



Library Case Study

The discrete Hi-Velocity Mini Duct System blends perfectly into this library and listed building

Client requirements

Wandsworth Borough Council required a cost effective heating, cooling and fresh air ventilation system when their Grade one listed building and museum was converted into a library. A flexible system was needed to blend inconspicuously into the renovated building with minimum disruption, while maintaining the original features.

The solution

Members of Wandsworth Council first saw the Hi-Velocity system at an exhibition in 2008 and were impressed by the discrete outlets. They subsequently attended a Cooling & Heating Sales Ltd CIBSE CPD presentation to find out more. Hi-Velocity was specified for the project following an exhaustive feasibility study and approval from the architects that the system would maintain the aesthetics.

Four 101 HE Hi-Velocity systems, with total cooling and heating capacities of 45 kW and 80 kW respectively (one of the systems is heating only) were installed. Each system handles 50% fresh air and operates in conjunction with efficient, sustainable energy, inverter driven air source heat pumps, together with the LPHW heating coil incorporated in the air handling unit.

Effective multiple-zoning allowed individual time and temperature control for the main areas. Floor and wall space was optimised as there were no radiators or large grilles to accommodate. Minimal change was required to the listed building as the mini ducts are easy to pull through walls, floors and ceilings.

A variety of discrete air outlets were positioned in out of traffic areas in the walls and floors to eliminate draughts, save space and complement the décor of each area. Polished chrome outlets were chosen for under the windows.

Follow up

The library manager and staff are delighted that the aesthetics of the building have been maintained and are enjoying the perfect environment provided. The new library was officially opened by the Mayor of London, Boris Johnson, on October 21st 2009.

Wandsworth Borough Council

“All expectations were met. The aesthetics of the listed building were maintained due to the unobtrusive, draught free and quiet Hi-Velocity systems. The library manager and staff are pleased with the environment provided by the energy efficient heat pumps.”

Hi-Velocity
Systems™



Benefits

- Draught-free
- Heating and cooling
- Discrete
- Easy to install
- Space saving
- Energy efficient
- Fresh air option
- Quick temperature response
- Air purification option

Installed in

Offices • Luxury houses
 Apartments • Hotels • Schools
 Factories • Laboratories
 Hospitals • Doctors surgeries
 Universities • Restaurants
 Shopping centres • Theme parks
 Leisure centres • Libraries
 Home cinemas • Care homes
 Commercial kitchens



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Call us **today** on **0800 731 6352** to find out how Hi-Velocity can be the solution for your project.
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