

Case Study

For Your Perfect Indoor Climate



Key Benefits

- ✓ Comfortable, virtually draught-free heating & cooling in one system.
- ✓ Stable environment for accurate test results – even temperatures without draughts.
- ✓ Discreet air outlets free up floor and wall space.
- ✓ Option for future upgrade to add high specification air purification.

Accurate Test Results and a Comfortable Working Environment Eurofins Scientific Laboratories, Acton

The problem: Eurofins Scientific is a leading international group of laboratories with over 225 laboratories in 39 countries. They needed to provide cooling & heating for their UKAS (United Kingdom Accreditation Service) accredited laboratory in Acton, London. The custom-built laboratory specialises in the microbiological analysis of food, beverage and environmental water samples.

To ensure accurate test results, it was essential to maintain the indoor environment at an even, stable temperature, without draughts and hot or cold spots. It was also important to keep the staff comfortable. As they worked in specific areas for long periods of time, no one wanted to be under an uncomfortable air conditioning draught.

The solution: InterFocus Ltd, the laboratory and educational fit-out specialist, recommended the Ingenious Air Small Duct System. Nine systems of differing sizes were installed, each paired with a sustainable air source heat pump.

The system's induction method of air delivery creates an imperceptible, virtually draught-free, air movement pattern. This keeps room temperatures even and stable throughout the laboratories. Induction has a natural de-humidification action, which removes extra moisture from the air. This counteracts the effect of the high use of Bunsen Burners and keeps the environment comfortable.

Discreet air outlets free up wall and ceiling space and gave increased flexibility for room layout and design. They deliver air to exactly where it is needed.

Follow up: The Eurofins laboratory site provides a comfortable working environment and the accuracy of test results is not affected by the indoor climate. In addition, Eurofins has the option to easily add high specification air purification in the future. This optional module eliminates the three main causes of indoor pollution. It would be useful if use of the laboratory changes or if increased air purification is necessary for new testing procedures.



The Ingenious Air Small Duct System - WINNER of UK 'Air Conditioning Product of the Year' RAC Industry Cooling Awards 2015

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