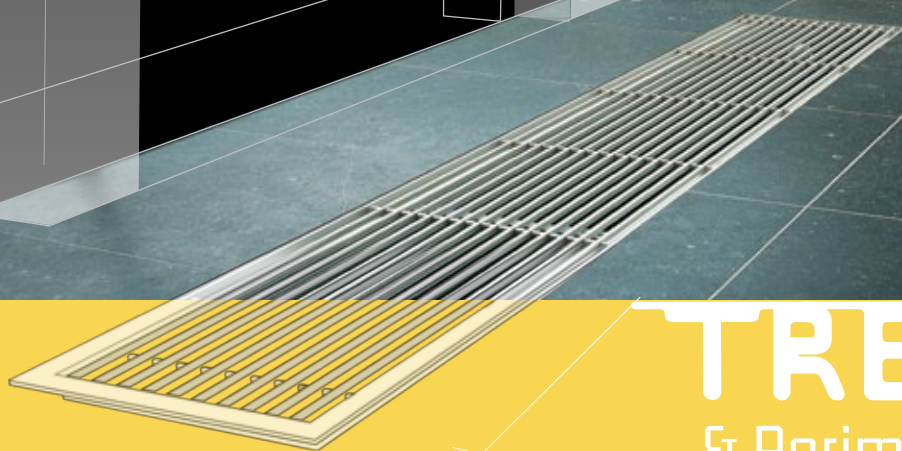




jaga



TRENCH
& Perimeter Heating

www.jaga.co.uk



Introducing Jaga Heating Products




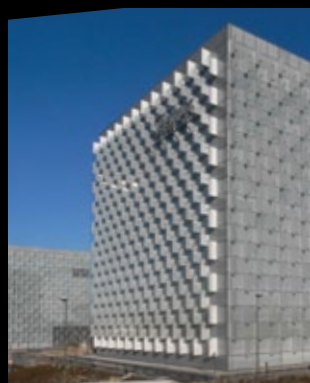
Founded in 1962, Jaga is the world's leading specialist manufacturer of award-winning, energy saving, low water content heating products with over 500 employees and annual sales in excess of £50,000,000.

As the European market leader, Jaga has built its reputation by designing and manufacturing a wide range of efficient, stylish heating solutions suitable for every application. Each year, Jaga produces enough wall-mounted, trench and perimeter heating products to more than stretch from London to Leeds!

Active in over 40 countries, Jaga has heated some of the world's most acclaimed building projects, including 7 More London, Federation Tower, Moscow, The Telefonica HQ in Madrid and the Dail in Dublin, but is also the smart, sustainable choice for projects as diverse as social housing, private homes, community centres, schools and universities. Jaga's Herefordshire-based UK operation was established in 1991.



 Mirax Tower, Moscow



The Republic of Ireland and Northern Ireland

Jaga products are available from:
Versatile
Beechmount Home Park, Navan, Co. Meath

Tel: +353 46 9029444
Fax: +353 46 9027704
info@versatile.ie
www.versatile.ie

How to contact Jaga

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The Need for Facade Heating

Contemporary architects appreciate natural light: floor-to-ceiling glass facades are a staple feature of many new-build construction projects, especially in office, retail and hotel developments. Similarly in contemporary home design there is also a strong trend towards the incorporation of larger areas of glazing.

However, glass is a poor insulator so a perimeter heating system that inhibits condensation, prevents heat loss through windows and reduces demands on the primary space heating system is essential to ensure a comfortable environment for every occupant or building user. In some cases this perimeter heating system may be specified to provide all façade and space heating.



 PricewaterhouseCoopers, 7 More London

The Options for Facade Heating

There are a number of different options available for façade heating. Radiators could be conceivably used but in this setting they obscure the windows, take up valuable floor space and, depending on the manufacturer selected, can be unsightly and obtrusive.

At Jaga we believe the ideal option is the use of a trench heating system. Trench heating is very discreet, frees up floor space and does not obscure vision through the glazing. It also is not liable to accidental damage and requires minimal maintenance.

