



BK SERIES



This sophisticated burner design is the most independently tested of the range and has special safety features that eliminate many of the hazards common with most other brands on the market. The BK Series contains a number of unique design elements, including:

- A separate filling point and jerry can equipped with a no spill dangerous goods spout allows the burner to be refuelled safely and easily. The spout rests on a plate within the filling point to decrease the risk of over-filling the burner and eliminating the usual splash and spills that often occur when fuel is decanted into the burner.
- An additional safety measure that prevents the filling point from being accessed while the slider is open. This ensures the flame is fully extinguished before the burner can be refuelled.
- Perfectly aligned slider mechanism, filling point and fuelling system that allows an unobstructed view of the burner tank. This ensures the burner is not filled above the maximum capacity line.
- Easy flame control that allows you to regulate the amount of heat being generated, and therefore the amount of fuel consumed. This results in a highly economical and efficient burner.
- Operational accessories designed for safe and ergonomic fire ignition and extinguishing. BK's minimalist design and ability to withstand extreme heat result in consistent and reliable operation at all temperatures and permitted fuel levels.
- A deep-draw fabrication process that eliminates the potential for dangerous leaks, while the standard provision of a twin skin to hold the burner adds further peace of mind.

BK5



BK3



BK2



Fuel Type	Bioethanol
Materials	Stainless Steel
Application	Indoor & Outdoor

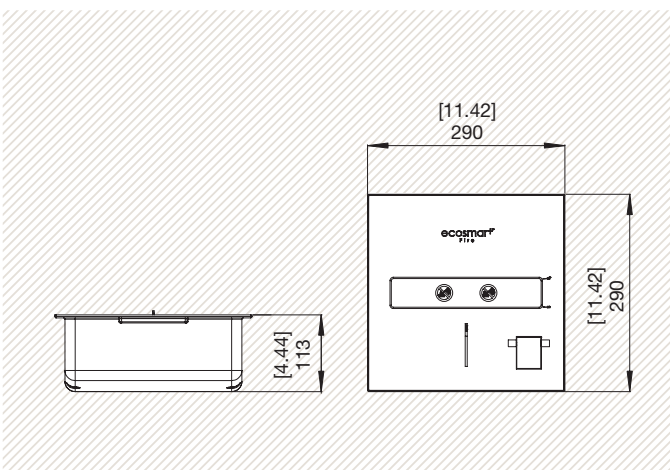
Included Accessories



Top Tray

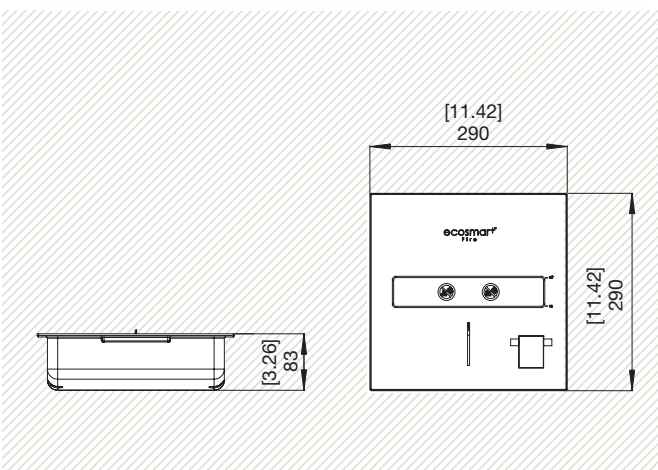
BK5

Awards	2004 Winner Design Mark Australian International Design Awards Sydney (AUS)
Volume Capacity	5 Litres [1.3 Gallons]
Heats on Average	Over 35m ² [376.7ft ²]
Fuel Consumption	0.64 Ltr/hr [0.17 Gal/hr] on MAX
Thermal Output Net (MAX)	14 MJ/h 13,000 BTU 3.5 Kw/h
Approx Burning Time	7 hours, 30 minutes
Ventilation	The room cannot be less than 70m ³ [2472ft ³] per burner.
Dimensions	H113mm W290mm D 290mm H 4.4in W11.4in D11.4in
Weight	5.1kg [11.3lbs]



