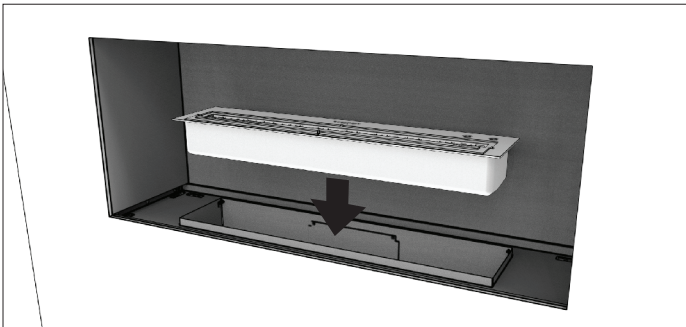


IMPORTANT: The framing above the appliance must be self-supporting. The appliance is not load-bearing.

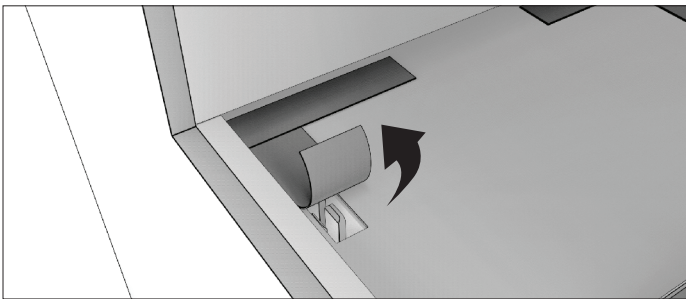
5. Complete the construction by finishing the wall paneling around the appliance. (See section on **FINISHING INSTRUCTIONS** and ensure that you fully understand where non combustible materials must be used.)



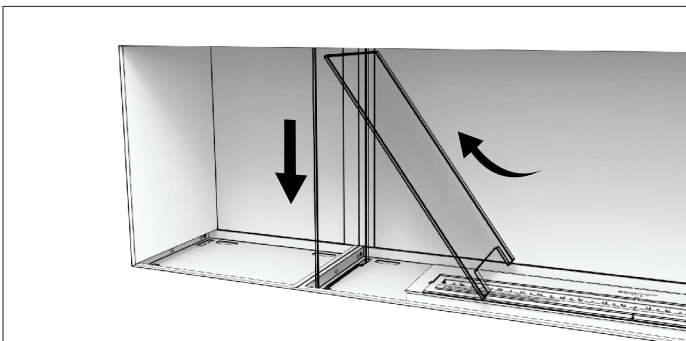
6. Place the burner into position.



7. Remove the dust protective tape that covers the windscreen mounting slots.

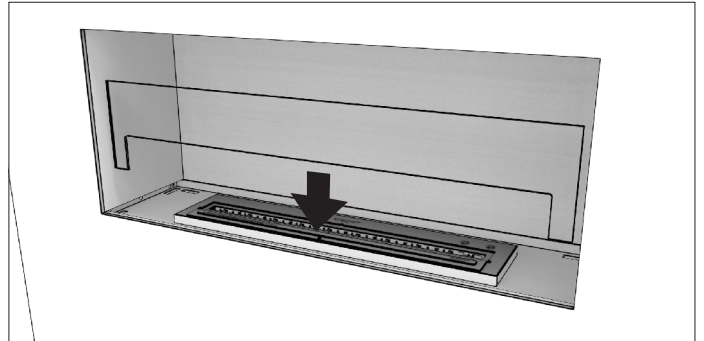


8. If your appliance includes a decorative box on the left / right or both, insert the internal glass panel/s by feeding the glass upwards into the slot then pushing down into the positioned clips.

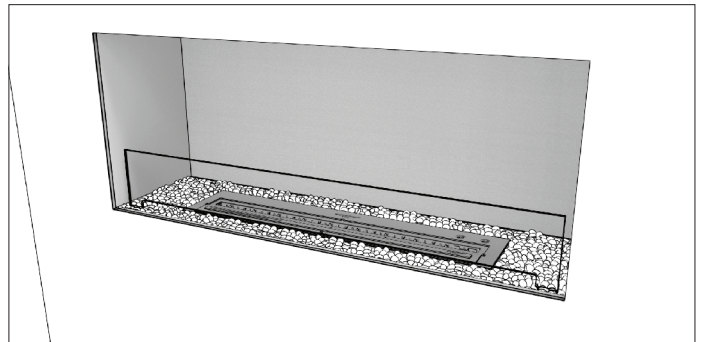


9. Install the windscreen by inserting the two ends into the appropriate slots in the appliance. Use a small amount of pressure to push the windscreen in place until it bottoms out into the hidden glass clips.

WARNING: The glass used is toughened glass - which means it is stronger than normal glass. Importantly, even though it is stronger, toughened glass still has weaknesses. The corners and sides are specific pressure points where it is more fragile and can break if care is not taken. Glass breaks into many small pieces. Take care to avoid cuts. We recommend you wear protective gloves when handling glass.



10. Spread the glass charcoal evenly around the appliance tray.
CAUTION: Make sure the burner lid is closed. Keep the glass charcoal away from the burner flange to avoid glass charcoal from accidentally going into the burner chamber. Be careful not to scratch the burner.



Left Corner & Right Corner Installation

6

Equipment required: Power Drill, Screwdriver, Level, Hand Trowel for Plaster, Silicone Gun, Caulk Gun

1. Construct a main wall framework leaving an opening as shown in Table B. The base of the frame can be a solid bench/platform, which will assist in leveling up the appliance when in position.

NOTE: Illustrations are of Left Corner installation.



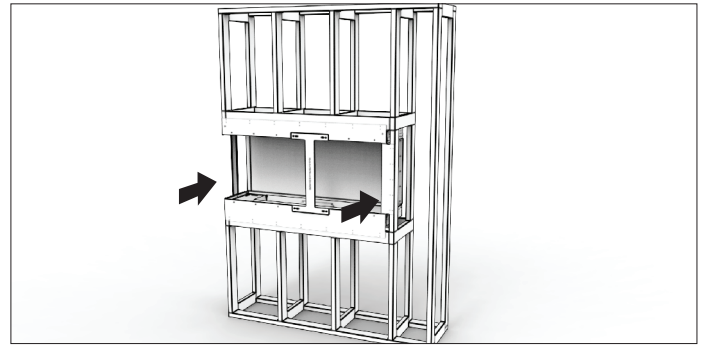
Table B: Framework Opening Sizes

Physical appliance dimensions should be verified against cut out dimensions BEFORE installation begins to confirm tolerances align.

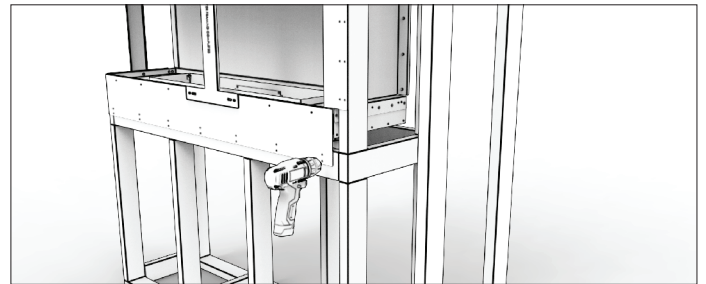
APPLIANCE	W mm [in]	D mm [in]	H mm [in]	Weight* kg [lbs]
FLEX 50LC FLEX 50RC	1362 [53.6]	365 [14.4]	730 [28.7]	71.6 [157.5]
FLEX 68LC FLEX 68RC	1822 [71.7]	365 [14.4]	730 [28.7]	95.9 [211.0]
FLEX 86LC FLEX 86RC	2282 [89.8]	365 [14.4]	730 [28.7]	121.7 [267.7]
FLEX 122LC FLEX 122RC	3202 [126.1]	365 [14.4]	730 [28.7]	171.7 [377.7]
FLEX 68LC.BX FLEX 68RC.BX	1822 [71.7]	365 [14.4]	730 [28.7]	95.3 [209.7]
FLEX 86LC.BX FLEX 86RC.BX	2282 [89.8]	365 [14.4]	730 [28.7]	119.6 [263.1]
FLEX 104LC.BX FLEX 104RC.BX	2742 [108]	365 [14.4]	730 [28.7]	145.4 [319.9]
FLEX 140LC.BX FLEX 140RC.BX	3662 [144.2]	365 [14.4]	730 [28.7]	195.4 [429.9]
FLEX 86LC.BX2 FLEX 86RC.BX2	2282 [89.8]	365 [14.4]	730 [28.7]	119 [261.8]
FLEX 104LC.BX2 FLEX 104RC.BX2	2742 [108]	365 [14.4]	730 [28.7]	143.3 [315.3]
FLEX 122LC.BX2 FLEX 122RC.BX2	3202 [126.1]	365 [14.4]	730 [28.7]	169.1 [372]
FLEX 158LC.BX2 FLEX 158RC.BX2	4122 [162.3]	365 [14.4]	730 [28.7]	219.1 [482]

* Appliance weight includes burner/s (dry weight excluding fuel), glass charcoal and glass. It does NOT include glass charcoal for side boxes.

