

# POND FLAMBEAUX



## Product Features

The Pond Flambeaux combines both fire and water which is visually very striking as the flame picture tracks across the water towards the observer giving an improved flame visibility. The unit shown here is mounted to a fabricated pedestal secured to the base of the pond, the controller is fitted remote from the unit but must be located within 10M of the burner.

### Features

The Pond Flambeaux has a spun detailed ring above the water to finish the unit. This is mounted on to a steel galvanised spigot to support the burner and to house the plug and socket connections. Spigot heights must be specified to ensure the burner position in relation to the water level, a lower version is also available.

### 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 of the solenoid and the Unibox, which can be positioned up to 10M away from the burner. The controller will require a 240v AC - 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 - Solenoids

For models up to 14.65kW (50,000 Btu/h) a standard weatherproof IP rated version of the solenoid is provided and is capable of being fitted in exterior locations. Standard weatherproof model: type ERA single solenoid gas valve, 1/4" BSP 12v DC normally closed. A high capacity 240v solenoid is provided for natural gas applications above 29.3kW (100,000 Btu/h). Replace faulty items with approved components as the system is balanced for optimum performance. These can be obtained from Sugg Lighting Ltd.

## Options

### Mounting Options

The Pond Flambeaux is mounted via a steel spigot which has a flange that bolts to the base of the pond, the incoming gas and power from the Unibox enters through the centre of the tube. It is essential that the unit has a drain from the bowl to a soak away to prevent the burner flooding. The unit can also be lowered to the water and a simple spun aluminium ring added to finish the unit. Ducting can be brought up into the spigot stand and sealed within the 114mm tube to prevent water ingress.

### 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 for these units.

#### Finish Variations

As standard the Pond Flambeaux is supplied with a spun polished copper skirt. A satin polished aluminium flange is available as an option. With the lower to the water option a polished aluminium ring is supplied.

#### Flambeaux Construction

The Flambeaux head is manufactured from stainless steel. The spigot adaptor is made from steel which is then galvanised for durability.

## Materials

#### Torch

Torch made from stainless steel; the 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 Pond Flambeau head will measure **410mm** in diameter and 178mm in height, the 114mm diameter spigot height will be **500mm**, and is supplied with a flange for fixing; this being 150mm square with four fixings at 120mm centres. This is supplied fully welded and galvanised. 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 Pond Flambeaux will be supplied jetted and aerated for **Natural** gas. The unit will require a gas supply of **50,000 btu's** of gas per hour at a regulated pressure of **16mbar +/-1**. Also, a fused **240v AC** - 5 amp supply is required to the Unibox controller, for controlled switching. This can run via a time clock but will require independent isolation. The 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 is fitted with a socket to the burner end and a set of smaller plugs for connecting 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 Pond Flambeaux shown here is fitted to short pedestals secured to the pond base and an aluminium decorative skirt is fitted to raise the unit above the water. This is a small reflection pond complete with ornamental fish within a hotel function area.

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

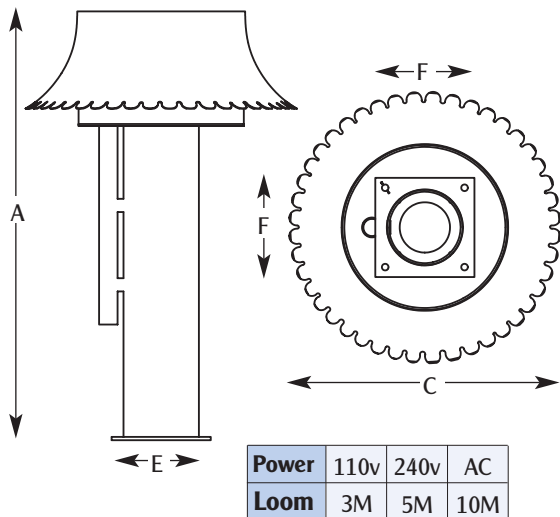
Natural gas, category I <sub>2</sub> H (20)	Austria (AT), Denmark (DK), Finland (i), Greece GR), Italy (IT) Norway (NO), Portugal (PT), Spain (ES), Sweden (SE), Switzerland (CH0).
Natural gas, category I <sub>2</sub> E (20)	Germany (DE), Luxembourg (LU).
Natural gas, category I <sub>2</sub> Er (20/25)	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

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	SmallPond	Large Pond	Boxed
<b>A Overall Height</b>	TBSmm	TBS mm	TBSmm
<b>B Outreach</b>	N/A	N/A	
<b>C Diameter/Width</b>	410mm	630mm	650mm
<b>E Tube Diameter</b>	114mm	114mm	
<b>F Flange Diameter</b>	150mm	150mm	
<b>Windage Area</b>	N/A	N/A	N/A
<b>Weight</b>	6kg + Tube	10kg+ Tube	10kg + Tube

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