

Biddle Air Systems

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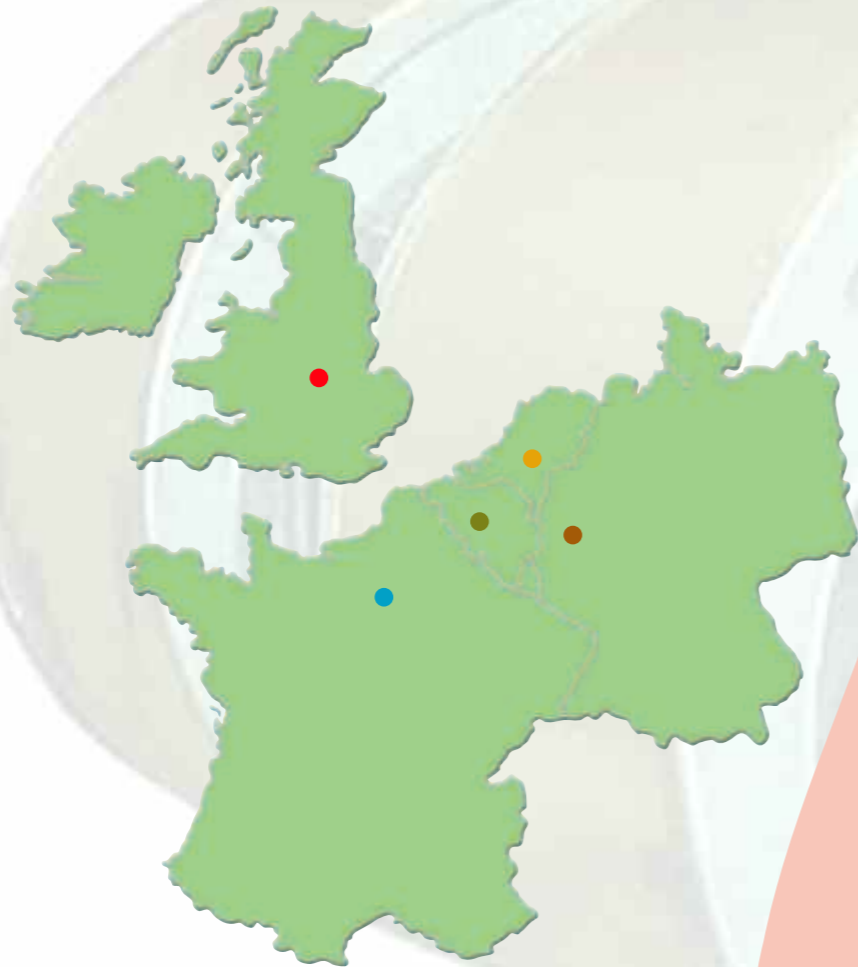
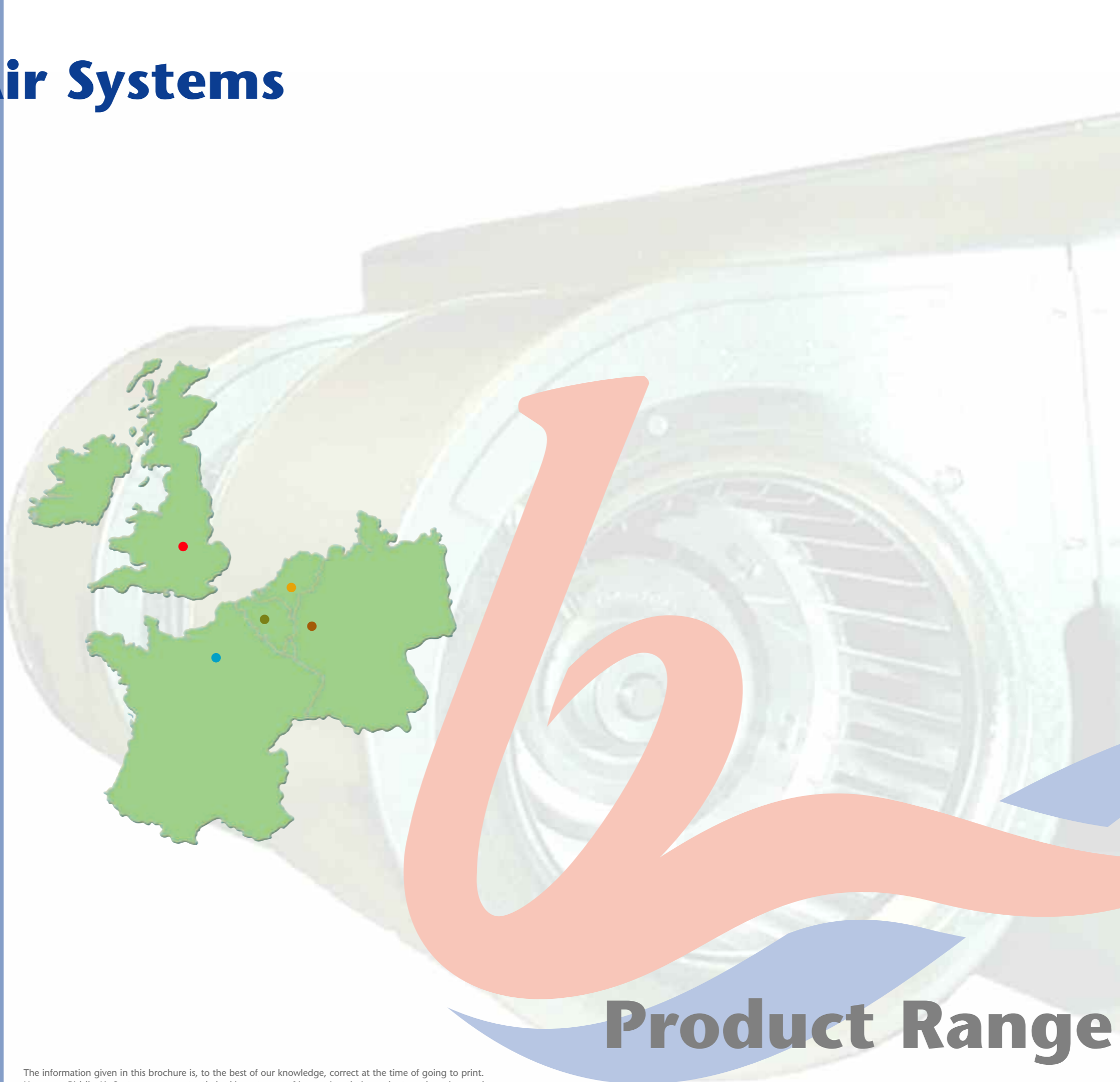
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Product Range

