

# BRIGHTON FLAMBEAUX



## Product Features

The Brighton Wall Mounted Flambeaux provides a stylish range of bowls with a fabricated steel bracket that has four mounting points for attaching to a wall. The controller is fitted as part of the bracket to ease installation and ongoing maintenance.

### Features

The Brighton Flambeaux has an aluminium bowl as standard (copper version shown) which is powder coated black RAL 900. This is mounted onto a steel galvanised bracket with the controller, and gas solenoid valve, built into the bracket for ease of installation.

### Control Gear

The Unibox 008 is supplied fitted to the wall mounted bracket, all terminations are already made and the gas solenoid valve is fitted within the bracket. This provides the installer with the connection for the gas supply and the provision of a 240v AC - 5 amp supply for the Unibox. The burner is ignited by two hot surface ignitors and controlled by two thermocouples that feed back to the Unibox for the flame failure operation.

### Tip - Operation of Unibox

The following LED sequencing will assist in fault diagnosis and indicate where the fault may be, so showing the part that may need attention. On wall mounted controllers where they form part of the bracket these sequences can be viewed from the ground.

Green LED on	= power on
Red LED slow flash	= HSI heat up sequence
Red LED fast flash	= solenoid open
Red LED off	= lock on flame lit
Permanent red LED	= fault

In fault condition check the fault finding chart as found in the technical booklet supplied with the flambeaux.

## Options

### Mounting Options

The Brighton Wall Mounted Flambeaux has a modern fabricated steel bracket which has a built in controller. It also has two decorative arms attached to the termination housing below the bowl.

### 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 Brighton is supplied with an aluminium bowl and steel galvanised bracket painted black RAL 9005. All steel parts are fully welded and galvanised for a durable finish. Copper, satin polished aluminium and stainless steel bowls are available upon request, as are other RAL colours.

#### Flambeaux Construction

The bowl is spun aluminium, the bracket and fixing plate are made from steel, galvanised then painted black RAL 9005.

## Materials

#### Bowl

Bowl, spun aluminium, copper or stainless steel.

#### Burner

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

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## Typical Specification

The Brighton wall mounted Flambeaux head will measure **550mm** in diameter while, the wall bracket is 558mm in height. It is supplied with a **copper** bowl with the wall bracket painted in **black RAL 9005** powder finish. The Brighton Flambeaux has fixing holes at 569mm x 159mm centres within the wall mounting plate. The Flambeaux will be supplied with a **30,000 btu** medium burner assembly comprising of 2 x HSI's and 2 x TC's. It will be supplied jetted and aerated for **Natural** gas. The unit will require a gas supply of **30,000 btu's** of gas per hour at a regulated pressure of **18.5mbar +/-1**. Also a fused **240v AC** - 5 amp 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 valve is located within the wall bracket mounting, a wiring loom is supplied, and fitted, with a plug and socket fitted to the burner end and a set of smaller plugs connected to the Unibox.

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

## Applications

The Brighton Flambeaux is a modern wall mounted unit, shown here on a restaurant front with the polished copper bowl and black wall bracket. The controller is part of the bracket and with the external LED's, simple fault diagnosis can be achieved from the ground,

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

Natural gas, category I<sub>2H</sub> (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<sub>2E</sub> (20) Germany (DE), Luxembourg (LU).

Natural gas, category I<sub>2Er</sub> (20/25) France (FR).

Natural gas, category I<sub>2E+</sub> (20/25) Belgium (BE).

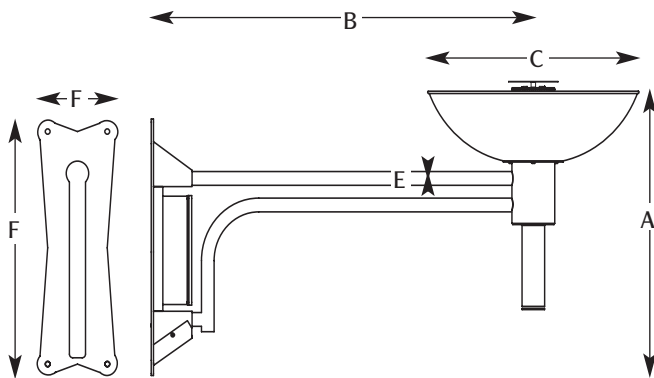
Propane gas, category I<sub>3P</sub> (37) France (FR), Belgium (BE), Spain (ES), Switzerland (CH), Portugal (PT).

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

<b>Power</b>	110v	240v	AC
<b>Loom</b>	3M	5M	10M

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 <sup>3</sup> /h	29.5	49.2
Gas Rate m <sup>3</sup> /h	0.81	1.39
Bnr.Press mbar	18.5+/-1	16+/-1

DIMENSIONS	Brighton 450	Brighton 550	BOXED
<b>A Overall Height</b>	558mm	558 mm	558mm
<b>B Outreach</b>	1000mm	1000mm	1150mm
<b>C Diameter/Width</b>	450mm	550mm	170mm
<b>E Tube Diameter</b>	42mm	42mm	
<b>F Flange Diameter</b>	159 x 569mm	159 x 569mm	
<b>Windage Area</b>	0.3m <sup>2</sup>	0.3m <sup>2</sup>	1.09m <sup>3</sup>
<b>Weight</b>	26kg	26kg	30kg

Propane LPG		
Aeration	2x6.35 mm	2x6.35 mm
Gas Rate f <sup>3</sup> /h	12	20
Gas Rate m <sup>3</sup> /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