If however space beneath the floor is restricted or the floor is solid, then low level floor-mounted perimeter heaters or runs of continuous above-floor perimeter heating may provide the answer.

Jaga perimeter heating provides all the benefits of trench heating – circulating and heating cool air from windows, minimal dimensions and works well in situations where trench heating cannot be installed.



Jaga trench & perimeter heating systems are unobtrusive, elegant and easy to install

Ideal applications include:

Offices

Universities

Hotels & conference centres

Airports

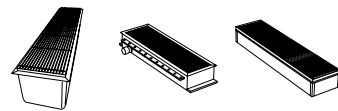
Shopping centres

Residential buildings or developments with large glazed areas

TRENCH
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Design Considerations

Jaga trench heating and perimeter heating products are available to work with traditional boiler systems, condensing boilers, heat pumps and other renewable energy sources.



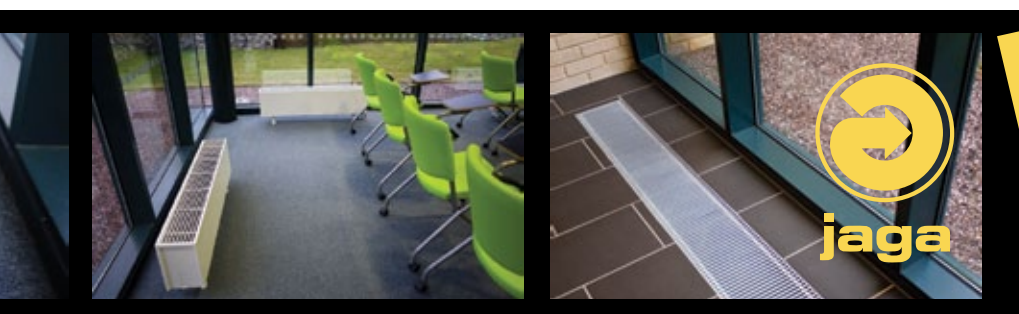
All our natural trench and perimeter heating products feature Jaga's unique LowH₂O technology meaning that they offer faster response, better comfort and powerful heat output.

In some projects, Jaga DBE fan-assisted trench and perimeter heating may offer the optimum solution. This is especially likely in where there is a shallow floor structure or there are limitations on the possible trench size; where there are particularly high heat requirements; or where they are part of a low temperature system powered by heat pumps or other renewable energy sources.



To assist in designing a system, an illustrative comparison of heat outputs shows that a natural trench sized 140mm high x 340mm wide has an average output of 501 watts per metre. The same Jaga trench product specified in the dynamic fan-assisted version has an average output of 1548 watts per metre (outputs quoted at ΔT 50. i.e. 75/65/20).

Another innovation is that with certain Jaga dynamic trench heating products, fresh air can also be introduced through the trench rather than necessitating the use of a costly separate ventilation system.



CPD Seminars
Jaga runs accredited CIBS Continuing Professional Development seminars on Facade Heating.
Please book your session at
www.jaga.co.uk/technical-support/cpd-seminars

The Jaga Trench & Perimeter Heating Range

Natural Trench Heating



Mini Canal

- Using Jaga's low-mass, low-water content Low-H₂O heat exchanger, the Mini Canal saves energy costs while remaining ultra-responsive to temperature changes
- Available in a wide range of sizes, starting at just 90mm deep. The Mini Canal is perfect for providing primary or supplementary heating across multiple storeys or floating floors

Canal Compact & Compact Plus

- High output natural trench heating for locations where extra depth is available
- Ideal for offices, schools and universities, residential and retail projects

Dynamic Trench Heating

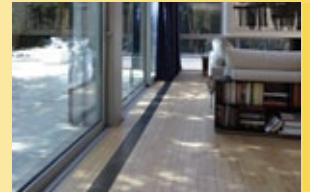
Mini Dynamic Canal

- Features Dynamic Boost Effect (DBE) technology for even greater power, efficiency and control even at the low flow temperatures produced by heat pumps and other renewable energy sources.
- One of the few fan assisted trench heating systems available in curved lengths



