



Hospital and Healthcare Solutions

Established in 1981, Barkell specialise in the **design and build of bespoke air handling units for hospital and healthcare environments.**

Offering a comprehensive design service and aftersales suite, including maintenance, spares and energy upgrades, Barkell's reputation for **honesty, integrity and collaboration** is built upon decades of experience within the healthcare sector.



Indoor Air Quality

At Barkell we believe that clean, temperature-optimised air supply is the key to healthy, productive living and working environments. Our bespoke AHUs can be designed to meet the most challenging of client briefs and offer the utmost in both comfort and hygiene control. We deliver effective air management solutions that meet specific temperature and air filtration requirements.

Features include:

- Separate supply and extract air flows to reduce opportunity for cross contamination
- High efficiency filtration for the reduction of contaminants
- Temperature and humidification controls for optimum comfort and performance
- Accessible components for ease of maintenance, crucial for maintaining efficiency
- HTM 03-01 (2021) compliant

Energy Assessments and Fan Upgrades

As part of our commitment to increase energy efficiency and reduce waste, we offer a full assessment and refurbishment service on existing AHUs, supplied both by us and other manufacturers, delivering multiple benefits to both our client and our planet.

We are able to assess the energy consumption of an existing AHU, to provide an analysis detailing both CO₂ and running cost savings available by making component upgrades.



Financial

Less capital and energy expenditure = less monetary cost



Environmental

Component upgrades = less wasted energy and longer lifespan of the unit



Practical

In situ refurbishment = less disruption to an operational site



NHS experience

With over 40 years' experience in supplying effective and healthy mechanical room ventilation to the NHS and other healthcare environments, along with other public buildings and commercial outlets, Barkell is one of the UK's leading Air Handling Unit (AHU) manufacturers.

Viewed by many as the trusted source to go to for delivering clean air to healthcare settings, Barkell has extensive experience of designing and delivering bespoke AHU units that deliver optimum ventilation to hospitals, clinics and other essential medical services.



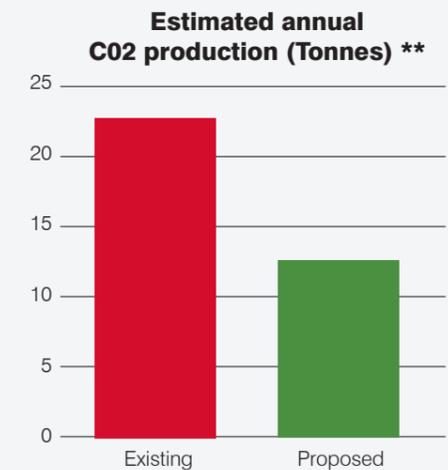
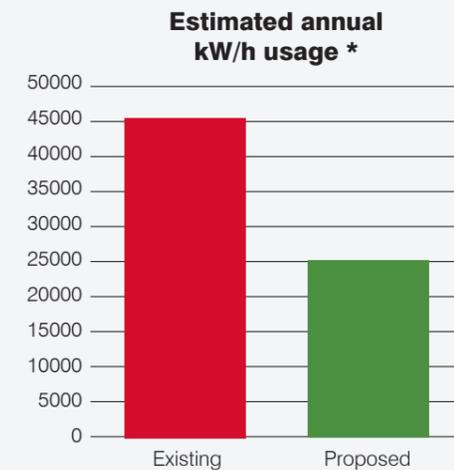
HTM 03-01 Compliance

Barkell has extensive experience within the healthcare industry and this affords us an unparalleled understanding of the HTM 03-01 requirements. With such insight into the rationale for the guidelines, we are fully adept at translating them into compliant, efficient and fit-for-purpose HTM 03-01 compliant AHUs.



CIBSE Approved HTM 03-01 (2021) CPD

In response to the recently published HTM 03-01 (2021) guidelines, Barkell offers a CIBSE approved hour-long CPD that encapsulates the revisions and offers information for mechanical AHU design, whilst considering the implications, shortcomings and potential value engineering solutions.



* Estimated annual consumption figures were calculated using a real scenario, in the UK in 2021. This graph is for marketing purposes only; the actual savings available are specific to each AHU and will vary according to utility prices, usage and environmental factors specific to that site.

** Estimated annual CO₂ production calculated using a figure of 0.49 kgCO₂e/kWh.



Barkell, as part of the Airedale by Modine group, is proud to carry the Made in Britain marque. We believe it stands for excellence in product design, quality, innovation and service and is why we are trusted in UK-wide critical applications like healthcare, pharmaceuticals and data centres.



Sustainability

We understand our responsibility to the planet and we constantly strive to limit the environmental impact of our units. We firmly believe that our industry must play its part in reducing the effects of climate change and recognise energy efficiency in our product and system design as a key part of this. We work tirelessly to ensure we offer the most efficient and effective AHUs, and our clients are reassured to know our solutions are designed to meet Ecodesign regulations regarding energy efficiency and carbon emissions. We recognise that providing our customers with energy efficient solutions is a critical sustainable development opportunity for us all.



Our vision is to support the delivery of a UK built environment where air quality is recognised as imperative to productive and healthy working and living.



An **Airedale** Company

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