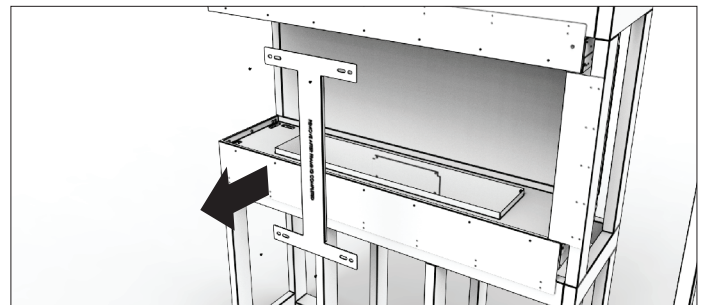
2. Slide the appliance inside the framing cavity (the base of the appliance can sit directly on top of the 2 x 4 framing material). The appliance is shipped with red stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimising movement of the appliance. Align the top corner flange extension panel with the threaded holes on top shelf and screw into place with the included screws



3. Secure the appliance to the framework using the existing mounting holes on the appliance flanges. Make sure that the appliance is level before securing it in place.



4. Remove the red safety bracket(s).

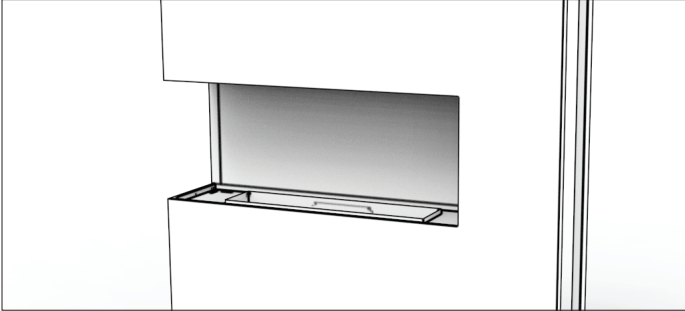


IMPORTANT: The framing above the appliance must be self-supporting. The appliance is not load-bearing.

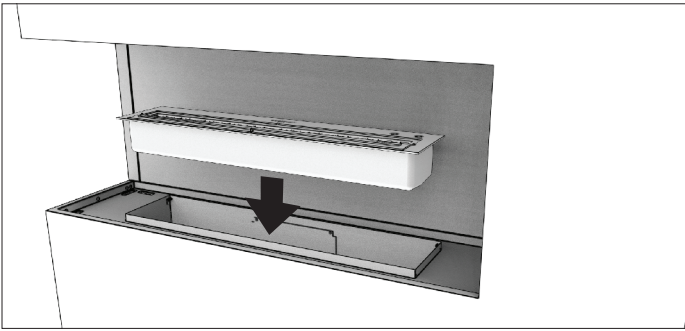
Left Corner & Right Corner Installation

7

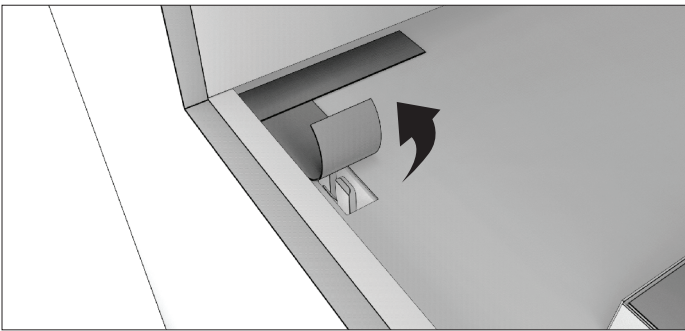
5. Complete the construction by finishing the wall paneling around the appliance. (See section on **FINISHING INSTRUCTIONS** and ensure that you fully understand where non combustible materials must be used.)



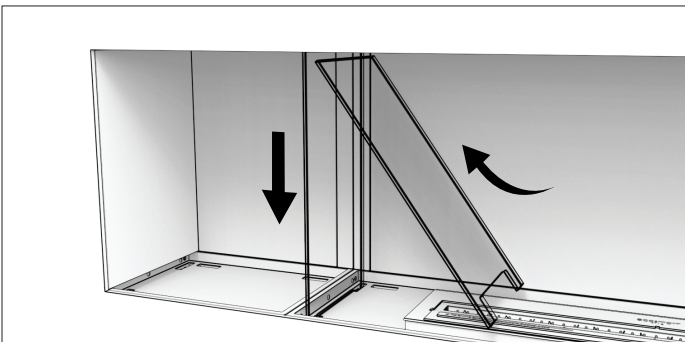
6. Place the burner into position.



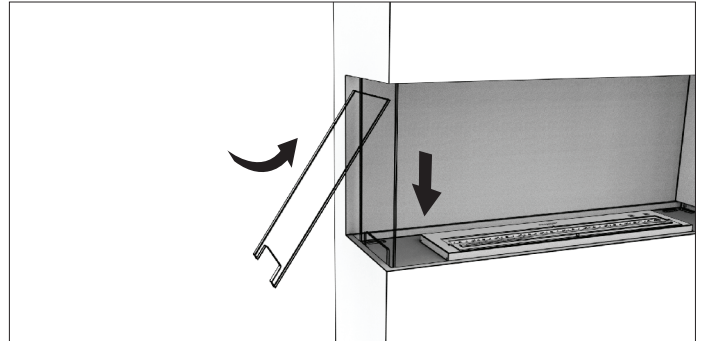
7. Remove the dust protective tape that covers the windscreen mounting slots.



8. If your appliance includes a decorative box on the left / right or both, insert the internal glass panel by feeding the glass upwards into the slot then pushing down into the positioned clips.

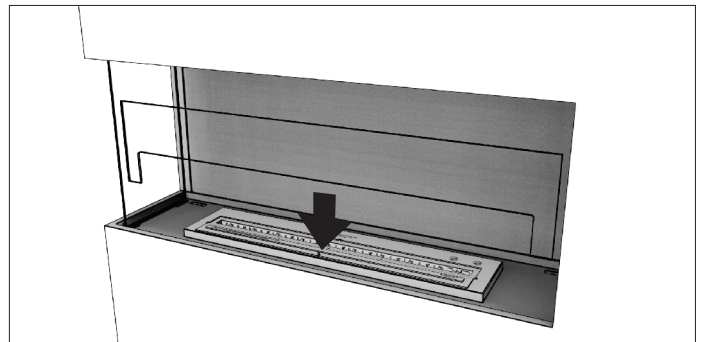


9. Insert the full height glass panel into one of the open end side by inserting the glass into the opening at the top of the appliance, and lowering it into the slots in the base until it bottoms out into place.

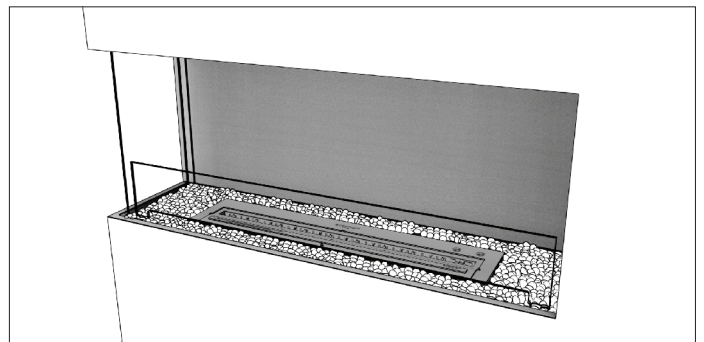


10. Install the windscreen by inserting the glass ends into the slots. Use a small amount of pressure to push the windscreen in place until it bottoms out into the hidden glass clips.