BK3

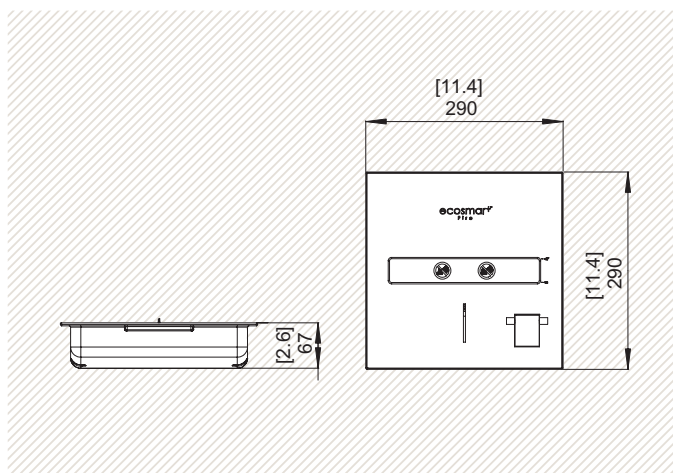
Volume Capacity	3 Litres [3 Quarts]
Heats on Average	Over 25m ² [269ft ²]
Fuel Consumption	0.46 Ltr/hr [0.12 Gal/hr]
Thermal Output Net (MAX)	9.04 MJ/h 8,565 BTU 2.51 Kw/h
Approx Burning Time	6 hours
Ventilation	The room cannot be less than 45m ³ [1589ft ³] per burner
Dimensions	H 83mm W 290mm D 290mm H 3.3in W11.4in D11.4in
Weight	4.7kg [10.4lbs]



BK2

Volume Capacity	2 Litres [2 Quarts]
Heats on Average	Over 25m ² [269ft ²]
Fuel Consumption	0.49 Ltr/hr [0.13 Gal/hr]
Thermal Output Net (MAX)	10.09 Mj/h 9,570 BTU 2.8 Kw/h
Approx Burning Time	4 hours
Ventilation	The room cannot be less than 45m ³ [1589ft ³] per burner
Dimensions	H 67mm W 290mm D 290mm H 2.6in W11.4in D11.4in]
Weight	4.2kg [9.9lbs]

Not available for independent sale. Only sold with C-UL US Listed models.



Clearances & Installation

Ensure that the mouth of the flame is positioned a minimum of 1500mm [59.1in] away from curtains, flammable materials and other sources of ignition. Be aware of drafts. The floor must be level and the Burner positioned on a flat surface. The Burner must only be placed into non combustibile materials and must be installed in accordance with the outlined safety requirements and clearances. Please send your drawings to your local representative to confirm the setting complies with the manufacturer's requirements prior to installation.

Burner Clearances

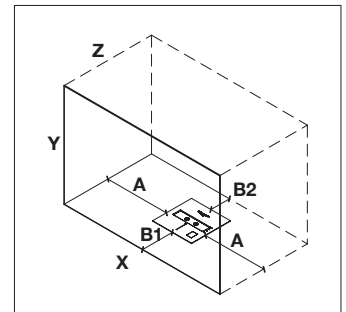
EcoSmart™ Fire Burners can be installed into two (2) types of settings.

A. Those that are encased by non-combustible materials similar to that which you would find in a traditional masonry set up. We refer to this installation type as **"WITHIN A FIREBOX SETTING"**

B. Those that are not encased by non-combustible materials and set up in a more modern setting without sides or a top. We refer to this installation type as **"WITHOUT A FIREBOX SETTING"**

A. INSERTING WITHIN A FIREBOX SETTING

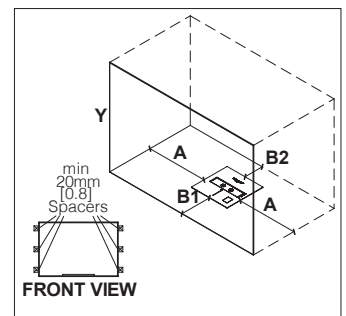
BURNERS	Firebox Width (X)	Firebox Depth (Z)	Overhead (Y)	Rear (B2)	Front (B1)
BK SERIES	650mm [25.6in]	365mm [14.4in]	650mm [25.6in]	30mm [1.2in]	45mm [1.8in]
XL900	1200mm [47.2in]	350mm [13.8in]	500mm [19.7in]	40mm [1.6in]	50mm [2.0in]
XL700	1000mm [39.4in]	350mm [13.8in]	500mm [19.7in]	40mm [1.6in]	50mm [2.0in]
XL500	800mm [31.5in]	350mm [13.8in]	500mm [19.7in]	40mm [1.6in]	50mm [2.0in]
XS340	450mm [17.7in]	300mm [11.8in]	450mm [17.7in]	65mm [2.6in]	45mm [1.8in]
AB8	650mm [25.6in]	450mm [17.7in]	800mm [31.5in]	30mm [1.2in]	45mm [1.8in]
AB3	400mm [15.7in]	350mm [13.8in]	500mm [19.7in]	30mm [1.2in]	45mm [1.8in]



