



## FIREPITS

### BESPOKE FIREPIT DESIGN & INSTALLATION GUIDANCE

With our bespoke service, you can always have the firepit of your dreams.

The genius is in the detail.

Natural Gas, LPG or Bioethanol.



## URBAN OUTDOORS

London - Bristol - Manchester - Edinburgh

27 Old Gloucester Street, London, WC1N 3AX

Tel: +(0)207 183 1806

info@urbanfires.co.uk

© Copyright Urban Outdoors LLP 2019

**BESPOKE FIREPITS ARE FOR OUTSIDE USE ONLY.  
THEY MUST NOT BE USED INSIDE A DWELLING.**

For use with the UF95ORC Outdoor Gas Fireplace burner system,  
or a bioethanol (liquid fuel) burner to specification.

Read in conjunction with the UF95ORC burner Installation & Users Instructions. GB/IE edition.

Important: These appliances shall be installed in accordance with;

- This guidance booklet and the UF95ORC Installation & Users Manual
- Local gas installation regulations and The Rules in Force
- BS 5440-1
- BS 5871-1:2005,
- BS 5871-3:2005
- BS 6891
- Any other relevant statutory regulations.
- Must be installed by a Registered Installer (NG & LPG)
- Converting this appliance for use with G31 Propane must be done by a Registered LPG Installer
- Urban Fires appliances are for use on Natural Gas (G20) at a supply pressure of 20mbar or LPG Propane (G31) at a supply pressure of 37mbar and Butane (G30) at 28-30mBar
- In IE, consult document I.S. 813:1996 Domestic Gas Installations.

**It is strongly suggested that no work proceeds until all the components are on site.**



## SPECIFY A FIREPIT

We have a wide range of standard-size firepits made from porcelain sheet or hand-finished reinforced concrete. Porcelain can also be made-to-measure up to 3m in length. It's simple to decide on a shape (square or rectangular, [download our firepit brochure here](#)), a colour (see below and [here](#) for porcelain), a burner type (using mains gas from the house - NG - or from LPG cylinders). If you can't have gas or don't want to lay a gas supply pipe, there is even a bioethanol (liquid fuel) burner option.



### CONCRETE COLOURS



Portland



Ash



Latte

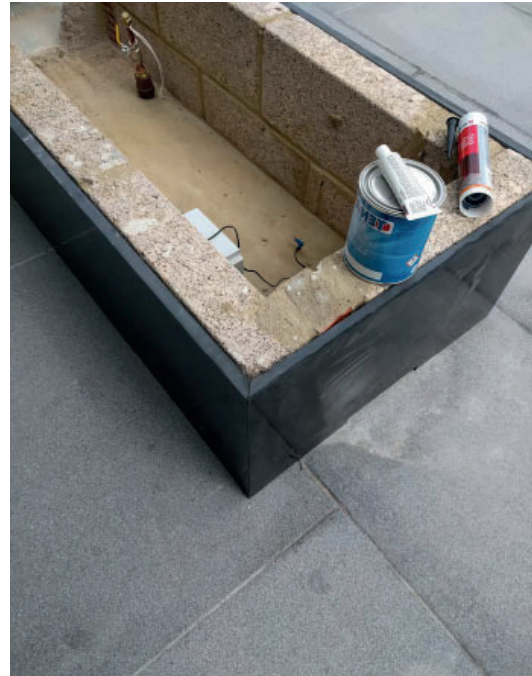


Charcoal



Brazil

It's entirely possible to build your own firepit from blocks or stone masonry and just install an outdoor gas or bioethanol burner. We'll help you to design and build it, to make sure you get the fundamentals right.



Some clients (or their builders/site contractors) will build such a firepit from bricks or lightweight blocks and then have it rendered. Alternatively, a masonry base could be faced with tiles, stone or granite (above right) if it is made accurately.

The firepit top is important, as it will house the burner, which has its own specific requirements (see the Installation instructions document). The burner should be rebated 20-30mm into the surface (see overleaf). The construction must support the burner around its periphery. It must drain rainwater from the void below and also be ventilated from below. *(NOTE: The burner will lift out on a flexible stainless steel gas supply pipe for servicing or access to the gas or 240v supply connections. No tools or gas technician required!)*



Many clients prefer to leave the construction to us. We don't build simple masonry - it's usually less expensive to have the landscaper or a site contractor do this work - but we can fabricate a bespoke firepit to your design from specialised UV-resistant, frost-proof, dense materials, such as granite, engineered stone, porcelain or even stainless steel, for example.