WARNING: The glass used is toughened glass - which means it is stronger than normal glass. Importantly, even though it is stronger, toughened glass still has weaknesses. The corners and sides are specific pressure points where it is more fragile and can break if care is not taken. Glass breaks into many small pieces. Take care to avoid cuts. We recommend you wear protective gloves when handling glass.



11. Spread the glass charcoal evenly around the appliance tray.
CAUTION: Make sure the burner lid is closed. Keep the glass charcoal away from the burner flange to avoid glass charcoal from accidentally going into the burner chamber. Be careful not to scratch the burner.



Bay Installation

Equipment required: Power Drill, Screwdriver, Level, Hand Trowel for Plaster, Silicone Gun, Caulk Gun

1. Construct a main wall framework leaving an opening as shown in Table C. The base of the frame can be a solid bench/platform, which will assist in leveling up the appliance when in position.

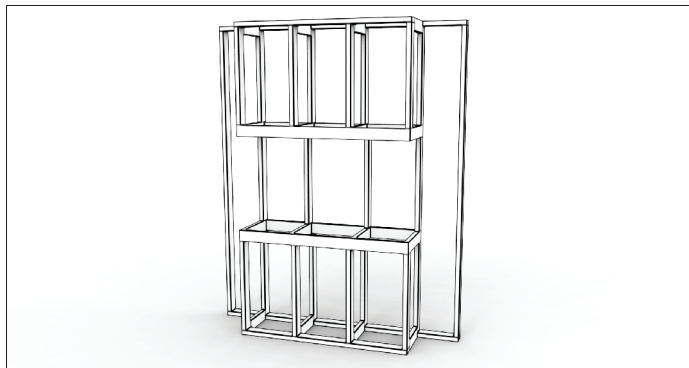


Table C: Framework Opening Sizes

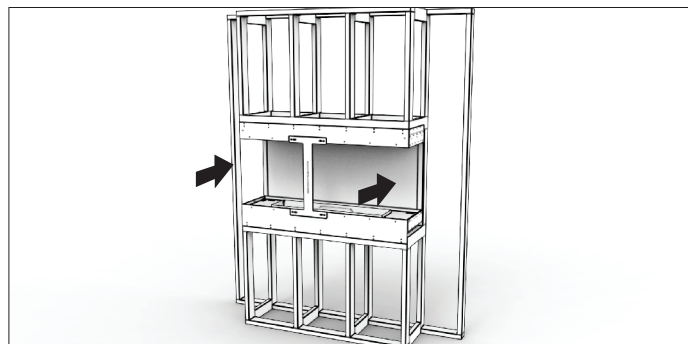
Physical appliance dimensions should be verified against cut out dimensions BEFORE installation begins to confirm tolerances align.

APPLIANCE	W mm [in]	D mm [in]	H mm [in]	Weight* kg [lbs]
FLEX 50BY	1345 [53]	365 [14.4]	730 [28.7]	71.8 [158]
FLEX 68BY	1805 [71.1]	365 [14.4]	730 [28.7]	96.1 [211.4]
FLEX 86BY	2265 [89.2]	365 [14.4]	730 [28.7]	121.9 [268.2]
FLEX 122BY	3185 [125.4]	365 [14.4]	730 [28.7]	171.9 [378.2]
FLEX 68BY.BX	1805 [71.1]	365 [14.4]	730 [28.7]	95.5 [210.1]
FLEX 86BY.BX	2265 [89.2]	365 [14.4]	730 [28.7]	119.8 [263.6]
FLEX 104BY.BX	2725 [107.3]	365 [14.4]	730 [28.7]	145.6 [320.3]
FLEX 140BY.BX	3645 [143.5]	365 [14.4]	730 [28.7]	195.6 [430.3]
FLEX 86BY.BX2	2265 [89.2]	365 [14.4]	730 [28.7]	119.2 [262.2]
FLEX 104BY.BX2	2725 [107.3]	365 [14.4]	730 [28.7]	143.5 [315.7]
FLEX 122BY.BX2	3185 [125.4]	365 [14.4]	730 [28.7]	169.3 [372.5]
FLEX 158BY.BX2	4105 [161.6]	365 [14.4]	730 [28.7]	219.3 [482.5]

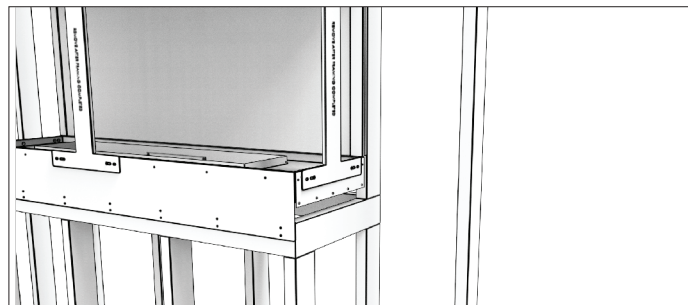
* Appliance weight includes burner/s (dry weight excluding fuel), glass charcoal and glass. It does NOT include glass charcoal for side boxes.

IMPORTANT: The framing above the appliance must be self-supporting. The appliance is not load-bearing.

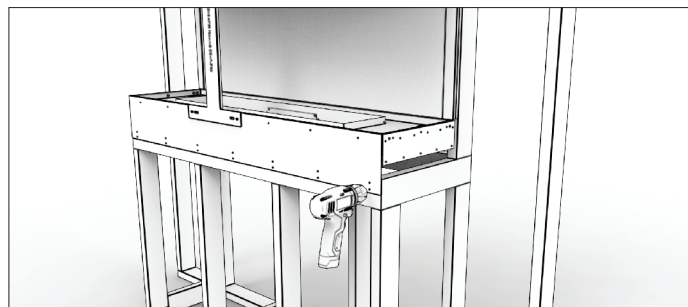
2. Slide the appliance inside the framing cavity (the base of the appliance can sit directly on top of the 2 x 4 framing material). The appliance is shipped with red stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimising movement of the appliance.



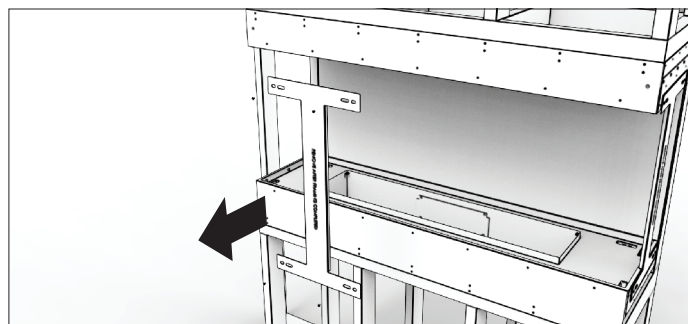
3. Ensure that the left and right side edges of the appliance are flush to the frame-work studs.



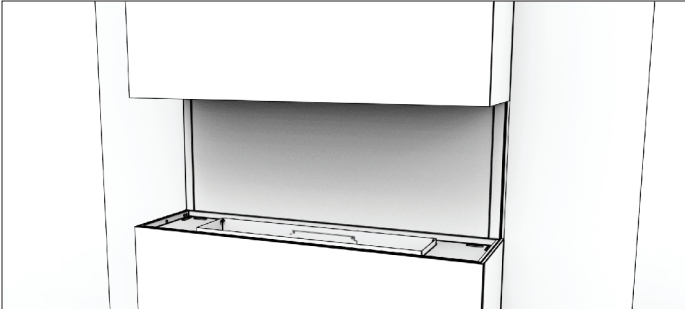
4. Secure the appliance to the framework with screws using the existing mounting holes on the appliance flanges. Make sure that the appliance is level before securing it in place.



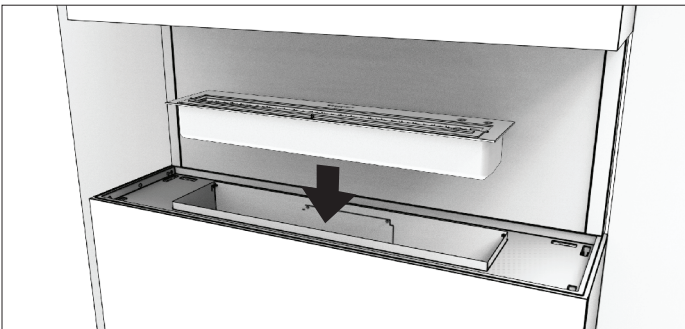
5. Remove the red stability brackets.