The information given in this brochure is, to the best of our knowledge, correct at the time of going to print. However, Biddle Air Systems are constantly looking at ways of improving their products and services and therefore reserve the right to change without prior notice any of the data contained in this publication.



Heating & Ventilation



Innovair

- 'Intelligent' fan convactor
- Lphw or electric heating
- Controlled ventilation as per BB87
- Free & night cooling
- Vertical or horizontal cased or chassis styles
- 3 physical sizes
- Up to 15kW heat output and 264ltr/sec fresh air at NR35
- Use with CO₂ sensor to optimise energy efficiency as per BB101
- Widely used in schools and offices

Forceflow

- 'Traditional' fan convactor, with LST and condensing boiler variants
- Lphw or electric heating
- Recirculation or ventilation
- Many vertical or horizontal, cased or chassis styles
- Robust casing with no sharp edges/ corners
- Thermostats & switches as standard
- 5 physical sizes
- Up to 17kW heat output at NR35
- Widely used in schools and public sector buildings

Cassettair

- Ceiling cassette heater
- Lphw or electric heating
- Recirculation only
- Designed to distribute heat effectively from the ceiling (unlike 'traditional' fan convactor)
- Fits exactly within standard suspended ceiling grid and only 280mm high
- Discharge & return air grilles positioned within same panel
- 2 physical sizes
- Up to 21kW heat output
- Widely used in foyers and reception areas