e.g BK SERIES

B. INSERTING WITHOUT A FIREBOX SETTING

BURNERS	Overhead (Y)	Front (B1)	Nearest Combustible Radius (A)	Rear (B2) (Only if Non-combustible)*
BK SERIES	1500mm [59.1in]	45mm [1.8in]	600mm [23.6in]	30mm [1.2in]
XL900	1500mm [59.1in]	50mm [2.0in]	600mm [23.6in]	40mm [1.6in]
XL700	1500mm [59.1in]	50mm [2.0in]	600mm [23.6in]	40mm [1.6in]
XL500	1500mm [59.1in]	50mm [2.0in]	600mm [23.6in]	40mm [1.6in]
XS340	1500mm [59.1in]	45mm [1.8in]	600mm [23.6in]	65mm [2.6in]
AB8	1500mm [59.1in]	45mm [1.8in]	600mm [23.6in]	30mm [1.2in]
AB3	1500mm [59.1in]	45mm [1.8in]	600mm [23.6in]	30mm [1.2in]



e.g BK SERIES

***WARNING! Fire hazard. The rear wall should be non-combustible. If it is combustible, you must allow at least 600mm (23.6in.) clearance between the wall and the rear of the EcoSmart™ Fire.**

Custom made fireboxes must:

- Be made out of a non-combustible material such as stainless steel
- Be constructed to accommodate a Top Tray
- Have built in spacers of 20mm [0.8in] on all sides to ensure that it does not sit directly against any combustible materials and an air gap is incorporated for insulation around the box construction. The use of insulation wool is permitted.

The Fire Company Pty Ltd is not liable for any injuries or damages sustained through the use of custom made or privately commissioned Fireboxes. The Fire Company Pty Ltd recommends using the Burner in a firebox manufactured by The Fire Company Pty Ltd only. The Fire Company Pty Ltd is not liable for any injuries or damages sustained through the use of custom made or privately commissioned Fireboxes. As noted in warning 2ii, a fire extinguisher is strongly recommended.

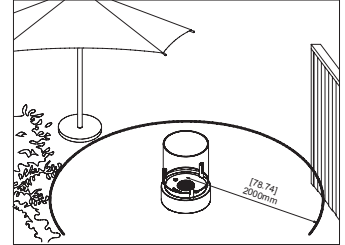
Clearances & Installation

Environmental Conditions

EcoSmart™ Fire Burners can be used both indoors and outdoors. When used indoors there must be a minimum of 1500mm [59.1in] between the mouth of the flame and the nearest combustible at all times. Make sure your fire is at least this distance away from curtains, etc. Be aware of drafts.

WARNING: Keep fire at least 1500mm [59.1in] away from any combustibles.

When used outdoors it is important that the model be positioned in a large open space ensuring that the nearest combustible (trees, branches, umbrellas, ceilings etc) are a minimum of 2000mm [78.74in] away in all weather conditions (for example, on windy days where there is movement in branches, the clearance must still be met). When not in use it is recommended that you protect the model from water damage or corrosion by covering. Protective covers are available for some models.



e.g Cyl, from Outdoor Range

Installation

There are many different variations available for installing the Burner. In all cases, the Burner must be:

- Installed into non-combustible material ONLY – for example stainless steel, concrete, brick, stone
- Installed after all gas connections or pipelines in the area are disconnected and made safe by an appropriately qualified and licensed professional
- Installed and operated in a fixed and secure position before filling, lighting and operating. Burners are not meant to be moved because movement creates the risk of accidental fuel spillages. If you move the Burner, make sure no fuel was spilled before you ignite the Burner.
- Models from each range (grate/renovator/designer/outdoor) have varied installation requirements. Be sure to refer to the specific section of the manual for the detailed requirements of the model purchased.