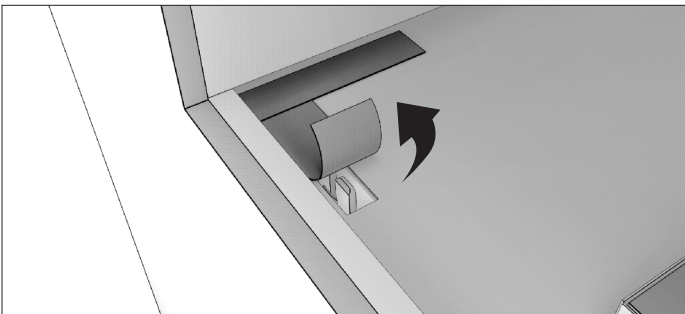
6. Complete the construction by finishing the wall paneling around the appliance. (See section on **FINISHING INSTRUCTIONS** and ensure that you fully understand where non combustible materials must be used.)



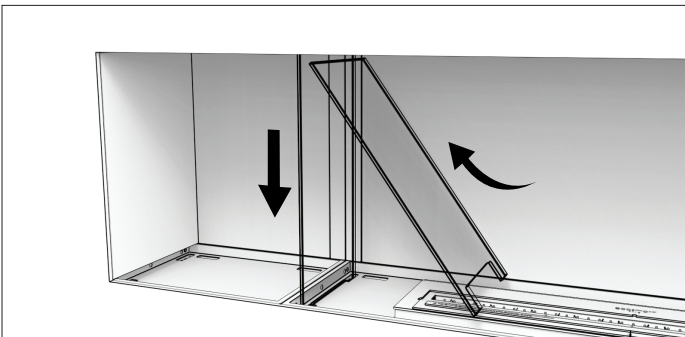
7. Place the burner into position.



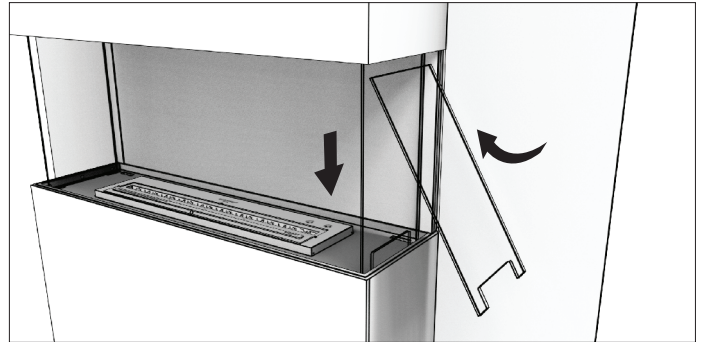
8. Remove the dust protective tape that covers the windscreen mounting slots.



9. If your appliance includes a decorative box on the left / right or both, insert the internal glass panel by feeding the glass upwards into the slot then pushing down into the positioned clips.

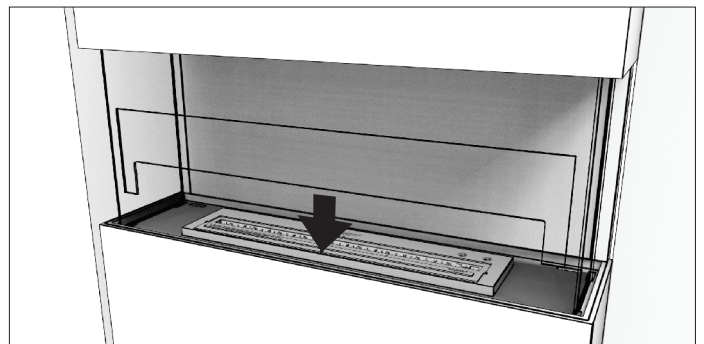


10. Insert the full height glass panel into one of the open end side by inserting the glass into the opening at the top of the appliance, and lowering it into the slots in the base until it bottoms out into place. Repeat the same for the other side of the appliance.

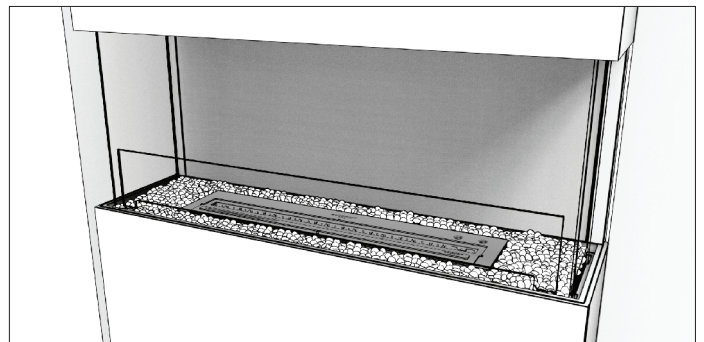


11. Install the windscreen by inserting the two ends into appropriate slots in the appliance. Use a small amount of pressure to push the windscreen in place until it bottoms out into the hidden glass clips.

WARNING: The glass used is toughened glass - which means it is stronger than normal glass. Importantly, even though it is stronger, toughened glass still has weaknesses. The corners and sides are specific pressure points where it is more fragile and can break if care is not taken. Glass breaks into many small pieces. Take care to avoid cuts. We recommend you wear protective gloves when handling glass.



12. Spread the glass charcoal evenly around the appliance tray. **CAUTION:** Make sure the burner lid is closed. Keep the glass charcoal away from the burner flange to avoid glass charcoal from accidentally going into the burner chamber. Be careful not to scratch the burner.



Double Sided Installation

10

Equipment required: Power Drill, Screwdriver, Level, Hand Trowel for Plaster, Silicone Gun, Caulk Gun

1. Construct a main wall framework with the opening size shown in Table D. The base of the frame can be a solid bench/platform, which will assist in leveling up the appliance when in position.

WARNING: Double-sided appliances cannot be inserted into a one-way cavity wall, it must be a two-way cavity where the glass on both sides is free from obstructions. Do not apply pressure or materials to the glass. Double sided appliances are designed as wall divider inserts. If you do not comply with this installation instruction the wall could overheat and catch fire.

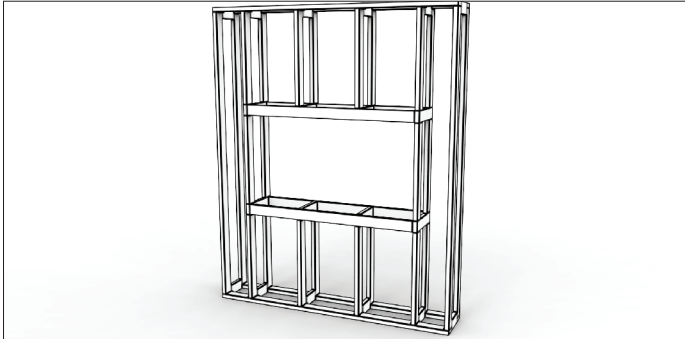


Table D: Framework Opening Sizes

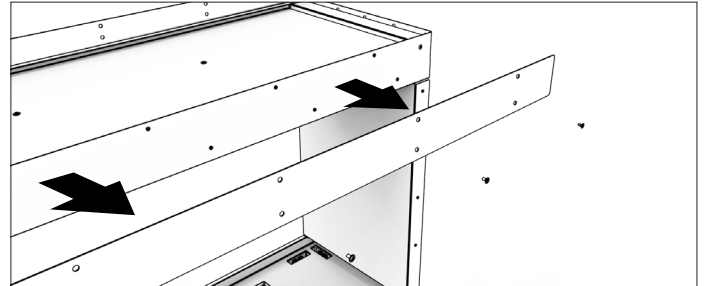
Physical appliance dimensions should be verified against cut out dimensions BEFORE installation begins to confirm tolerances align.