Uniflow

- 'Traditional' space/unit heater
- Lphw, mthw, hthw or steam heating
- Recirculation or ventilation
- Horizontal or downward discharge with adjustable louvre/diffuser
- Single or three-phase electrical supply
- Available with explosion proof motors
- 5 physical sizes
- Up to 85kW heat output
- Widely used in warehouses and factories

Noz

- High efficiency multi-directional space / unit heater
- Lphw or gas heating
- Recirculation or ventilation
- Six individually adjustable nozzles
- Mixed flow fan induces movement of high volumes of air at high velocity
- Heats areas of 700m² & can be installed upto 10mtr high
- 2 physical sizes
- Up to 75kW heat output
- Widely used in warehouses, factories and retail outlets

Air Curtains



Invisidor CA

- High performance commercial/retail air curtain
- Lphw or electric heating
- Many control options, including BMS compatibility
- Patented rectifier technology combined with aesthetically pleasing looks
- Variable width discharge jet to give constant air velocity
- Styles for free-hanging, cassette, ceiling recessed and bulkhead applications
- Suitable for mounting up to 4mtr high
- 4 physical sizes, which in combination can suit any width door
- Widely used in large office buildings, department stores and supermarkets

Invisidor CITY

- 'Designer' commercial/retail air curtain
- Lphw or electric heating
- Touch pad controller can be linked to door switch, thermostat or BMS
- Patented rectifier technology combined with new architectural design
- Laminar flow minimises turbulence and gives 94% energy efficiency
- Styles for free-hanging, cassette, ceiling recessed and bulkhead applications
- Suitable for mounting up to 3.2mtr high
- 4 physical sizes, which in combination can suit any width door
- Widely used in office buildings and high street retail stores

Invisidor PL

- Industrial air curtain
- Lphw or gas heating or ambient
- Manual control in conjunction with door switch or room thermostat
- Patented rectifier technology
- Prevents cold draughts and minimises heat loss to the outside
- Can be mounted horizontally up to 6mtr high
- If mounted vertically door can be up to 10mtr wide
- 2 physical sizes, which in combination can suit any door width or height
- Widely used in distribution centres, warehouses and factories



Powerbreez

- Water side 'new generation' fan coil
- Chilled water cooling and/or lphw or electric heating
- Recirculation or full fresh air or part recirculated/part fresh air
- Horizontal chassis style
- Patented revolutionary air inlet design
- Noise proven by SRL to be 3dB less than with traditional air inlet
- 6 physical sizes
- Noise/duty ratio gives upto 10kW cooling at NR35 & LAT 12°C
- Widely used in noise sensitive office developments



Isotherm

- Water side 'high spec' fan coil
- Chilled water cooling and/or lphw or electric heating
- Recirculation or full fresh air or part recirculated/part fresh air
- Vertical or horizontal, cased or chassis styles
- Higher specification than 'traditional' fan coils
- Individual direct drive fans, plastic drain tray and EU3 grade panel filters
- 4 physical sizes
- 7kW sensible cooling at NR35 & LAT 12°C
- Widely used in high spec office developments



Modulair

- Large fan coil or small air handling unit
- Chilled water or DX cooling and/or lphw or electric heating
- Recirculation or full fresh air or part recirculated/part fresh air
- Flexible system which can be built-up as required
- Can overcome runs of ductwork in excess of 100Pa
- Washable EU2 filter, or EU3-EU9 bag or pleated filters
- Noise attenuation modules available
- Only 229mm in depth
- Widely used in conference centres and office developments



Comfort Circle

- Chilled water cassette, with heating options
- Fits within standard suspended ceiling grid
- 2 physical sizes
- Up to 9kW cooling



Coolflow

- Water side 'traditional' fan coil
- Chilled water cooling and/or lphw or electric heating
- Recirculation or full fresh air or part recirculated/part fresh air
- Vertical or horizontal chassis styles
- 207mm to 285mm deep
- Compatible with vast range of control packages
- 6 physical sizes
- 5.5kW sensible cooling at NR35 & LAT 12°C
- Widely used in cost driven office developments