The best location for your Fire will be one that is:

- In a large, open space at least 1500mm [59.1in] away from any combustible materials, such as curtains, wallpaper, veneer, etc.
- On a level floor – the floor can be made of any material.
- In a firebox made of non-combustible materials, such as steel, concrete, brick, or stone.
- Positioned so that any accumulation of weather debris/pooling of water is eliminated
- NOT INSTALLED DIRECTLY BESIDE OR NEAR WALLPAPER, LAMINATE, VENEER OR ANY SURFACE THAT HAS NOT BEEN FIRE RATED (THE HEAT WILL IMPACT THE MATERIAL). REFER TO PRODUCT SPECIFICATION OF WALLPAPER, LAMINATE, VENEER OR GLUE FOR HEAT TOLERANCES
- Installed into a setting that has a straight back – the incorporation of angled backs alters the aerodynamics of the flame environment and could lead to an unstable flame behaviour
- Fitted within a Top Tray which is not more than 200% the size of the total Burner size.

Note that:

- Any furniture items or fittings directly above or beside the Burner installation must be deemed suitable for heat tolerances by their manufacturer e.g electronic items including screens and entertainment equipment, wallpaper, laminates, veneers, glues, reconstituted materials
- A heat reflective panel made of non combustible material (ideally stainless steel) must be installed as the surround and top of the fireplace setting to assist in heat distribution. The Fire Company Pty Ltd is not liable for any injuries or damages sustained through the use of panels not manufactured by The Fire Company Pty Ltd
- Glass or mirrored surfaces near the Burner installation must be toughened.
- **In some countries national or rural restrictions may apply and/or approvals from building authorities may be required. Please ensure you contact the appropriate parties before installing your EcoSmart™ Fire.**

WARNING! FIRE HAZARD. BURNERS HAVE BUILT-IN SPACERS ON ALL EXTERNALSIDES. DO NOT PACK THESE WITH INSULATION OR OTHER MATERIALS. THE AIR SPACES ARE NEEDED FOR PROPER VENTILATION OF THE BURNER.

As noted in warning 2ii, a fire extinguisher is strongly recommended.

CONVERTING AN EXISTING FIREPLACE:

If inserting an Burner into an existing masonry fireplace, adjust the damper within the existing fireplace in order to keep the heat from escaping through the flue.

Clearances & Installation

Top Tray

The incorporation of a Top Tray into your setting protects against heat transference and aids in the collection of accidental spillage. Some models come with Top Trays, others do not. Top Trays are available as an accessory through The Fire Company or your local distributor.

If utilising a Top Tray that is not supplied, The Fire Company Pty Ltd is not liable for any injuries or damages sustained through the use of Top Trays not manufactured by The Fire Company Pty Ltd;

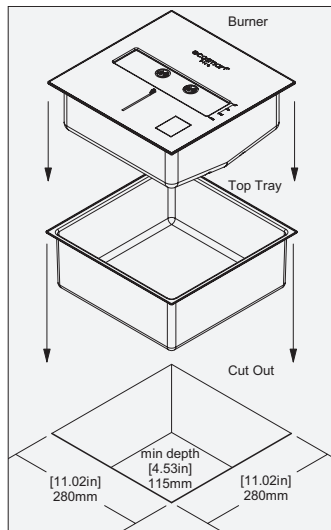
When installing multiple Burners a maximum of three (3) Burners may be installed into the one Top Tray (excluding the XL Series which can only have one (1) Burner per Top Tray). With multiple Burner installations you should consider the impact of any accident and design the installation to minimise the impact whenever possible. Contact your local distributor about design and analysis recommendations in order to consider and minimise impacts.

The Top Tray when included with the model are to be fitted directly into the Burner shelf from above. The Burner is then inserted into the Top Tray setting and sits flush - as illustrated below for the BK SERIES.