APPLIANCE	W mm [in]	D mm [in]	H mm [in]	Weight* kg [lbs]
FLEX 50DB	1380 [54.3]	349 [13.6]	730 [28.7]	70.8 [155.8]
FLEX 68DB	1840 [72.4]	349 [13.6]	730 [28.7]	79.9 [175.8]
FLEX 86DB	2300 [90.6]	349 [13.6]	730 [28.7]	102.3 [225.1]
FLEX 122DB	3220 [126.8]	349 [13.6]	730 [28.7]	145.6 [320.3]
FLEX 68DB.BX	1840 [72.4]	349 [13.6]	730 [28.7]	83.7 [184.1]
FLEX 86DB.BX	2300 [90.6]	349 [13.6]	730 [28.7]	104.7 [230.3]
FLEX 104DB.BX	2760 [108.7]	349 [13.6]	730 [28.7]	127.1 [279.6]
FLEX 140DB.BX	3680 [145]	349 [13.6]	730 [28.7]	170.4 [374.9]
FLEX 86DB.BX2	2300 [90.6]	349 [13.6]	730 [28.7]	108.5 [238.7]
FLEX 104DB.BX2	2760 [108.7]	349 [13.6]	730 [28.7]	129.5 [284.9]
FLEX 122DB.BX2	3220 [126.8]	349 [13.6]	730 [28.7]	151.9 [334.2]
FLEX 158DB.BX2	4140 [163]	349 [13.6]	730 [28.7]	195.2 [429.4]

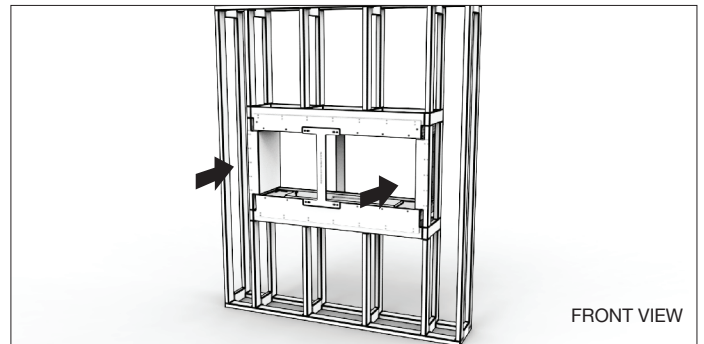
* Appliance weight includes burner/s (dry weight excluding fuel), glass charcoal and glass. It does NOT include glass charcoal for side boxes.

IMPORTANT: The framing above the appliance must be self-supporting. The appliance is not load-bearing.

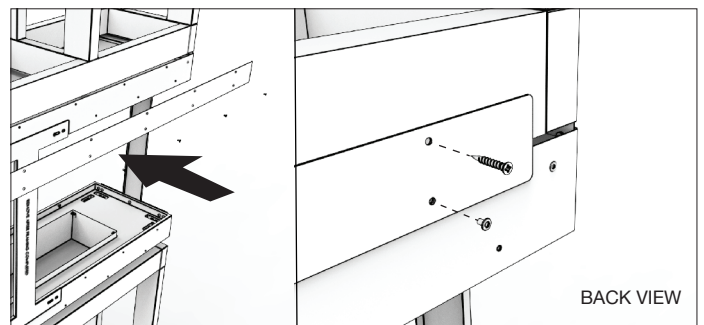
2. Remove the extension flange from the firebox so that both sides are the same height. This will help make sliding the firebox into the frame easier. Pay attention not to lose the screws, they will be needed again when the flange is re-installed.



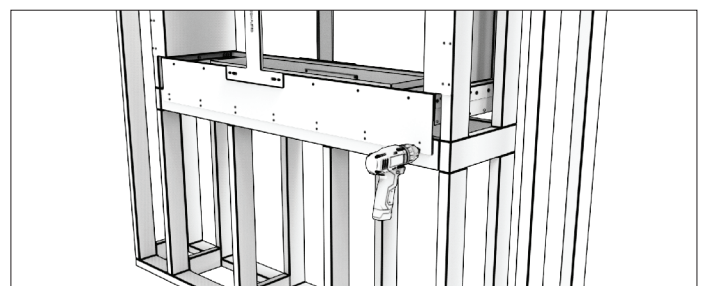
3. Slide the appliance inside the framing cavity (the bottom tray can sit directly on top of the frame). The appliance is shipped with red stability bracket(s) installed on the open side(s) to keep the appliance square while in transport and during installation. Keep the bracket(s) on while framing up the setting to assist in minimising movement of the appliance.



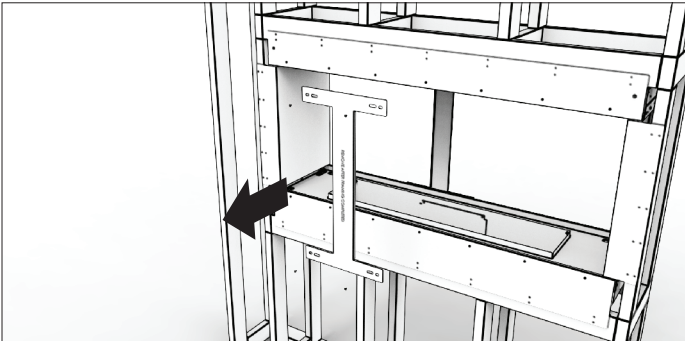
4. Align the flange extension panel with the threaded holes on the appliance. Screw it into place using the included screws (bottom row onto appliance, top row onto framing material) to secure it into position.



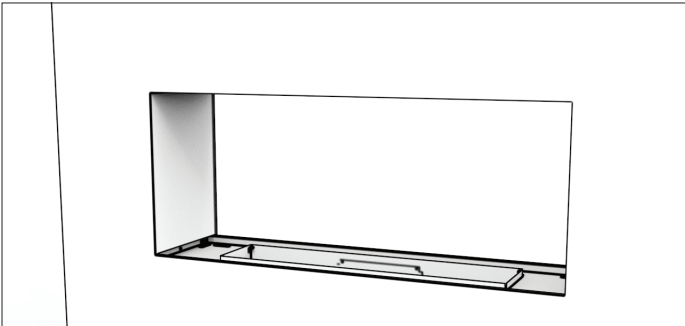
5. Fix the appliance to the framework with screws using the existing mounting holes on the appliance flanges. Make sure that the appliance is level before securing it in place.



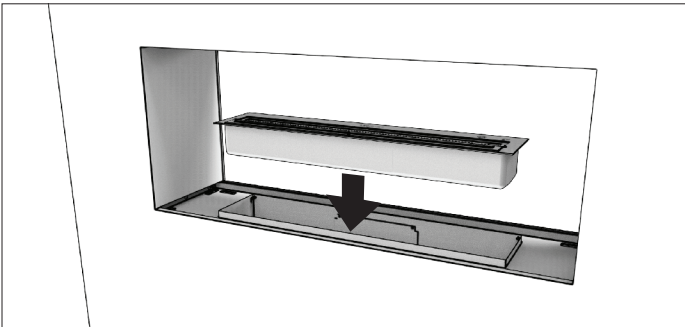
6. Remove the red stability bracket(s).



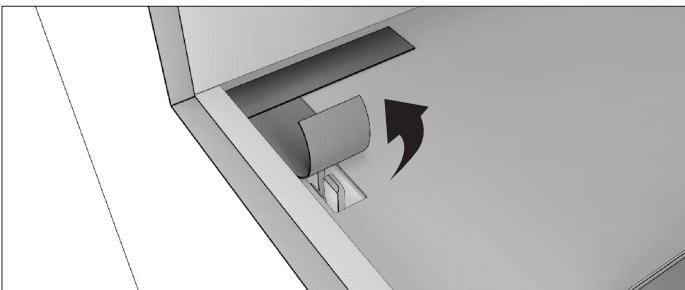
7. Complete the construction by finishing the wall paneling around the appliance. (See section on **FINISHING INSTRUCTIONS** and ensure that you fully understand where non combustible materials must be used.)



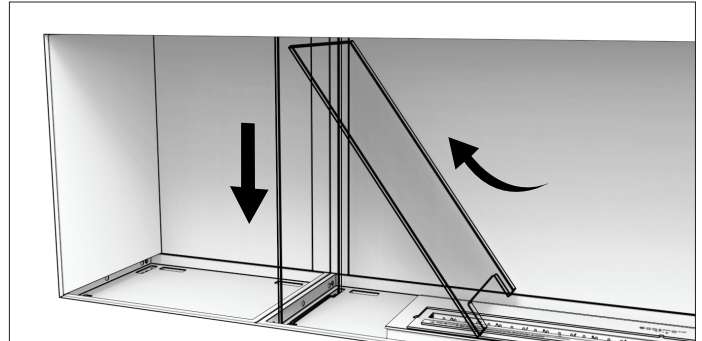
8. Place the burner into position.