The firepit top itself should be made from similar materials, such as granite or engineered stone. Our tops are fabricated with a watercut, rebated cutout to support the gas burner, set 20mm beneath the top surface, thereby containing the Crystalight gas media and concealing the gas (or bioethanol) burner itself. The various manual ignition bioethanol versions **may not** have such media impinging on the flames - see Page 9).



Porcelain (left, below) or engineered stone (right) can be supplied in a wide choice of shades and colours and can usually either be assembled on site if access is difficult for a fully-formed appliance (on a roof terrace, for example) or the porcelain construction is light enough to be carried by two men:



In each case, any of the dimensions can be amended to suit the requirements of the project, including the apparent size of the burner, using bespoke burner trays and additional gas media.

We can provide large burners (up to 4m in length) or place multiple burners end-to-end for larger firepits - and we also have smaller square and circular burners for other designs.

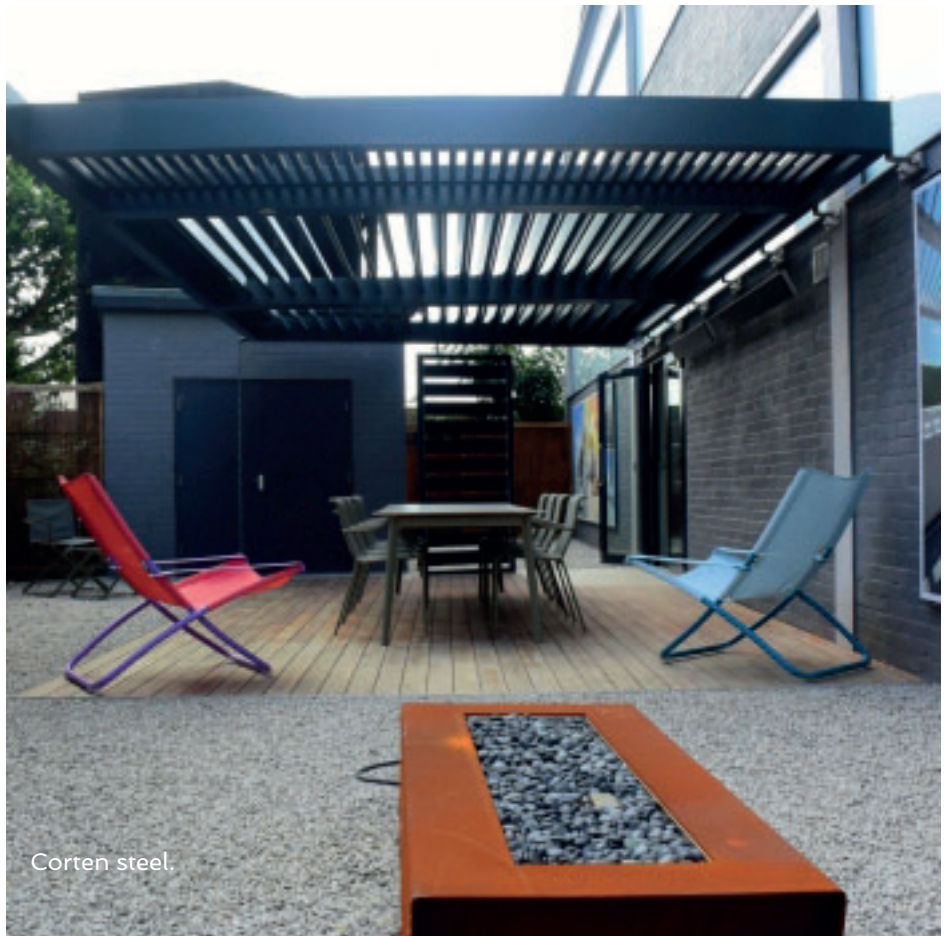


## BESPOKE FIREPITS

You may be a landscaper or designer, or you're working with one who has already created a unique design. In this case, we can almost certainly make it.

