

Air Diffusion update **number 2**

AIR DIFFUSION GRILLES AND LOUVRES BRING COOL COMFORT TO TOP LONDON DEPARTMENT STORE

A range of grilles and diffusers from Air Diffusion is helping to provide discreet environmental control at one of London's top department stores.

Peter Jones at Sloane Square in Chelsea is the flagship of the John Lewis Partnership. Recently the store underwent the biggest refit in its history. The £100 million refurbishment project aimed at retaining the store's distinctive features such as the old spiral staircase, while introducing the modern facilities that are integral to the Partnership's newest outlets.

Over a period of five years the store buildings - some more than 100 years old - were transformed to create 21% more sales area. Dramatic new features include a central atrium created to house the repositioned escalators, which now extend into the 6th floor. All of this was achieved while the store remained open for business as usual. Departments were cleared for renovation one by one - relocating when necessary to temporary premises



set up in the store's warehouse with a shuttle bus service to carry customers the short distance between.

The final piece in the jigsaw - the return of the furniture department to the 5th floor - was completed in time for the formal opening by Chairman Sir Stuart Hampson.

Air cooling

During the refurbishment programme, air cooling was introduced for the first time in Peter Jones' long and distinguished history.

Central air handling plant in plant rooms located on the roof and at local level for certain floors supplies conditioned air for distribution throughout the store. The supply air path is via ductwork, with return air circulating through plenums created between the floors.

Air Diffusion air terminal devices are used extensively throughout the project from the lighting department in the basement to the new self-service restaurant on the 6th floor, which boasts some of the best views in London northwards to Hyde Park. They combine efficient supply and exhaust duties with discreet good looks and the ability to adapt to any change in the

internal layout of the store - always a key consideration in a busy retail environment.

Air Diffusion Model SA Square Louvre Face diffusers with bevelled flange borders supply air into the sales floors and core areas. These ceiling mounted units were supplied complete with purpose designed plenum boxes. Versatility is a keynote of the Model SA design, which is available with a choice of 1,2,3 or 4-way horizontal air distribution patterns. The removable, extruded aluminium core permits easy access for cleaning and adjustment, or even replacement with a different distribution pattern, so that future changes in store layout and partitioning can be accommodated with ease.

Model SD single deflection grilles and Model DD double deflection grilles are used to distribute air within the offices adjoining the sales areas. Elsewhere the ventilation system also features Air Diffusion Model PD/DFP Dropped Face Perforated Diffusers and Linear Slot Diffusers.

Consultants for the Peter Jones project were Troup, Bywaters Anders and contractors were Meica Services. Bovis Lend Lease was the builder.

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