Micro Canal

- Depths starting from only 60mm, the Micro Canal is one of the shallowest trench heating systems in the world.
- Designed for use with eco-friendly heating systems



Clima Canal

- Low voltage DC-controlled technology improves airflow and provides a powerful output. This gives the Clima Canal full compatibility with low flow temperature systems, such as heat pumps
- A fan assisted trench heating and ventilation system perfect for use in large offices, poorly ventilated areas, large glazed areas, schools and universities



Quatro Canal

- Quatro Canal is a powerful, all in one heating, cooling and ventilation unit that provides the greatest possible climactic comfort.
- Due to its very low water content and high capacity the Quatro Canal reacts immediately to temperature changes



Natural Perimeter Heating



Mini Freestanding

- Designed to fit unobtrusively in front of glazed facades
- Low-H₂O technology cuts energy consumption without reducing output

Dynamic Perimeter Heating

Knockonwood Freestanding DBE

- The Knockonwood Freestanding DBE is ideal for use in front of glazed facades and where trench or wall-mounted heating is not practical
- Perfect for use with low temperature heating systems



Mini Freestanding DBE

- The Mini Freestanding DBE provides maximum heat from the smallest of appliances and remains operationally quiet even at the highest outputs
- All connections can be hidden within the Mini Freestanding DBE's adjustable feet



Grilles & Finishes Selection

A wide range of grille options, from wood finishes to designer styles is available in the Jaga trench and perimeter heating range.

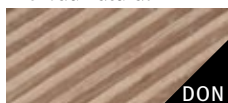
Shown here is a selection of our most popular grille styles for trench heating products and finishes for our perimeter heaters. Please check on www.jaga.co.uk for the specific grilles and finishes available for each trench or perimeter heating product.

Grilles

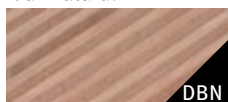
Designo roll-up wooden grilles



Merbau natural



Oak natural



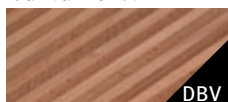
Beech natural



Merbau varnished



Oak varnished

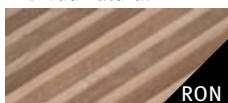


Beech varnished

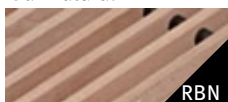
Roll-up wooden grilles



Merbau natural



Oak natural



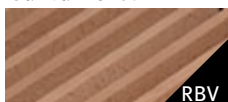
Beech natural



Merbau varnished



Oak varnished

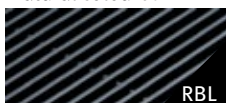


Beech varnished

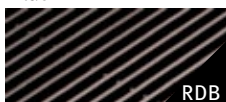
Roll-up anodized aluminium grilles



Natural coloured



Black



Dark brown



Brass coloured

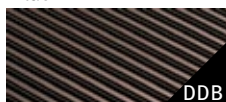
Designo rigid anodized aluminium grilles



Natural coloured



Black



Dark brown



Brass coloured



Lacquered designo natural colour

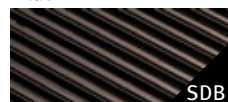
Rigid aluminium grilles



Natural coloured



Black



Dark brown



Brass coloured



Lacquered natural colour

Roll-up stainless steel grilles



Stainless steel



Feature grille Pebbles



Feature grille Accordion

Three-letter grille codes adjacent to grille and colour finishes are required for ordering purposes.

Knockonwood Wood Finishes

All our wood finishes are from sustainable sources



Oak natural



Beech natural



Maple natural



Zebrano natural



Oak bleached



Beech bleached



Mahogany



Oak wenge-coloured



Walnut

Mini Freestanding Colours



Traffic white



Sandblast grey metallic

For the complete Jaga colour range, see www.jaga.co.uk/colours-and-grilles

