

BUILDING VENTILATION SOLUTIONS

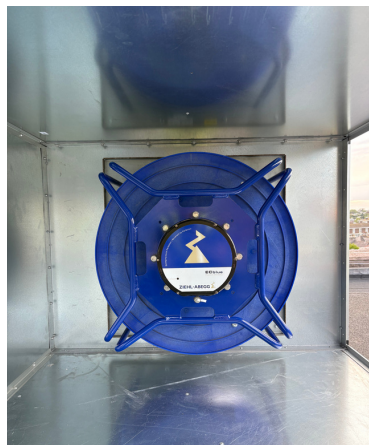
Case Study AHU Refurbishment Plymouth Hotel



Case Study - Plymouth Hotel - AHU Refurbishment

This Hotel in Plymouth had noise and vibration complaints from customers staying, coming from the kitchen into the bedrooms, due to the kitchen unit failing and poor ventilation performance. Our engineers ran a two-day site survey and measured extract and supply air volumes against DW172 standards. We found the extract system was undersized, grease-filled ductwork, an incorrect silencer and the fan was failing. The 40-year-old supply AHU was only delivering a quarter of its rated airflow, due to clogged filters and a dirty coil.

We recommended replacing the extract fan and repairing the AHU. This would restore proper airflow, remove the noise, and cut running costs.



AHU Refurbishment - Plymouth Hotel



New Silencer Pods

Kitchen Extract & Supply Survey

On-site inspection and measurement of kitchen extract and supply air volumes against DW172 industry standards to establish true performance against design requirements.

Extract Fan Replacement

Installation of a new acoustically treated, variable-speed extract fan on proper anti-vibration mounts to raise extract volume to 4m³/s and eliminate bedroom noise and vibration.

Supply AHU Refurbishment

Remedial works to the ageing air-handling unit, including filter and fan upgrades, coil cleaning, and condensate trap fitting to restore supply airflow and reduce corrosion risk.

Ductwork & Air Distribution Balancing

Cleaning and review of extract ductwork and silencers, plus balancing of the kitchen's supply diffusers, to ensure even and effective air distribution throughout.

GET IN TOUCH WITH US

Our dedicated team is ready to assist you with your needs. Get in touch and we'll promptly respond to your inquiry. Don't hesitate to contact us for your personalised savings calculation today!

Unit 23, Sandleheath Industrial Estate, Old Brickyard Road, Sandleheath, Hampshire, SP6 1PA

CONTACT DETAILS

www.bvs-ltd.co.uk

Tel: 01256 518170

info@bvs-ltd.co.uk