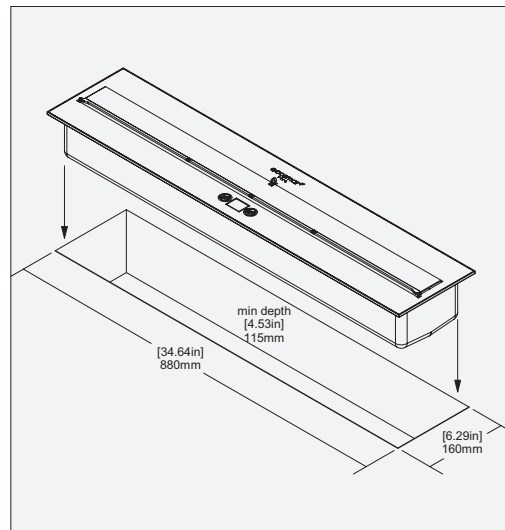
The size of the cut-out should not give more than 5mm [0.196in] clearance.

Top Trays must not be more than 200% of the total size of the corresponding Burner.

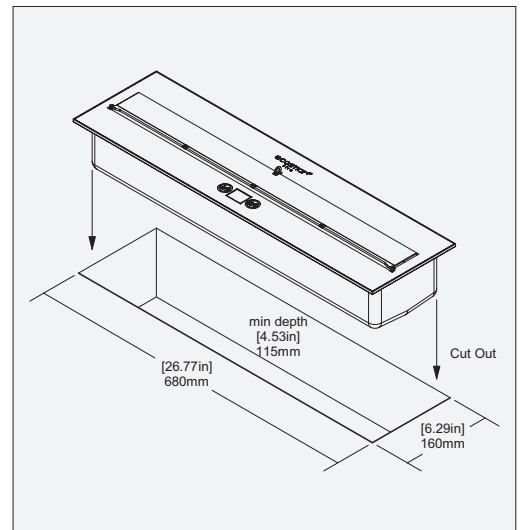
Burner cut outs



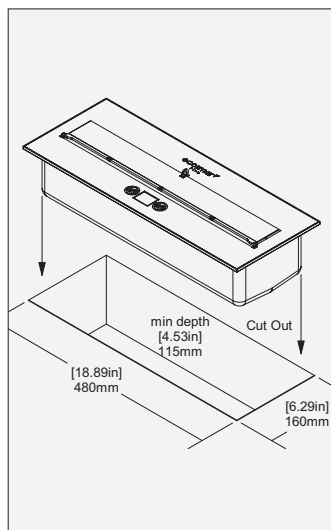
BK SERIES



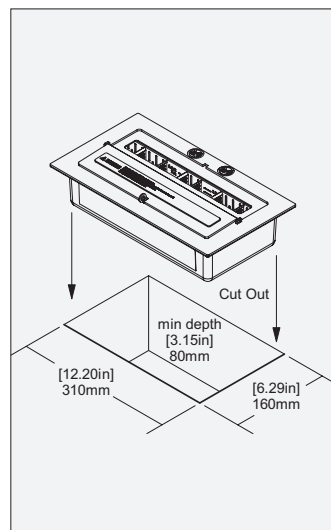
XL900



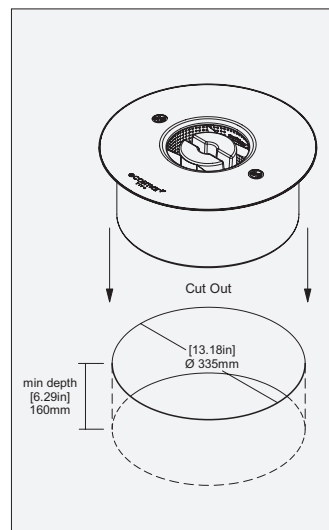
XL700



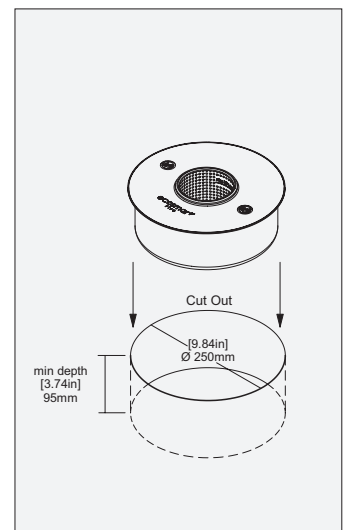
XL500



XS340



AB8



AB3