9. Remove the dust protective tape that covers the windscreen mounting slots.

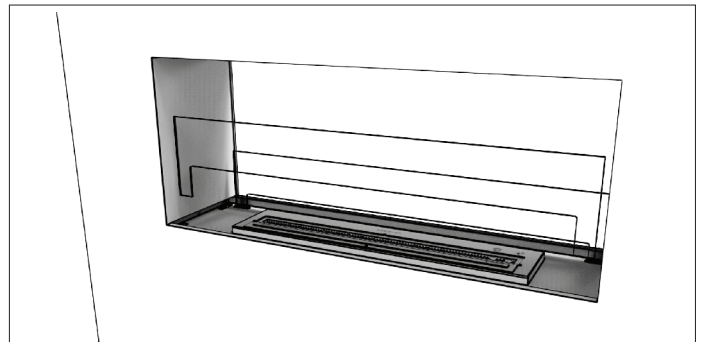


10. If your appliance includes a decorative box on the left / right or both, insert the internal glass panel by feeding the glass upwards into the slot then pushing down into the positioned clips.

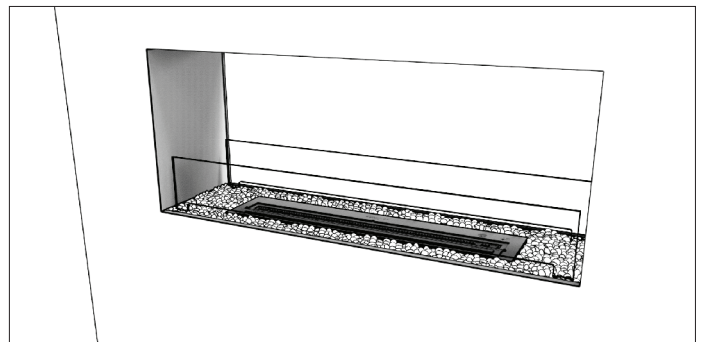


11. Install the windscreen by inserting the two ends into appropriate slots in the appliance. Use a small amount of pressure to push the windscreen in place until it bottoms out into the hidden glass clips. Repeat the same for the back side windscreen.

WARNING: The glass used is toughened glass - which means it is stronger than normal glass. Importantly, even though it is stronger, toughened glass still has weaknesses. The corners and sides are specific pressure points where it is more fragile and can break if care is not taken. Glass breaks into many small pieces. Take care to avoid cuts. We recommend you wear protective gloves when handling glass.



12. Spread the glass charcoal evenly around the appliance tray.
CAUTION: Make sure the burner lid is closed. Keep the glass charcoal away from the burner flange to avoid glass charcoal from accidentally going into the burner chamber. Be careful not to scratch the burner.



Peninsula Installation

12

Equipment required: Power Drill, Screwdriver, Level, Hand Trowel for Plaster, Silicone Gun, Caulk Gun

1. Construct a main wall framework with the opening size shown in Table E. The base of the frame can be a solid bench/platform, which will assist in leveling up the appliance when in position.

WARNING: Three-sided appliances cannot be inserted into a one-way cavity wall, it must be a two-way cavity where the glass on all sides are free from obstructions. Do not apply pressure or materials to the glass. Triple sided appliances are designed as room divider inserts. If you do not comply with this installation instruction the wall could overheat and catch fire.

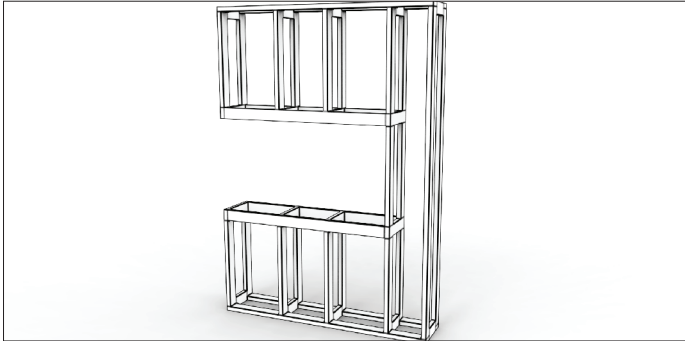


Table E: Framework Opening Sizes

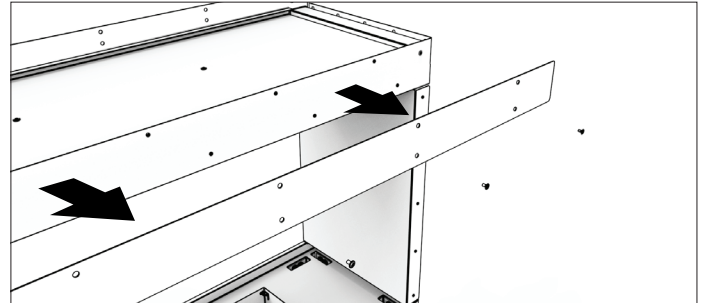
Physical appliance dimensions should be verified against cut out dimensions BEFORE installation begins to confirm tolerances align.

APPLIANCE	W mm [in]	D mm [in]	H mm [in]	Weight* kg [lbs]
FLEX 50PN	1362 [53.6]	349 [13.6]	730 [28.7]	59.1 [130]
FLEX 68PN	1822 [71.7]	349 [13.6]	730 [28.7]	80.1 [176.2]
FLEX 86PN	2282 [89.8]	349 [13.6]	730 [28.7]	102.5 [225.5]
FLEX 122PN	3202 [126.1]	349 [13.6]	730 [28.7]	145.8 [320.8]
FLEX 68PN.BX	1822 [71.7]	349 [13.6]	730 [28.7]	83.9 [184.6]
FLEX 86PN.BX	2282 [89.8]	349 [13.6]	730 [28.7]	104.9 [230.8]
FLEX 104PN.BX	2742 [108]	349 [13.6]	730 [28.7]	127.3 [280.1]
FLEX 140PN.BX	3662 [144.2]	349 [13.6]	730 [28.7]	170.6 [375.3]
FLEX 86PN.BX2	2282 [89.8]	349 [13.6]	730 [28.7]	108.7 [239.1]
FLEX 104PN.BX2	2742 [108]	349 [13.6]	730 [28.7]	129.7 [285.3]
FLEX 122PN.BX2	3202 [126.1]	349 [13.6]	730 [28.7]	152.1 [334.6]
FLEX 158PN.BX2	4122 [162.3]	349 [13.6]	730 [28.7]	195.4 [429.9]

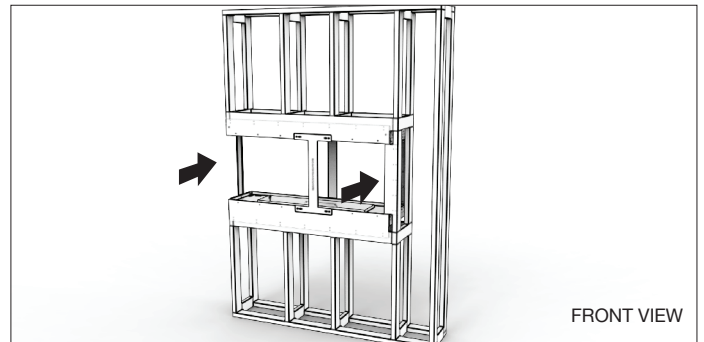
* Appliance weight includes burner/s (dry weight excluding fuel), glass charcoal and glass. It does NOT include glass charcoal for side boxes.

IMPORTANT: The framing above the appliance must be self-supporting. The appliance is not load-bearing.

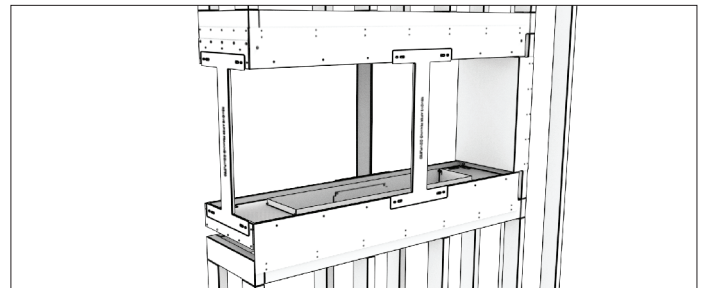
2. Remove the extension flange from the firebox so that both sides are the same height. This will help make sliding the firebox into the frame easier. Pay attention not to lose the screws, they will be needed again when the flange is re-installed.



