

Case Study - Westin London City



Prestige London hotel featuring multiple Vortex-GDS UV ventilation Canopies

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Design Team

Architects: Dexter Moren Associates

M&E Consultants: Red Engineering Design Ltd

Catering Consultants: Humble Arnold Associates

Main Contractor: Vascroft Contractors Ltd



Top: Large condense canopy over dishwasher

Corsair working with Court Catering Equipment, designed and manufactured all canopies, distribution units and wall cladding in its own British workshops located in Banbury.



Top: Island canopy with services distribution unit

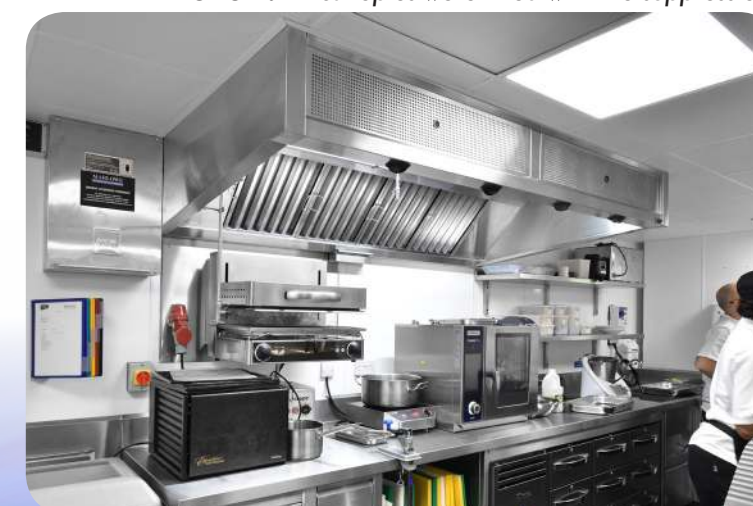
VORTEX-GDS
by CORSAIR



Top: Wall mounted UV canopy with wall cladding



Bottom: All canopies were fitted with fire suppression



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Top: Island UV canopy with supply air

The Westin is a new 10 storey luxury hotel, located on the banks of the river Thames. The new facility is served by five commercial kitchens combining theatre style cooking, main production kitchens, banqueting suites and numerous bars.

With so much cooking taking place there was a requirement to control the grease and odours being extracted through the ductwork, which called for Corsair's **Vortex-GDS** UV system which provides secondary grease removal and odour destruction, reducing the fire risk, protecting the building and meeting planning requirements.

Bottom: Theatre style cooking with wall mounted extract canopy



UV lamps inside each canopy also reduce lifetime costs by reducing maintenance as duct cleaning is virtually eliminated.

The UV lamps break down organic matter within the grease and odours by a combination of photolysis and ozonolysis. The system works automatically when the extract plant is running.

Each kitchen has extract and supply canopies to provide plenty of fresh filtered air to ensure safe running of gas powered appliances. To keep the staff cool, personal spot cooling nozzles are installed on the underside of each supply plenum.



Top: UV reaction chambers are conveniently located behind the primary baffle filters

Want to learn more ?

We offer a free CIBSE approved seminar on the subject of kitchen ventilation design where you can learn about the latest developments and regulations.



Top: Two UV canopies in Banqueting suite kitchen

With so much cooking equipment under each canopy the routing of services needed careful consideration. Corsair designed and installed services distribution units to safely route the gas and electrical services to the appliances.

When a cooking range is located against a wall, stainless steel splashback cladding was installed to provide a smooth easily cleanable surface behind the cookline.

To complete the installation, canopies were fitted with Ansul fire suppression systems and low energy LED recessed light fittings.

Bottom: Island canopy complete with services distribution unit

