

REVOLUTIONISING THE HOTEL INDUSTRY THROUGH BIDDLE'S DECOQT FAN COIL UNITS - THE REMBRANDT HOTEL

BACKGROUND: REVOLUTIONISING HOSPITALITY WITH CUTTING EDGE COMFORT

Located in the prestigious Knightsbridge area, the Rembrandt Hotel stands out with its historical allure and architectural ingenuity. Constructed in 1911, this landmark pioneered the integration of steel and concrete in its design. Originally envisioned as opulent apartments for Harrods, the hotel now thrives under the Sarova Hotel Group, preserving its Edwardian sophistication. Recently, the hotel undertook a critical update to its air conditioning system, an endeavour flawlessly suited to the innovative DecoQT fan coil units, ensuring minimal interruption to its esteemed guests.

REQUIREMENTS: PRECISION COMFORT IN A HISTORIC SETTING

The mission was to rejuvenate the hotel's rooms by leveraging the existing HVAC infrastructure to provide precise temperature control in each room, aiming for a noise level of NR26. Each fan coil unit was designed to deliver chilled water (CHW) cooling and low-pressure hot water (LPHW) heating, ensuring guest comfort with negligible noise and swift response times.



THE SOLUTION: DECOQT FAN COIL UNITS- A BLEND OF ELEGANCE AND EFFICIENCY

The collaboration between Biddle and the hotel's design team was pivotal. The DecoQT fan coil units were selected for their exceptional ability to meet stringent performance and noise level standards while minimising operational disruptions. Chosen for its robust capabilities, the DecoQT 70 features a five-row dual-purpose coil that adeptly handles the required thermal loads. Optional condensate pumps in the condensate tray further enhance functionality. Rigorous site assessments and noise evaluations confirmed exceedingly low noise levels, achieving as quiet as NR23 (28.9dBA) at the bedside, during the evening.

VALUE-ADDED BENEFITS: ELEVATING THE GUEST EXPERIENCE AT THE REMBRANDT

ENHANCED AIR QUALITY AND EFFICIENCY:

The DecoQT units are integrated with the centralised AHU system, ensuring continuous fresh air delivery, boosting energy efficiency, and enhancing indoor air quality.

SPEEDY INSTALLATION:

The design features factory-fitted valve packs at the rear of the unit, a configuration that accelerates installation, quickly freeing rooms for guest use, thereby increasing turnover.

REDUCED MAINTENANCE COSTS:

The units are engineered for easy access to filters and internal components without tools, significantly cutting down maintenance time and costs, rooms for guest use, thereby increasing turnover.

PROLONGED EQUIPMENT LIFE:

Easy maintenance access leads to cleaner filters and longer-lasting components, extending the lifecycle of the units.

OPTIMISED GUEST COMFORT:

The unique and innovative design of the DecoQT Grille ensures a gentle descent of air, reducing draughts and maintaining a quiet environment, thus enhancing guest comfort.

INTUITIVE CONTROL SYSTEMS:

Touchscreen wall controllers offer guests easy and intuitive temperature control, styled to complement the hotel's elegant décor.



INTEGRATION AND AESTHETICS: SEAMLESSLY BLENDING TRADITION AND MODERNITY

The design of the DecoQT units harmonises with the historic charm of the Rembrandt Hotel's rooms. The thoughtful integration ensures optimal air distribution for both heating and cooling, confirmed by thermographic IR airflow testing. This seamless fusion of classic aesthetics with modern technology underscores the hotel's commitment to providing the ultimate in guest comfort and style.

CONNECT WITH US: EXPERTISE IN INNOVATION COMFORT SOLUTIONS

The successful completion of this project highlights Biddle's expertise and innovation in delivering state-of-the-art fan coil solutions. Our team is equipped to offer specialised advice and support, ensuring that each project meets the highest standards of quality and efficiency. Contact us today to discover how our advanced HVAC solutions can enhance your environment.



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