

CONE FLAMBEAUX



Product Features

The Cone Flambeaux provides a rolled aluminium, powder coated, black torch body on a modern fabricated steel bracket that has four mounting points for the large and small sizes. The controller is fitted as part of the bracket to ease installation and ongoing maintenance.

Features

The standard Cone torch has a satin polished aluminium rolled cone mounted onto a steel galvanised bracket the controller is in the bracket which assists in fault diagnosis.

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 a simple gas connection and the provision for a 240v - 5A 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 safe flame failure operation.

Tips - General

The Flambeaux burner consists of a support bracket, a pegged burner head (in two sizes), 2 thermocouples, a hot surface ignitor (1 or 2 depending on the burner), a gas solenoid valve (the size of which is dependent on the gas consumption), and the electronic Unibox. The burner heads are available in 2 sizes to accommodate the different gas rates that will produce varied flame sizes. Different jets are fitted to regulate the gas. These appliances must be installed in accordance with the 'rules in force' and the manufacturer's installation instructions, by a competent person. In the UK the installation must be in accordance with the current edition of both the gas safety (installation and use) regulations and the IEE wiring regulation. A 240vAC, 5A switched power supply is required for each flambeaux.

Options

Mounting Options

The Cone Flambeaux has a modern fabricated steel bracket that has a built in Unibox controller. The small Cone has a single arm and gusset while the large Cone has two arms from the mounting to the flambeaux.

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 Cone is supplied painted black RAL 9005, but can be supplied satin polished with the bracket supplied painted as above. All steel parts are fully welded and galvanised for a durable finish.

Luminaire Construction

The torch is rolled from aluminium, while the bracket and fixing plate are made from steel, galvanised and both painted black RAL 9005.

Materials

Torch

Made in aluminium.

Burner

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

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Typical Specification

The **Large** Cone Wall Mounted Flambeaux head measures **300mm** in diameter and **1000mm** in height. It is supplied painted black RAL 9005 as standard. The **Large** Cone Flambeaux has a single fixing plate **569mm** with four fixing holes in each plate, 159mm apart. The Flambeaux will be supplied with a **50,000 btu** medium burner assembly, comprising of 2 x HSI's and 2 x TC's. It is 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 **240vAC** - 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 valve is located within the wall bracket mounting. A plug and a socket are fitted to the burner end and a set of smaller plugs are connected to the Unibox.

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

Applications

The Small Cone Flambeaux opposite is a modern design and is shown here on the Bar Blue Restaurant. The polished cone is highly visible and flanks the signage board. The modern nature of the product adds a fresh look to a traditional torch.

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).



Options

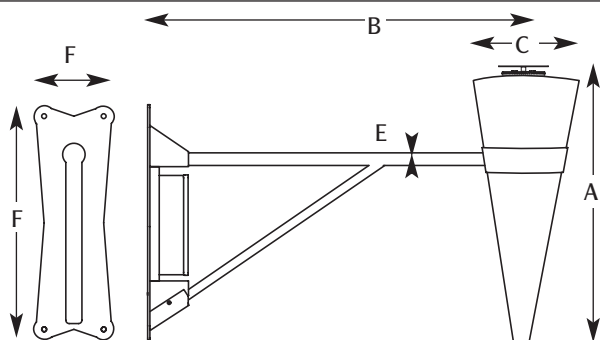


Diagram for small cone shown above.

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 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	Cone Small	Cone Large	BOXED
A Overall Height	750mm	1000mm	1100mm
B Outreach	1000mm	1000mm	1150mm
C Diameter/Width	300mm	300mm	400mm
E Tube Diameter	42mm	42mm	
F Flange Diameter	159 x 569mm	159 x 569mm	
Windage Area	0.3m ²	0.33m ²	
Weight	22kg	25kg	30kg

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