

Press Release
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HCA Textile Diffusers for Queen Mary University Library London

The new Library at QMU is more than a library, it's been designed as a meeting and working space, with areas to relax and socialise and tables for eating from the library food bar. The ground floor area runs deep into the building and lighting has been provided that creates an interesting and relaxing environment by regularly changing colours with deep hues of red, purple and green. Clearly a lot of thought has gone into the design making the space inviting and mixed purpose.

Within this environment High Care Air has designed alongside services consultant Mendick Waring, several systems of Textile Diffusers designed to provide Tempered Fresh Air to all of the ground floor library spaces.

The Bright Red Textile Diffusers are either exposed against a stark black ceiling or partially exposed between different styles of ceiling furniture – mostly open slats allowing air to filter through into the occupied zone.



High Care Air supplied a Flame Retardant Material that also has an Anti Microbial treatment designed to prevent any microbial build-up directly on the interior of the ducts caused by water carry over from the AHUs. The air is diffused through tiny laser cut 0.4mm Microperforations positioned all over the diffuser circumference. This specially designed method of delivery (Unique to HCA) ensures that little or no dust becomes trapped by squeezing the air through the weave of the material in the traditional way, resulting in much less maintenance being required over the systems' lifetime.

HCA worked closely with JSMS the Mechanical Contractor to ensure the smooth delivery of this complex project. There were many plenums, branches and bends of different angles. The programme and fast manufacturing time allowed for most of the suspension to be installed prior to the Textile Diffusers being cut and sewn at the factory, final measurements for complex sets were then



measured in situ and the diffusers once made were simply slid into place and zipped together, just prior to commissioning.

HCA Textile Diffusers are available in a range of nine standard colours all at no additional cost.

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Original of this article at <http://www.highcareair.com/project-reviews>

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