

CASE STUDY Wirral, Merseyside - DUOVENT

Flat-Pack Ventilation Solution for Unilever Laboratory

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Situation

S&P was selected to supply a ventilation system for a new high-specification laboratory facility for Unilever – a globally recognised client. This high-profile project presented multiple challenges, including complex design conditions and difficult logistics. The ventilation system needed to be installed in a plant room located on the first floor, accessible only via a narrow route through a fully operational office and factory environment, which operated 24/7.

Solution

S&P supplied a DUOVENT Unit, chosen for its performance, modular flexibility, and suitability for demanding commercial environments. To manage the site's restricted access, the unit was delivered in flat-pack form and transported through the narrow internal route on a quieter Saturday. This minimised disruption to Unilever's operations. A full route review was conducted in advance, including a walkthrough video to plan logistics in detail. S&P's engineering team returned on-site the following Tuesday to fully construct the DUOVENT unit and install the required packaged controls.

Benefits

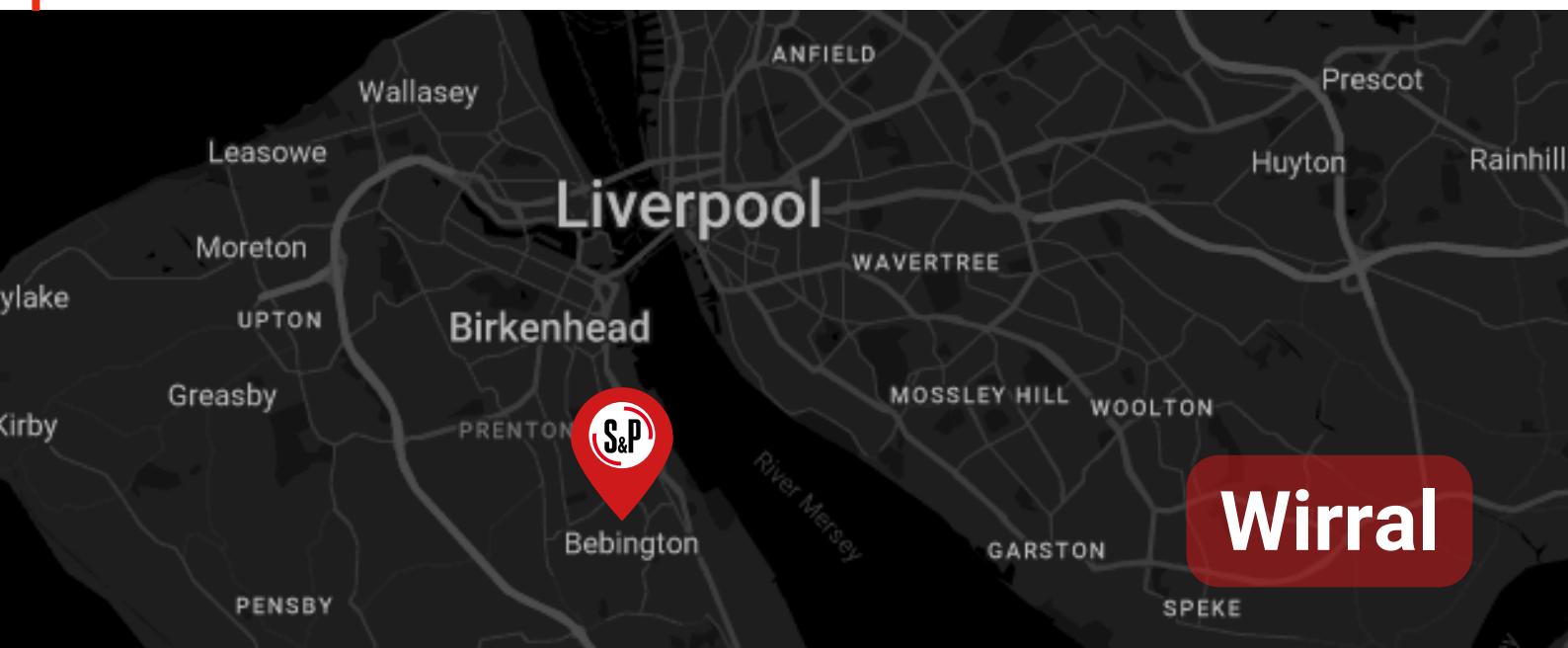
- Modular, Flat-Pack Flexibility: The DUOVENT unit's modular design allowed it to be broken down and transported through constrained spaces, then reassembled efficiently on site.
- Minimal Disruption: Strategic scheduling of delivery outside peak operational hours ensured the client's day-to-day operations were unaffected.
- Fast Turnaround: The S&P engineering team assembled the unit just days after delivery, reducing downtime and speeding up completion.
- Custom Controls: On-site fitting of packaged controls enabled precise system integration tailored to the lab's technical needs.

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S&P provided a smart, well-organised solution for what was a very complex installation. Their ability to deliver a flat-pack DUOVENT unit and assemble it quickly with minimal disruption was key to the project's success

Danny Di Stefano

Director, JD Engineering (NW) Ltd



Air Handling



Heat Recovery



Inline Duct



Acoustic Fans

**S&P's DUOVENT, A range of customisable air handling units with air volumes up to 14 m³/s.
All models 50mm Double-Skinned Acoustic Panels to Reduce Noise with frameless construction,
providing the highest classification for both casing strength and air leakage.**

Customisable Features:

- Weatherproofing (Roofs/ Cowls/ Louvres/ Dampers)
- Dedicated lifting brackets for modular sections
- Run and Standby Fans
- Attenuators (to reduce noise)
- Lighting
- Portholes (to facilitate maintenance)
- Lockable Handles

The following Site Services Can Be Added

- Pre-Inspection
- Thermal Wheel Assembly
- Plate Exchanger Assembly
- Flatpack
- Bolt and Seal
- Casing Leakage Test
- Airflow Proving
- Wiring and Initial

The following finishes are available:

- RAL9002 (a grey-white colour)
- Galvanised Steel
- Stainless Steel
- C4 (Coastal Protection)
- Colour



Interested in discussing these projects further or exploring potential opportunities? Reach out to Chris Dawson, Project Sales Manager - North West

Contact Chris here: cdawson@solerpalau.com
07799 824192

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The Unilever project tested our ability to adapt quickly and deliver under tight logistical constraints. From the first site visit to final assembly, it was a coordinated effort that showcased what we do best—tailored solutions with minimal disruption

Chris Dawson

Project Sales Manager - North West