Provided the designer and site contractors have followed the guidelines in this documents for the infrastructure, we will manufacture to the design - and we can also assemble and install on mainland UK if required. In Ireland our distributor is Urban Choice - and we have partners in other continental Europe countries and regions including the Balearics.

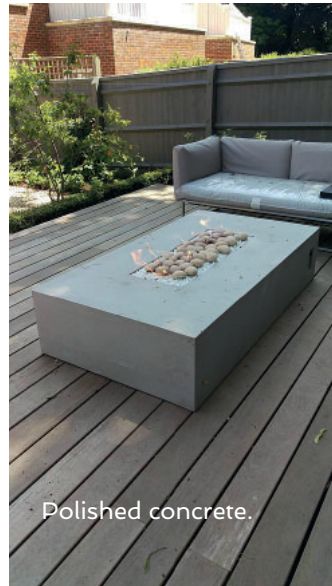
Here are a few examples of bespoke firepits designed by others and made by us, or installed with our gas burners:







Natural stone on a rendered masonry base.



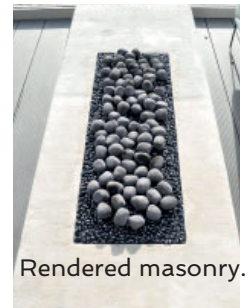
Polished concrete.



Polished concrete.



Reinforced concrete.



Rendered masonry.



Marbleised engineered stone.



Engineered stone on a masonry base.



Granite.

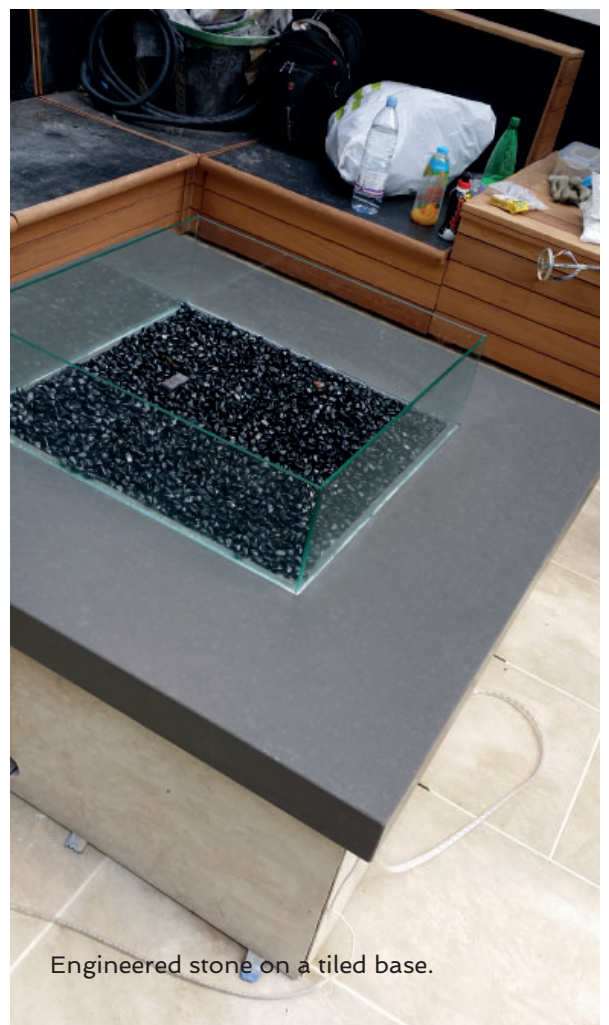




Dekton engineered stone.



Reinforced concrete.