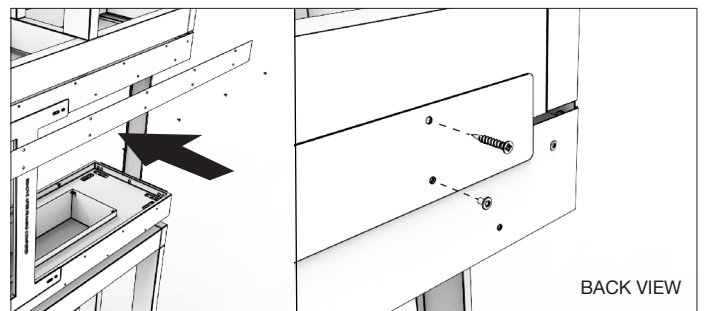
3. Slide the appliance into the framing cavity (the bottom tray can sit directly on top of the frame). The appliance is shipped with red stability bracket(s) on the open sides to keep the appliance square while in transport and during installation. Keep these brackets on while framing up the setting to assist in minimizing movement of the appliance.



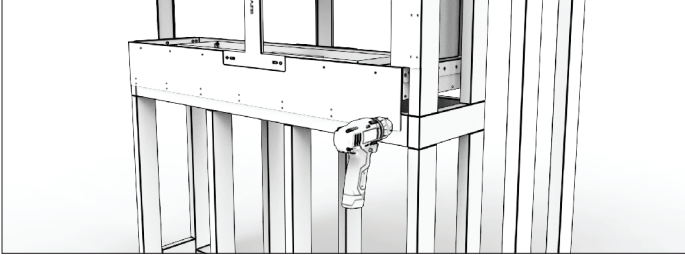
4. Ensure that the back and open side edge of the appliance are flush with frame studs.



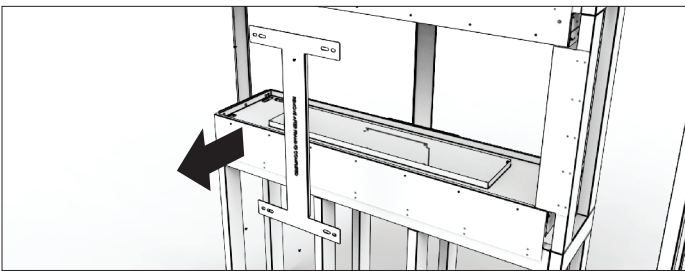
5. Align the flange extension panel with the threaded holes on the appliance. Screw it into place using the included screws (bottom row onto appliance, top row onto framing material) to secure it into position.



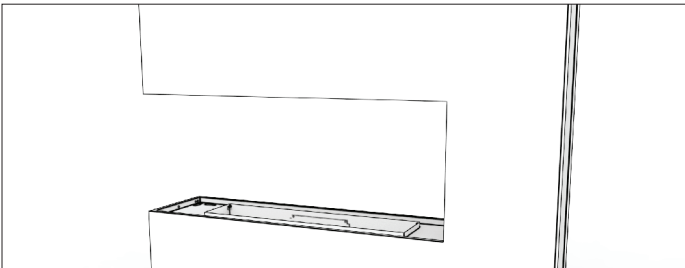
6. Fix the appliance to the framework with screws using the existing mounting holes on the appliance flanges. Make sure that the appliance is level before securing it in place.



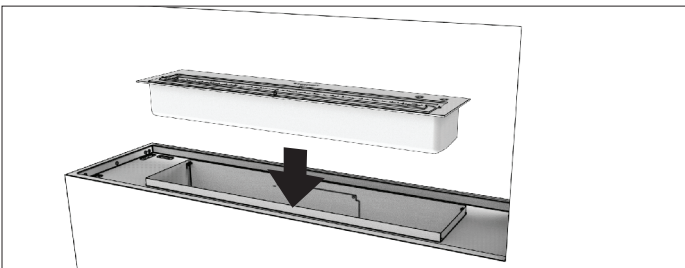
7. Remove the red stability brackets.



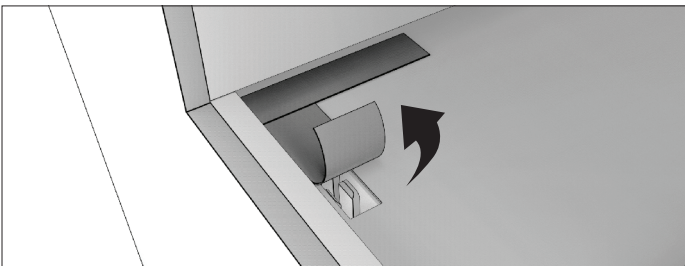
8. Complete the construction by finishing the wall paneling around the appliance. (See section on **FINISHING INSTRUCTIONS** and ensure that you fully understand where non combustible materials must be used.)



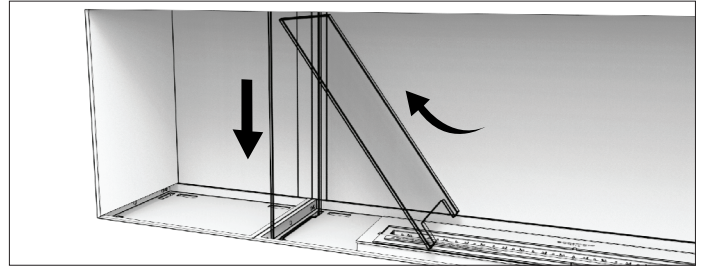
9. Place the burner into position.



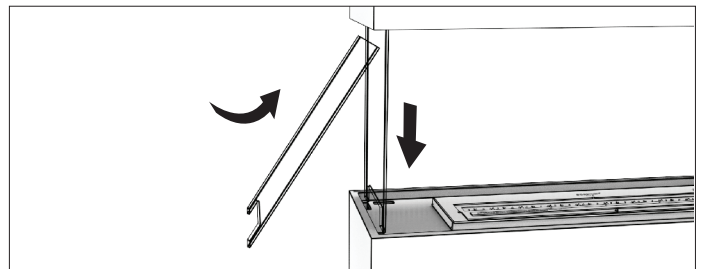
10. Remove the dust protective tape that covers the windscreen mounting slots.



10. If your appliance includes a decorative box on the left / right or both, insert the internal glass panel by feeding the glass upwards into the slot then pushing down into the positioned clips.

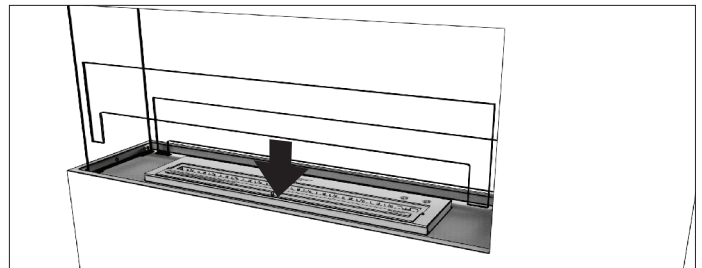


11. Insert the full height glass panel into the open end side by inserting the glass into the opening at the top of the appliance, and lowering it into the slots in the base until it bottoms out into place.

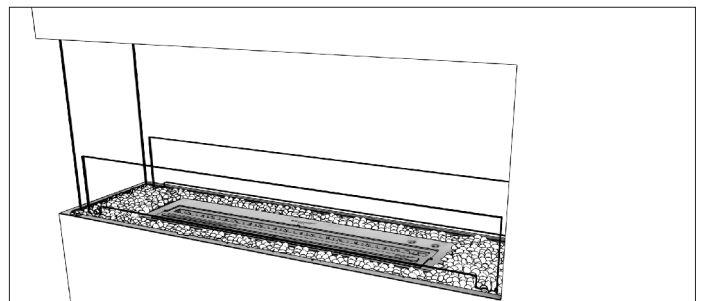


12. Install the windscreen by inserting the two ends into appropriate slots in the appliance. Use a small amount of pressure to push the windscreen in place until it bottoms out into the hidden glass clips. Repeat the same for the back side windscreen.

WARNING: The glass used is toughened glass - which means it is stronger than normal glass. Importantly, even though it is stronger, toughened glass still has weaknesses. The corners and sides are specific pressure points where it is more fragile and can break if care is not taken. Glass breaks into many small pieces. Take care to avoid cuts. We recommend you wear protective gloves when handling glass.



13. Spread the glass charcoal evenly around the appliance tray.
CAUTION: Make sure the burner lid is closed. Keep the glass charcoal away from the burner flange to avoid glass charcoal from accidentally going into the burner chamber. Be careful not to scratch the burner.

