

# BOWL FLAMBEAUX



## Product Features

The Bowl Flambeaux gives flexibility and the design freedom to incorporate a modular flambeaux into an existing structures. The aluminium bowl and adjustable stands enable a range of mounting heights. The flambeaux to the left is a 550mm, copper polished, bowl fitted to a Southport Pedestal which is cast aluminium with a remote gas solenoid valve and Unibox.

### Features

The standard aluminium bowl and stainless steel anti-roll over plate, for the burner assembly, provides a durable easy to maintain combination of equipment. The bowls are available in three sizes and can be fitted within other structures or on their own.

### Control Gear

The Unibox 008 needs to be mounted in a dry location less than 10M from the burner head. The wiring loom is supplied pre-terminated, with plugs and sockets, to make the connection required to run the unit. When supplying ducting for the cables please ensure that sufficient room is provided for the plug on the burner end of the loom, plug diameter 20mm. The burner is ignited by two hot surface ignitors and controlled by two thermocouples that feed back to the Unibox for safe operation.

### Tips - Environmental

The Flambeaux has been designed to operate over a wide range of weather conditions. There are, however, extreme conditions where the burner will not work and this should be taken into account in the event of an apparent failure. With a time clock the flambeaux will reset on the next switching cycle. It is important to ensure that the flame is not positioned under any building overhangs or planting. Also, as the flame is designed to have plenty of colour, a by product will be some sooting, this is more evident with LPG and should be a consideration on light coloured stone building fascia's. If this product is fitted within 2M of an opening window we would recommend a carbon monoxide detector is fitted to give peace of mind, in the interest of health and safety.

## Options

### Mounting Options

The Bowl Flambeaux small pedestal mounts to a surface by means of a galvanised steel flange plate. This can be secured and the gas supply, and cables, can enter through the centre tube, which has a diameter of 114mm and a minimum height of 420mm.

### 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 meters.

#### Finish Variations

The bowl will be supplied in natural aluminium, however this can be satin polished or powder coated to a RAL colour. Paint may burn off from the bowl edges in time. Stainless steel, brass and copper are also available upon request.

#### Flambeaux Construction

The bowls are manufactured from aluminium, copper, brass or stainless steel, depending on specification. The stands can be made from galvanised steel, aluminium, or stainless steel for coastal applications.

## Materials

#### Bowl

Bowls are 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

Sugg Lighting pedestal mounted spun Bowl Flambeaux. The spun bowl will measure **550mm** in diameter and **220mm** in height and is supplied in a spun **aluminium natural** finish. 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 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 to the unibox controller for control switching. If the solenoid is to be housed in an enclosure it should be vented to reduce the possibility of gas build up, in the event of a leak within the pipe work system. A **10M** loom will be supplied with a plug and socket for the burner connection, and a set of smaller plugs for connection to the Unibox. The support flange plate will be mounted on studs that will pass through the existing decorative bowl (made by an other), with four sets of adjusting nuts and washers that can be used to adjust the finished height of the flambeaux burner. The Unibox controller, and the gas control valve, must be mounted no further than **10M** from the flambeaux, and ideally beneath the bowl for the solenoid, to ensure the minimum of gas is left within the pipe work when switched off. 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

Six Sugg Lighting 550mm diameter Bowl Flambeaux luminaries were supplied to the new Radisson SAS Hotel in Djerba, Tunisia to illuminate their new reflection pool. The project uses a combination of down lights and colour projectors to colour the water in conjunction with the gas flame units. This combination provides the flame movement that reflects in the water. The flambeaux are controlled via an electronic Unibox 008 controller situated in a pump room below the restaurant decking. The units are switched individually for ease of operation, and provide a stunning illuminated addition to this modern restaurant area.

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

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

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

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

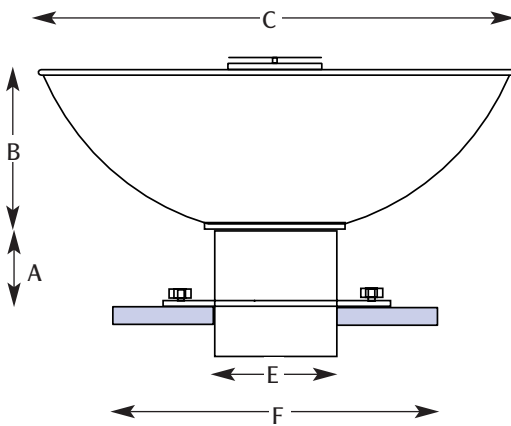
Propane gas, category I<sub>3</sub>P (37) France (FR), Belgium (BE), Spain (ES), Switzerland (CH), Portugal (PT).

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

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

BURNER NAME	Med. Dble.50	Med. Dble. 100
Approx Flame Height mm	600	750
Burner Dia. mm	115	115
Input Btu/h	50,000	100,000
Input kW	14.6	29.3

Natural Gas		
Aeration	1x6.35 mm	2x6.35 mm
Gas Rate f <sup>3</sup> /h	49.2	98.4
Gas Rate m <sup>3</sup> /h	1.39	2.79
Bnr.Press mbar	16+/-1	16+/-1

DIMENSIONS	450 Bowl	550 Bowl	800 Bowl	Boxed
<b>A Overall Height</b>	TBSmm	TBS mm	TBSmm	500mm
<b>B Outreach</b>	220mm	220mm	220mm	
<b>C Diameter/Width</b>	450mm	550mm	800mm	650mm
<b>E Tube Diameter</b>	114mm	114mm	114mm	
<b>F Flange Diameter</b>	200mm	200mm	200mm	
<b>Windage Area</b>	0.06m <sup>2</sup>	0.08m <sup>2</sup>	0.13m <sup>2</sup>	
<b>Weight</b>	4kg	5kg	6kg	7kg

Propane LPG		
Aeration	2x6.35 mm	4x6.35 mm
Gas Rate f <sup>3</sup> /h	20	40
Gas Rate m <sup>3</sup> /h	0.57	1.13
Wt of LPG lbs/h	2.33	4.71
Wt of LPG kgs/h	1.07	2.14
Bnr.Press mbar	36+/-1	30+/-1