

# KESTON

where others can't

Bespoke and off-the-peg boiler room solutions



# Multi-boiler bespoke pre-fabricated rigs

Factories, commercial and public buildings, ranging from schools, blocks of flats, offices, hotels, pubs and restaurants through to sports halls, department stores, hospitals and museums, are just some of the applications that have benefited from installing Keston condensing boilers.

The Keston Rigs are delivered to site pre-assembled and incorporate up to five units within a floor standing frame and up to 20 boilers operating in sequence across multiple frames. A dual boiler wall-hung rig is also available. The units are pre-piped to a single balance header.

## The modular approach

The compact size and versatility of the Keston makes it the perfect solution for a modular system, offering the designer complete freedom of choice.

A boiler sequencer is included with integral weather compensating controls to ensure optimum use of plant to meet demand and rotation of lead unit.

The balance header includes tappings for air vent, fill point/expansion vessel, drain off and system flow and return. The number and size of system tappings is as per the customer's own specification.

## Rig options

In today's complex design approach it's common to have systems which require a number of different flow temperatures such as underfloor heating, weather compensation, DHW via indirect cylinder, air handling units, etc. The Keston plant rig approach can solve this problem by incorporating diverter valves to selected boiler(s).

In this way the selected boilers can be seconded from serving the main system flow to serve another requirement at another flow temperature. Once this requirement is satisfied the selected boilers are diverted back to join the other boilers serving the system at the main flow temperature.

Whilst the boilers are seconded away, the rig controller automatically increases the power demand from the remaining boilers to compensate. This can be repeated with other boilers at other temperatures to meet user requirements.

## Special requirements

Keston bespoke rigs can include virtually everything associated with a boiler room, auto pressurisation units, dosing pots, etc.

## Renewable energy

Keston bespoke rigs can accommodate the latest renewable technology on board. Our expertise in solar thermal and air source heat pumps allow for the perfect mix of renewable and fossil fuel energy to maximise efficiency and significantly reduce pollution.

## Modem monitoring

A modem attached to a Keston rig provides remote monitoring of the unit – this can be a simple fax alert being sent to more comprehensive computer two-way communication. This remote monitoring can be done within a building such as a hotel reception desk to the boiler room, or from the other side of town.

## Built to order

All rigs are built to order and as such can be configured at the time of order. For details of the options and/or to request a price for a rig unit designed specifically to your needs, complete the form on the reverse of this brochure and fax back to 020 8462 4459. Keston guarantees quick turnaround, from order to delivery.

## What's included

- Up to five Keston commercial units per frame as specified by the customer
- Individual shunt pumps within each unit
- Single balance header sized according to output
- Sequence controller
- Safety and isolating valves
- Drain point



### Quick turnaround off-the-peg

Keston acknowledges that in certain circumstances specifiers cannot wait for a bespoke rig to be built for them. To meet this need Keston has designed a range of off-the-peg units. Because of their standard design features these units can normally be delivered normally in one week from order.

Whilst basic in design, the units are fully functional. Each unit has a controller that provides full sequence control of the boilers to ensure the power output accurately matches demand at all times. Usage levels are constantly monitored to ensure all boilers are evenly used and firing order rotated accordingly.

Frost protection, system pump overrun and seizure protection are all included. In addition, a volt-free output is provided for remote lockout monitoring. A volt-free signal is all that is required to initiate a systems demand. The Keston quick turnaround rigs are available for Natural Gas and LPG. They are available in a range of outputs from 90kW to 165kW. Wall-mounted units are available too up to 110kW.

### Product Features

- State-of-the-art controlled plant room system ready to go
- Double rig can be wall-mounted
- Floor standing rigs available for two, three and four appliances
- Multiple rig options to meet any output using up to 20 boilers
- Any combination of Qudos 28, C36 Combi, C40, C55, C90 and C110 can be used
- Comprehensive control module with extended options
- Bespoke header arrangements available
- No dedicated boiler room needed
- Fully automatic burner and pump modulation for optimum performance
- Frost protection stat
- Keston Remote Monitoring Service
- Small diameter flue system can be extended up to 45 metres vertically or horizontally
- Ideal for difficult flue arrangements
- Can save thousands of pounds compared to conventional flue
- All formats using C36 Combi, C40 and C55 are also available in LPG

Keston Boilers offers a unique 'made to order' plant rig service to provide you with a pre-fabricated plant solution that is especially made to order for your requirements. Delivery of the complete plant rig will be within four to five weeks from date of your order. In this way we remove the headache of multiple boiler plant design and assembly and save you time, space and money on site. This form is designed to make life easy for you.

**Fax your completed enquiry form to : 020 8462 4459, alternatively you can post or email Keston to receive a bespoke rig solution proposal for your needs.**

Project Name \_\_\_\_\_

What is the power output required?

Kw

Btu

Will the rig be required to heat a hot water cylinder?

Yes

No

If yes, how many and what size?

Amount

Size (litres each)

How many heating zones?

And what power outputs?

Kw

Is central heating

Radiators

Underfloor

Others (please specify)

Do you want the control to be on the Rig?

Yes

No

Or a user control located in the property?

Yes

No

Do you want weather compensated heating?

Yes

No

Any other special features?

Remote lock-out signal

Yes

No

Dial-In monitoring control

Yes

No

Auto pressurisation unit

Yes

No

Dosing pot

Yes

No

Solar thermal hot water

Yes

No

Air source heat pump

Yes

No

Any specific height restrictions?

Yes

No

If yes, please give details: \_\_\_\_\_

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

Tel No: \_\_\_\_\_

Fax No: \_\_\_\_\_

Email: \_\_\_\_\_

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