

STOKE FLAMBEAUX



Product Features

The Stoke Flambeaux, shown here, provides a cast aluminium torch body on a fabricated steel bracket as an option a cast gusset is available if preferred. This large torch body, with cast detail provides a substantial product when unlit or lit.

Features

The cast torch and options of gussets provide a large visual bracket. The controller is built into the bracket for the steel option while the cast gusset has a remote controller.

Control Gear

The Unibox 008 is fitted to the wall mounted bracket, all terminations are already made and the solenoid is fitted within the steel bracket. This provides the installer with a simple gas supply and a 240v AC - 5 amp supply for the Unibox. The burners are ignited by two hot surface ignitors and controlled by two thermocouples that feed back to the Unibox for safe flame failure operation. The cast unit with the remote controller should be located within a control cabinet and kept dry for reliable operation.

Tips - Thermocouples

The operation of the flambeaux is monitored by the thermocouples (TC), the output of which is directly related to the temperature of the flame at its tip. The normal running temperature of a single TC will produce a voltage in excess of 6mV. The use of 2 thermocouples provides security for windy conditions. Pegged burner cans have a small vent to ensure a gas flame plays on the TC tip, with older cans ensure the TC is centralised within the burner aperture when re-fitting new Thermocouples.

Options

Mounting Options

The steel version of the Stoke has a back plate that has four fixing points, the outreach arms are pre-cabled and the gas supply runs through the outreach arm for ease of installation. For the cast gusset version fixing straps with four wall fixing and a remote mounting will be required for the Unibox.

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 torch and wall bracket are supplied in black RAL 9005, other RAL colours are available upon request. All steel parts are fully welded and galvanised for a durable finish.

Flambeaux Construction

The torch is made from cast aluminium, the bracket and fixing plate are made from steel galvanised and painted black, or alternatively a cast aluminium gusset for the Mackenzie version, which is primed and painted black RAL 9005.

Materials

Torch

Made in cast aluminium

Burner

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

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Typical Specification

The **Stoke** wall mounted Flambeaux head with the steel bracket will measure 300mm in diameter, 1000mm in height and is supplied in **Black RAL 9005** powder finish. The Flambeaux will be supplied with a **30,000 btu** medium burner assembly comprising of 2 x HSI's and 2 x TC's. The Stoke Flambeaux 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 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

This application shows the Stoke Wall Mounted Flambeaux fitted with medium 30,000 btu burners. Twenty of them were mounted on the 'Blue Salon' in Qatar. The flames produce a warm flicker to the building facade ensuring that it stands out from the rest of the nightscape.

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

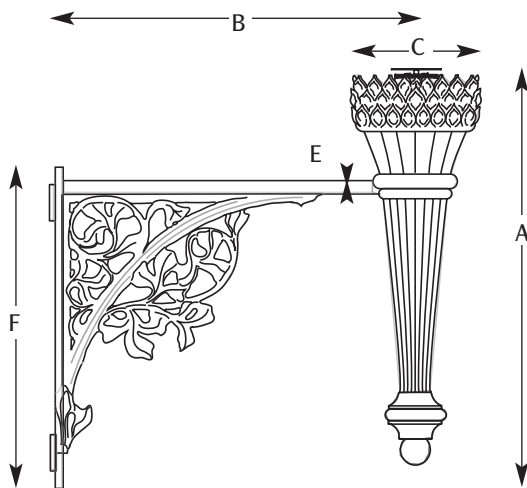
Natural gas, category I _{2H} (20)	Austria (AT), Denmark (DK), Finland (i), Greece GR), Italy (IT) Norway (NO), Portugal (PT), Spain (ES), Sweden (SE), Switzerland (CH0).
Natural gas, category I _{2E} (20)	Germany (DE), Luxembourg (LU).
Natural gas, category I _{2Er} (20/25)	France (FR).
Natural gas, category I _{2E+} (20/25)	Belgium (BE).
Propane gas, category I _{3P} (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



Maskenzie option with cast gusset requiring a remote unibox

DIMENSIONS	Stoke	Boxed
A Overall Height	1000mm	1100mm
B Outreach	1150mm	1250mm
C Diameter/Width	300mm	400mm
E Tube Diameter	42mm	
F Flange Diameter	160 x 569mm	
Windage Area	0.4m ²	0.55m ³
Weight	36kg	40kg

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 f³/h	29.5	49.2
Gas Rate m³/h	0.81	1.39
Bnr.Press mbar	18.5+/-1	16+/-1

Propane LPG		
Aeration	2x6.35 mm	2x6.35 mm
Gas Rate f³/h	12	20
Gas Rate m³/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