

FLUTED BOWL FLAMBEAUX



Product Features

The Fluted Bowl Flambeaux provides a traditional style cast bowl with a fabricated steel spigot mounting for attaching to a variety of new or existing columns and pedestals. The unit shown here is mounted to a Sugg cast iron pedestal, which has an enclosure with door, in the base, to house the Unibox. For all other mounting options the controller is fitted remote from the unit and must be located within 10M of the burner.

Features

The Fluted Bowl Flambeaux has a cast aluminium bowl powder coated black RAL 9005, as standard, mounted on a steel galvanised spigot to support the burner, and to house the plug and socket connections. Spigot sizes must be specified as a reducer may be required for fixing to the existing column spigots.

Control Gear

The Unibox 008 is fitted remote from the bowl, all terminations are already made. This provides the installer with the freedom of location for the Unibox and solenoid; the 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 operations.

Tips - Pipesize

The pipe sizing should be carried out in accordance with standard calculation procedures, using the gas rates extracted from the burner chart, any additional appliances on the same supply should also be considered. Whilst the gas supply may not be as critical as for more standard appliances, the flame picture performance, including its ability to withstand poor weather conditions, will be affected by an insufficient supply. Each burner is provided with a pressure test point to enable an operating pressure and standing pressure check to be made on installation. All pipe work must be checked for gas soundness.

Options

Mounting Options

The Fluted Bowl Flambeaux is mounted via a steel spigot. This can be made to attach to a number of cast columns or pedestals. Caution should be taken when mounting the bowls with regard to building overhangs and opening windows.

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 pipes and meters for these units.

Finish Variations

As standard the Fluted Bowl is supplied as a cast aluminium bowl with a short steel galvanised spigot, both supplied painted black RAL 9005. All steel parts are fully welded and galvanised for a durable finish.

Flambeaux Construction

The bowl is made from cast aluminium, the spigot adaptor is made from steel which is galvanised. Both are painted black RAL 9005.

Materials

Bowl

Made in cast aluminium, spigot fabricated steel.

Burner

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

© Sugg Lighting reserve the right to change the construction of their products without prior consultation. This ensures that product developments and continued improvements are maintained.



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Typical Specification

The Fluted Bowl Flambeaux head will measure **480mm** in diameter and **412mm** in height, including the small spigot adaptor. It is supplied with a fixing for a **89mm** spigot which is painted **black RAL 9005** powder finished. The Fluted Bowl Flambeaux has three equidistant machine socket screws to locate the unit onto the column spigot. The Flambeaux will be supplied with a **50,000 btu** medium burner assembly comprising of 2 x HSI's and 2 x TC's. The Fluted Bowl Flambeaux will be supplied jetted and aerated for **LPG** gas. The unit will require a gas supply of **50,000 btu's** of gas per hour at a regulated pressure of **36mbar +/-1**. Also a fused **240v AC - 5A** supply is required to the Unibox controller, for control switching. This can run via a time clock but will require independent isolation. The gas solenoid is located as near to the burner as possible to ensure the minimum of gas is left within the pipes when switched off. A **10M** wiring loom is supplied and fitted with a plug and socket to the burner end and a set of smaller plugs connected to the Unibox. It is advisable to fit the Unibox within a water tight enclosure to ensure a reliable operation.

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

Applications

The Fluted Bowl Flambeaux shown here is fitted to the original pedestals surrounding the Institute of Directors Building in Pall Mall. The twenty six flambeaux all have remote Unibox controls and are lit for special events being switched from within the building.

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

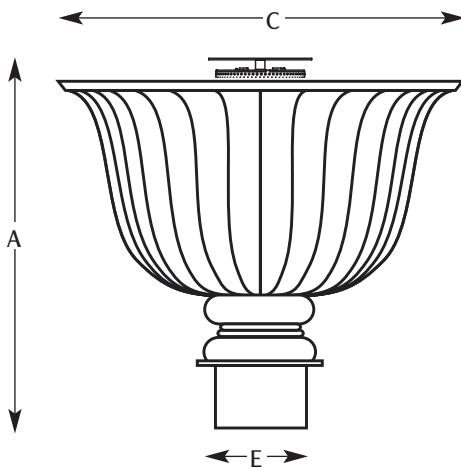
Natural gas, category I2H (20)	Austria (AT), Denmark (DK), Finland (i), Greece (GR), Italy (IT), Norway (NO), Portugal (PT), Spain (ES), Sweden (SE), Switzerland (CH0).
Natural gas, category I2E (20)	Germany (DE), Luxembourg (LU).
Natural gas, category I2Er (20/25)	France (FR).
Natural gas, category I2E+ (20/25)	Belgium (BE).
Propane gas, category I3P (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

BURNER NAME	Med 30	Med. Dble.50
Approx Flame Height mm	425	600
Burner Dia. mm	115	115
Input Btu/h	30,000	50,000
Input kW	8.8	14.6

Natural Gas		
Aeration	1x3.175 mm	1x6.35 mm
Gas Rate f ³ /h	29.5	49.2
Gas Rate m ³ /h	0.81	1.39
Bnr.Press mbar	18.5+/-1	16+/-1

DIMENSIONS	Fluted Bowl	Boxed
A Overall Height	412mm	430mm
B Outreach	N/A	N/A
C Diameter/Width	480mm	500mm
E Tube Diameter	114mm	
F Flange Diameter	N/A	
Windage Area	0.12m ²	0.7m ³
Weight	16kg	18kg

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

Propane LPG		
Aeration	2x6.35 mm	2x6.35 mm
Gas Rate f ³ /h	12	20
Gas Rate m ³ /h	0.34	0.57
Wt of LPG lbs/h	1.4	2.33
Wt of LPG kgs/h	0.64	1.07
Bnr.Press mbar	36+/-1	36+/-1