

ST JAMES I PRIVATE GALLERY



PROJECT PROFILE

A large Private Gallery in St James. A Calibre design and build scheme, with a luxury commercial contractor and renowned London Architect studio.

TECHNOLOGY

Climate Control - Close Control & Humidifiers

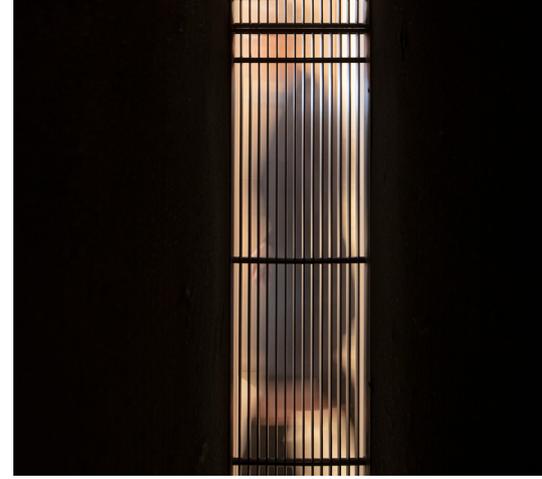
Diffusers & Grilles - Linear Grilles & Linear Bar Grilles

Noise Management - Acoustic Treatment & Duct Attenuation

Controls & Monitors - Bespoke

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We chose the close control water cooled system as the perfect option to reliably maintain a constant temperature and humidity to ensure protection of the galleries exclusive artworks.

Tim Church, Technical Consultant, Calibre



DESIGN BRIEF

Precise temperature and humidity control to protect high-value artworks. Climate control to be undetectable to preserve the high-end viewing experience.

SOLUTION

To ensure optimal conditions for the artwork and as a condition of Gallery insurance, a huge amount of air had to be continually conditioned and supplied to the gallery space, without visual, audible or sensory impact on the environment. A close-control water-cooled system was selected, having

the best control of temperature and humidity for this application. Disused basement vaults were repurposed as housings for external equipment, with indoor close-control units mounted on acoustic spring mountings and incorporating heating and humidification. Supply and return air paths constructed from acoustic foam were carefully installed in a complex plenum arrangement to prevent direct sound transfer. Discrete grilles are inset flush with the wall at high level, and jet-black vertical grilles concealed within the door openings provide return air.

PRECISION CLIMATE CONTROL

Precision control of temperature, humidity, and air quality for the protection of high-value items or products.