

LARGE FLAMBEAUX



Product Features

The Large Flambeaux combines a large spun bowl with a fabricated stand which can be adjusted in height to suit your requirements. This combination provides a free standing burner arrangement that can be fitted into larger vessels. The unit shown here was mounted into a Bronze bowl at a monument in Constitution Hill. The Unibox controller is fitted within a locally mounted control cabinet with a large 240v gas solenoid valve fitted to the burner stand. This option produces much larger flame sizes for large applications where the normal flambeaux flame pictures would be too small.

Features

The Large Flambeaux has a spun aluminium bowl fitted to a galvanised steel stand. The stand height must be specified when ordering to ensure the burner bowl is projected to a height that is visible from the ground.

Control Gear

The Unibox 008 is fitted within a control cabinet, all terminations are already made with a relay fitted to operate the 240v solenoid required for large gas volumes. This provides the installer with a simple gas connection; the Unibox controller will require a 240v - 5 amp supply. The burner is ignited by two hot surface ignitors and controlled by two thermocouples that feed back to the Unibox for safe flame failure operation.

Tips - Plug and Socket

The plug and socket that connects the burner to the wiring loom has been chosen for its weather resistance and ease of use. It is not heat resistant and must be located away from any heat source. This should be carefully positioned during commissioning. When performing maintenance tasks that require the plug and socket to be removed, or when replacing the mid mounting plate, please ensure that it is secured tightly back into its original position. Spare plugs and sockets are available upon request from Sugg Lighting, as well as pre-wired looms with plugs rewired and sealed against water ingress. Cable loom lengths must be specified when ordering. Connection methods on older units are different, to reuse the wiring looms a conversion loom is available upon request when a new Unibox is required.

Options

Mounting Options

The Large Flambeaux is mounted via three fixing bolts one on each leg of the stand. The incoming gas is connected to the solenoid and the power for the control cabinet, and Unibox, enters through a gland in the control cabinet. A control cabinet can be supplied with a loom up to 10M long; other standard loom lengths are 3M and 5M. Length of loom must be specified when ordering.

Variations

Gas Types

The units are approved to run on both natural and LPG gases. The correct pressures should be achieved to ensure a reliable operation and good flame picture. All other gas appliances must be considered when sizing the gas pipes and regulators for these units.

Finish Variations

As standard the Large Flambeaux is supplied in aluminium but copper and painted finishes are also available

Flambeaux Construction

The Flambeaux bowl is manufactured from aluminium.

Materials

Burner

Stainless steel burner can and anti-rollover plate complete with brass jets and air chambers.



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Typical Specification

The Large Flambeaux head will measure **800mm** in diameter and **240mm** in height. The fabricated stand is supplied with three legs, each with a fixing at **403mm** centres, this is supplied fully welded and galvanised. The Flambeaux will be supplied with a **200,000 btu** medium burner assembly comprising of 2 s HSI's and 2 x TC's. The Large Flambeaux will be supplied jetted and aerated for **LPG** gas. The unit will require a gas supply of **200,000 btu's** of gas per hour at a regulated pressure of **30mbar+/-1**. **Also a fused 240v AC** - 5A supply is required to the Unibox controller fitted within the control cabinet, for control switching. This can run via a time clock. The gas solenoid is fitted below the burner to ensure the minimum of gas is left within the pipes when switched off. The Unibox is pre fitted within the control cabinet for ease of maintenance.

Please note, items highlighted in bold can be changed using the options available

Applications

The Large Flambeaux shown here was supplied for a roof top pool area at a hotel on the Corniche in Jeddah, Saudi Arabia. The circular column support channel is seventeen floors up and ten 200,000 btu large flambeaux were supplied to provide a flaming crown for this penthouse area, which can be seen for miles when approaching the centre of Jeddah.

Note: These appliances are available for the following gas types.

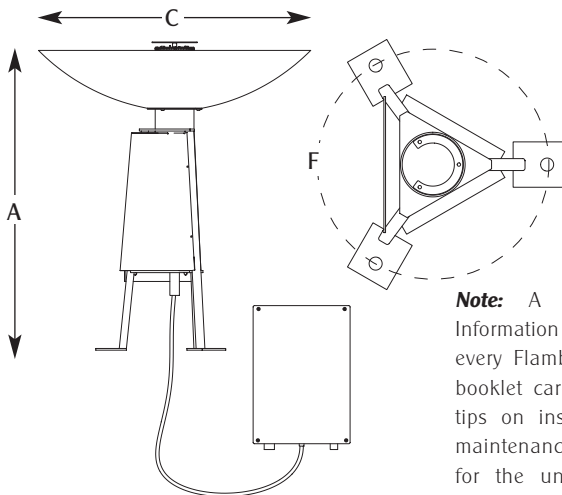
Natural gas, category I ₂ H (20)	Austria (AT), Denmark (DK), Finland (i), Greece GR, Italy (IT) Norway (NO), Portugal (PT), Spain (ES), Sweden (SE), Switzerland (CH0).
Natural gas, category I ₂ E (20)	Germany (DE), Luxembourg (LU).
Natural gas, category I ₂ Er (20/25)	France (FR).
Natural gas, category I ₂ E+ (20/25)	Belgium (BE).
Propane gas, category I ₃ P (37)	France (FR), Belgium (BE), Spain (ES), Switzerland (CH), Portugal (PT).

This appliance has been assessed by a notified body and shown to meet the Essential Requirements of the European Gas Appliance Directive.

(Extra care should be taken with propane as additional ventilation may be required).



Options



Note: A Flambeaux Technical Information booklet is supplied with every Flambeaux. Please read the booklet carefully as this will give tips on installation and ongoing maintenance. Spare parts listings for the units are also included along with fault diagnosis routines and wiring diagrams for engineers. To download this booklet please log on to our web site

DIMENSIONS	Lge Flambeaux	Boxed
A Overall Height	TBSmm	TBSmm
B Outreach	N/A	
C Diameter/Width	800mm	800mm
E Tube Diameter	N/A	
F Flange Diameter	403mm	
Windage Area		
Weight	TBSkg	TBSkg

Power	110v	240v	AC
Loom	3M	5M	10M

BURNER NAME	Med. Dble. 100	Med. Dble.200
Approx Flame Height mm	750	1200
Burner Dia. mm	115	115
Input Btu/h	100,000	200,000
Input kW	29.3	58.6

Natural Gas		
Aeration	2x6.35 mm	2x6.35 mm
Gas Rate f³/h	98.4	196.85
Gas Rate m³/h	2.79	5.57
Bnr.Press mbar	16+/-1	13+/-1

Propane LPG		
Aeration	4x6.35 mm	4x6.35 mm
Gas Rate f³/h	40	80
Gas Rate m³/h	1.13	2.26
Wt of LPG lbs/h	4.71	9.42
Wt of LPG kgs/h	2.14	4.27
Bnr.Press mbar	30+/-1	30+/-1