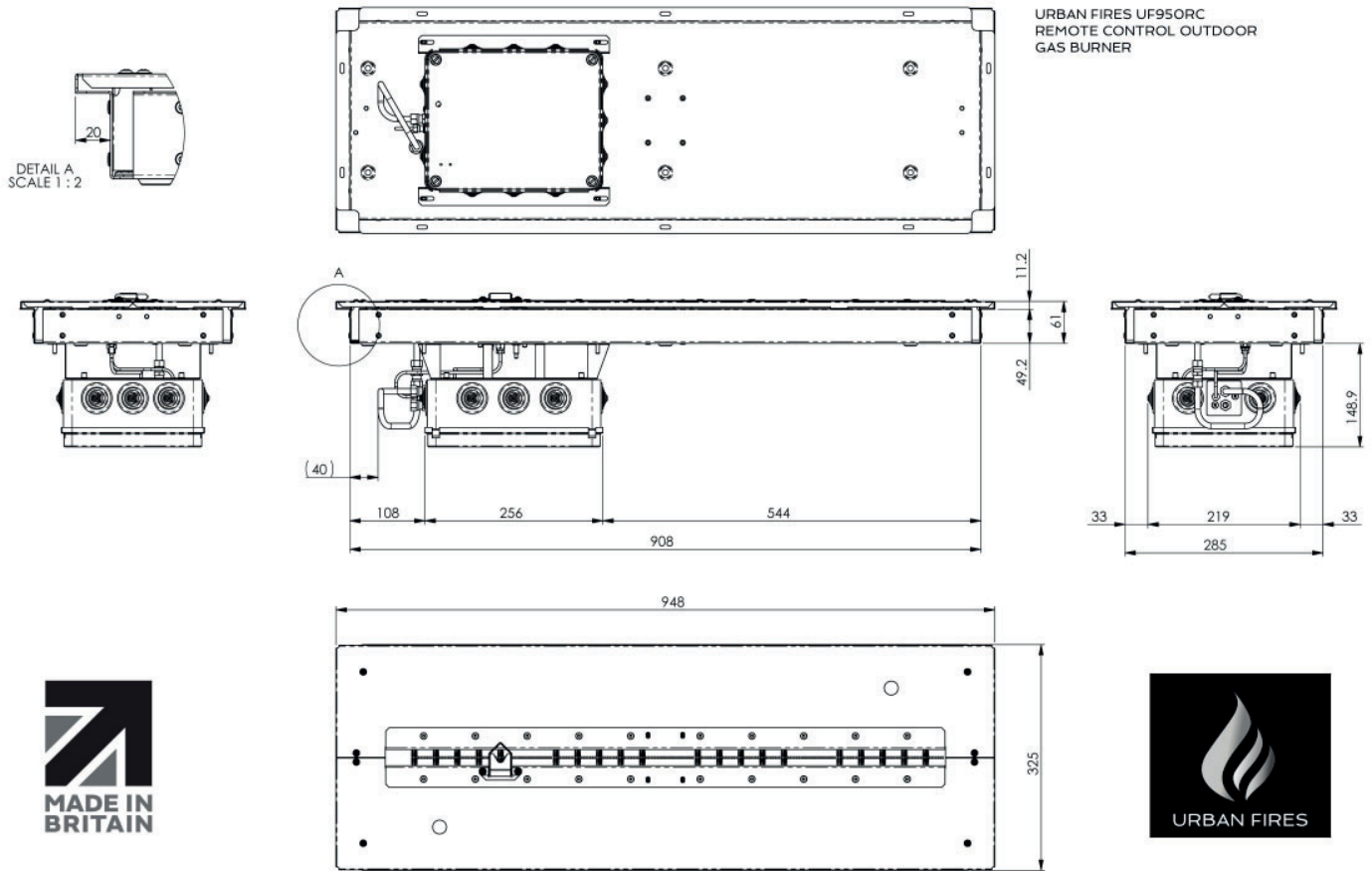


Engineered stone on a tiled base.



## SPECIFY THE GAS BURNER & FUEL BED

The all-important remote control gas burner - ours are CE-marked for use throughout Europe. We use electronic ignition controls fully encased in a weatherproof IP-rated enclosure and each will run on NG or LPG gases. As an option, these burners also may be operated by smartphone app or can be connected to most home automation systems. When considering an outdoor gas burner, [please read this article](#).



Each burner is supplied with a 6v 1200mA transformer, a quantity of moulded ceramic glass Crystalight gas media (black, with white or clear colour options), a flexible stainless steel final gas supply tube, an LPG conversion kit and a remote control handset. Optionally, our High Definition ceramic pebbles may be added. Please ensure that you specify a colour/finish when ordering.