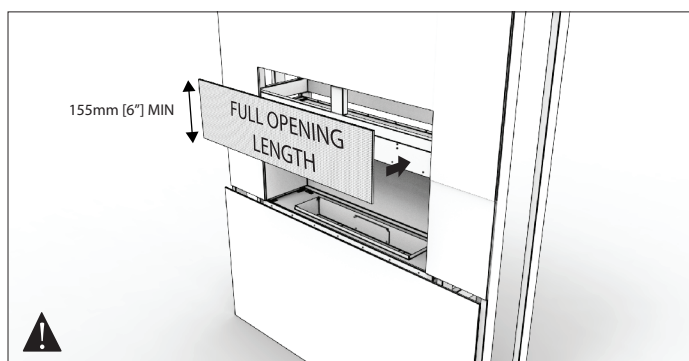


1. Apply surrounding wall panels. Acceptable materials include fibre cement MDF, cement sheeting, stone cladding, tiles, steel, and sheetrock.

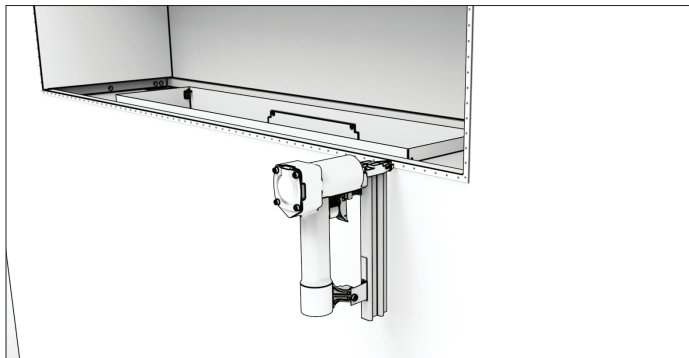
Facing or finishing materials must never overhang into the appliance opening.

WARNING! Risk of Fire! Do not apply combustible materials beyond the minimum clearances. Comply with all minimum clearances to combustibles as specified in this manual and the burner manual.

IMPORTANT: A 155mm (6") non combustible panel must be installed above the appliance opening as shown in the image below (shaded panel).

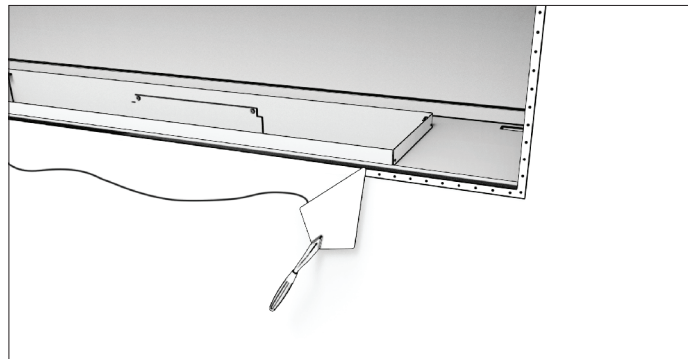


2. A metal trim bead MUST be installed on all edges (mitre the corners). (Do not use long fasteners thicker than the wall paneling material to avoid penetrating the appliance).

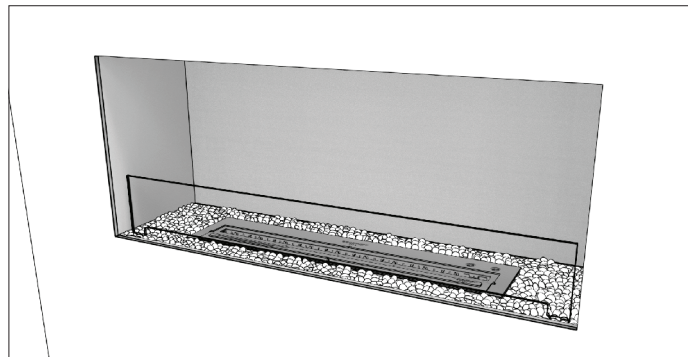


3. Plaster all seams and beads.

All joints between the finished wall sheathing and the front of the appliance must be sealed with non-combustible materials. Sealants, such as caulk or mastic used to seal the gap between the wall and the appliance, should be rated at a minimum continuous exposure to 150°C (122°F).



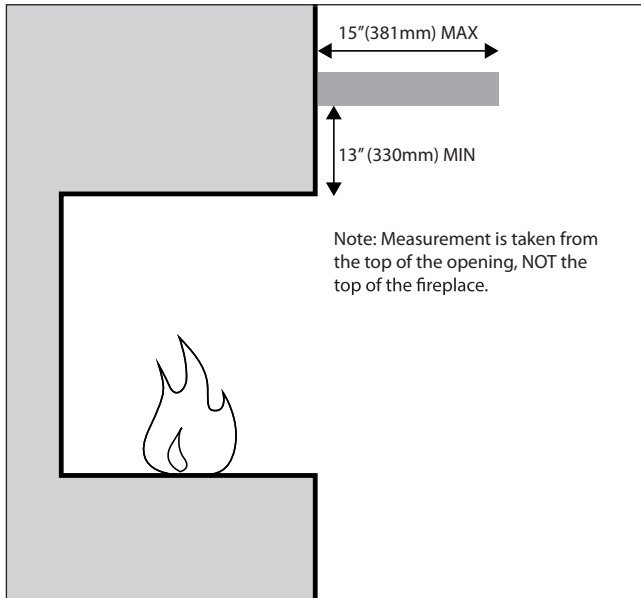
4. If desired finishing includes a painted wall, 100% acrylic latex or oil-based or standard acrylics may be used. Follow paint manufacturer's instructions for paint and primer application.



OPERATE ACCORDING TO THE BURNER OPERATIONS MANUAL INCLUDED WITH THE BURNER.

Minimum Clearances

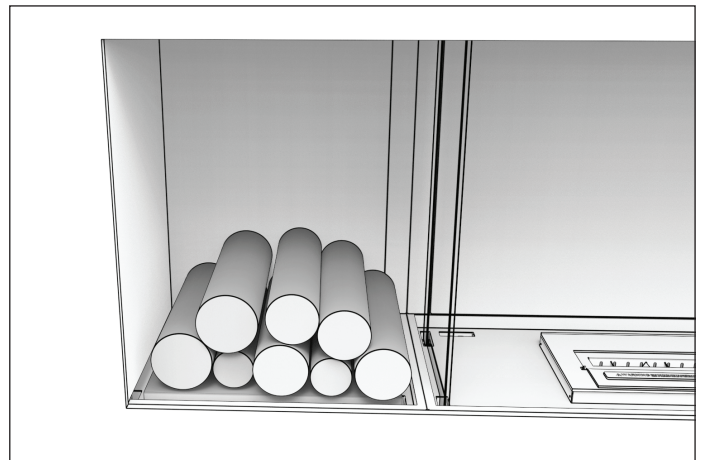
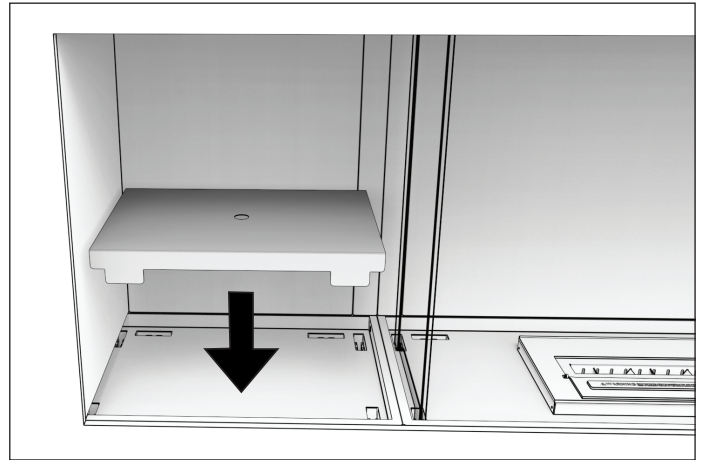
If the setting incorporates a mantel the minimum vertical and maximum horizontal dimensions to combustible mantel identified in the image below must be followed.



Minimum vertical and maximum horizontal dimensions of combustible mantel.

Warning! Risk of Fire! Comply with all minimum clearances to combustibles as specified. Framing or finishing material closer than the minimum listed must be constructed entirely of non-combustible materials.

For appliances with a decorative side box, an infill plate is provided to lift the material to align with the bottom edge of the appliance. Decorative boxes must only be used to hold non-combustible accessories/materials.



Decorative Steel Logs are available as an optional accessory. Please contact customerservice@ecosmartfire.com

thefire **company**

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V161117