

OLYMPIAN FLAMBEAUX



Product Features

The Olympian Flambeaux combines a large spun bowl with a tapered satin polished aluminium column. This combination provides a free standing burner arrangement which contains all the controls within the column unit. The unit shown here is mounted in the front of a restaurant, which has a thatched roof preventing any flambeaux being mounted to the building fabric. The Unibox controller and gas solenoid valve are fitted within the column and are accessed for maintenance, by removing the flush door.

Features

The Olympian Flambeaux has a spun satin polished aluminium bowl fitted to a satin polished column. The column height must be specified when ordering, we would recommend a minimum height of 2.3M for personal safety; the column can be supplied up to 3M in height

Control Gear

The Unibox 008 is fitted within the column, all terminations are already made. This provides the installer with a simple gas connection. The Unibox controller will require a 240v AC - 5A 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 - Hot Surface Ignitors

Ignition of natural gas requires a temperature of approximately 1200 degrees centigrade. The hot surface ignitor will produce an average temperature of 1450degrees centigrade at 12 volts DC, -15% +10%. The hot surface ignitor draws a variable current between 1.6 and 2.4 amps at 12volts. The ignitor cycle lights the individual HSI's in turn through the 8 cycles. If neither hot surface ignitor glow, check the glass fuses, if fused check for a short circuit within the wiring, or replace the HSI's.

Options

Mounting Options

The Olympian Flambeaux is mounted via a flange which bolts to a ground foundation, the incoming gas and power for the Unibox enters through the centre of the flange. It is essential that the unit be able to drain from the base of the column, this can easily be achieved by shimming up the mounting flange, to provide a gap between the flange and the foundation. This will keep the column free of condensation and also prevent the column filling with water in the event of water ingress, this will also improve general ventilation within the column.

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 Olympian Flambeaux is supplied in satin polished aluminium.

Flambeaux Construction

The flambeaux head and column are manufactured from aluminium with both being satin polished to match. The column height can be supplied up to a maximum of 3M in height.

Materials

Bowl

The bowl is spun aluminium.

Burner

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

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Typical Specification

The Olympian Flambeaux head will measure **800mm** in diameter and **2.4M** in height. The tapered column is supplied with a mounting flange for fixing, 400mm square with four fixings at 300mm centres, this is supplied fully welded and satin polished. 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 Olympian Flambeaux will be supplied jetted and aerated for **Natural** gas. The unit will require a gas supply of **50,000btu's** of gas per hour at a regulated pressure of **16mbar +/-1**. Also a fused **240v AC** - 5A supply is required to the Unibox controller, for control switching. This can run via a time clock and is connected to the Unibox within the column. The gas solenoid valve is fitted within the column to ensure the minimum of gas is left within the pipes when switched off. The Unibox is pre fitted within the column and is accessible via a flush door for ease of maintenance.

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

Applications

The Olympian Flambeaux shown here is a special variation. This unit was constructed to a designer's requirements and has a special burner running at 200,000btu's. This has now been running since the turn of the millennium for the people of Bournemouth. The bowl and column were specially made in stainless steel with a cast coupling between the two, but the dimensions are not dissimilar to the standard Olympian Flambeaux.

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.

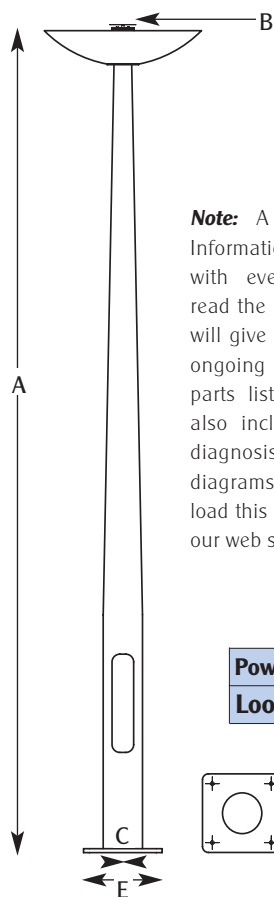
(Extra care should be taken with propane as additional ventilation may be required).



DIMENSIONS	Lqe Olympian	BOXED
A Column Height	TBS mm	TBS mm
B Burner Height	N/A	
C Diameter/Width	800mm	800mm
E Tube Diameter		250mm
E Flange Diameter	400mm	
Windage Head Only	0.13 m ²	0.16 m ³
Weight Head Only	7 kg	9 kg

TBS = To be specified.

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

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



BURNER NAME	Med.	Med. Dble.50	Med. Dble. 100	Med. Dble.200
Approx Flame Height mm	425	600	750	1200
Burner Dia. mm	115	115	115	115
Input Btu/h	30,000	50,000	100,000	200,000
Input kW	8.8	14.6	29.3	58.6

Natural Gas				
Aeration	1x3.175 mm	1x6.35 mm	2x6.35 mm	2x6.35 mm
Gas Rate f³/h	29.5	49.2	98.4	196.85
Gas Rate m³/h	0.81	1.39	2.79	5.57
Bnr.Press mbar	18.5+/-1	16+/-1	16+/-1	13+/-1

Propane LPG				
Aeration	2x6.35 mm	2x6.35 mm	4x6.35 mm	4x6.35 mm
Gas Rate f³/h	12	20	40	80
Gas Rate m³/h	0.34	0.57	1.13	2.26
Wt of LPG lbs/h	1.4	2.33	4.71	9.42
Wt of LPG kgs/h	0.64	1.07	2.14	4.27
Bnr.Press mbar	36+/-1	36+/-1	30+/-1	30+/-1