Bespoke burner trays can be supplied to make the burner appear larger (and in some cases, smaller). For example, this 950mm burner in a 2200mm firepit with additional Crystalight gas media. Please ask for details:



Other burner sizes are 2m in length and 4m. Lead time to produce a bespoke firepit is typically 12-20 working days for made-to-measure, plus shipping time. Up to four weeks for bespoke polished concrete.



## SPECIFY A BIOETHANOL BURNER

A bioethanol burner will give your imagination the freedom to design a fireplace for any outdoor space. With a manual ignition, clean-burning bioethanol burner you can create a unique outdoor atmosphere, free from gas or 240v connections - but you cannot place faux fuel (logs or pebbles) on these burners.

There is a wide range of bioethanol burner sizes in the manual ignition versions. Choose widths from 500, 700, 900 and 1200 in linear styles, or square or circular models for smaller firepits or firetables.



1200



900



700



500



SQUARE



CIRCULAR

## PREMIUM BIOETHANOL BURNERS

in 700 and 1000 widths.

Fully automatic ignition, remote control by handset, smartphone/tablet app or home automation.

Complete with unique glowing underbed lighting and slate or pebble options.  
Requires a 240v connection.



## GAS SUPPLIES & GAS BURNER INSTALLATION

Installation of the gas burner tray and connection to the controls (see separate burner manufacturer's User & Installation instructions documents) must be completed by a registered gas installer or (optionally) by our own technicians, before hand-over of the installation to the client.

This is a summary of the required infrastructure:

- \* Install any masonry with a DPC
- \* 40cm<sup>2</sup> free air ventilation to be supplied to the underneath of the burner.
- \* Suitable drainage to good practice to be supplied by site contractors beneath a masonry base. Rain water must not be allowed to pool. Create a fall towards the drainage point.
- \* Suitable NG/LPG supply for 15kW/hr with isolating tap and 15mm copper tail required to location. **MDPE pipe is not suitable for use in the void beneath the burner.** We recommend Tracpipe or finishing in copper .
- \* A 240v supply in an IP-rated enclosure (not supplied) with a standard 3-pin socket, suitably sized for our transformer (see dims page 5). This is one that we would typically use: <http://www.tlc-direct.co.uk/Products/GWBX645.html> You will need the following components:
  - (1) GWBX645 150 x 110 x 140mm IP56 Moulded Box
  - (2) EK241B 13mm Nylon Compression Gland Black for Cable 5-7mm
  - (3) EK79B 13mm Nylon Lock Ring - Black

\*For LPG installations, we recommend a minimum propane cylinder size of 2 x 19kg, preferably linked together by a changeover valve/regulator so that the gas doesn't run out unexpectedly on a Saturday evening:



There are many methods of safely concealing gas cylinders, please ask for details.

## FINALLY

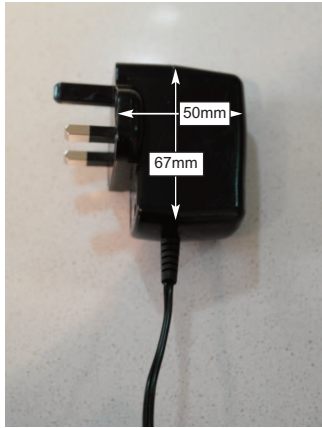
- Remove any transit film from a stainless base before commissioning the burner system.
- Clean the firepit of any handling marks and building/garden debris before hand-over.
  - Oil stainless steel with WD40, Baby Oil, or the like.
  - Powder-coated metals may be cleaned with a damp cloth.
  - Describe to the End User how to use the remote control.

**Advise the End User of the cleaning instructions (see User Instructions) plus the need for annual servicing.**

**IN THE EVENT THE FIREPLACE IS TO OPERATE ON LPG GAS (CALOR GAS) FOR EXAMPLE, PLEASE ASK FOR GUIDANCE FOR THE INSTALLATION AND STORAGE OF PROPANE CYLINDERS.**



## TRANSFORMER DIMENSIONS & SERVICES



Transformers are supplied with UK and European plugs.

NOTE: Transformer dimensions are subject to change without notice.

Transformers operate at 6v and 1200mAmp.



To avoid additional installation charges, it is important, that all energy services and drainage & ventilation of the void, are in safe and working condition on the day of connection, commissioning & certification.