



Manufacturing
Air Filters in
the UK for
Over

40
Years



Local Exhaust Ventilation (LEV) Testing Services

LEV systems must be examined and tested every 14 months under Health & Safety Executive (HSE) Guidelines



Technical Bulletin 4: 2012

What is Local Exhaust Ventilation (LEV)?

Each year thousands of workers in the UK develop illnesses such as lung disease, cancer and other complications as a result of exposure to airborne contaminants whilst at work. Any work that produces a dust, mist, fume, gas or vapour could be a substance hazardous to health and cause unnecessary risk to an employee's health.

Employers are often unaware that their employees might be overexposed to potentially harmful airborne substances. This is contributed to by a number of factors, including inaccurate identification of the source of exposure, controls not being correctly used or the owner/manager being over optimistic about the effectiveness of their current controls.

A LEV system is an engineered solution specifically designed to capture and control any airborne substance before it can become inhalable and potentially harmful to the user. By means of appropriate extraction methods a LEV system provides control measures in the workplace preventing diseases and conditions occurring later in life.

Types of LEV equipment	
Fume Cupboard	On Tool Extraction
Partial Enclosure Booth	Laminar Flow Cabinets
Extraction Canopy Hood	Welding Hoods

LEV is a way of controlling and reducing the exposure of workers to airborne containments which could be hazardous to their health. For example, a manufacturing process may have localised extraction hoods connected with ductwork to a fan and filter which transports contaminated air away from the workers before discharging it into the atmosphere.

Typical industries and activities where the control of airborne hazardous substances maybe needed:

- Saw mills and joinery

Welding and sheet metal work

Stone-masonry

Manufacturing environments

Factories

Laboratries and chemical handling

Schools, Colleges and Universities

Paint-spraying and powder coating
- Engineering

Bakery and food manufacture

Plating and metal treatment facilities

CNC machining

Grinding, finishing and polishing

Fabric and material manufacture

Garages

LEV systems are often used to control	
Gases	Mist
Vapours	Fibres
Dusts	Steam
Fumes	Swarf

Legal LEV testing requirement:

It is a legal requirement, as set out in the Health and Safety at Work etc Act 1974, for any employer to maintain healthy working conditions for employees. The law states that any employer that uses LEV techniques in the workplace must have their equipment examined and tested every 14 months (under the current Control of Substances Hazardous to Health Regulations COSHH) to ensure it is working effectively and safely.

To keep legal, employers should ideally schedule examinations and testing every 12 months, to provide a two month period for any remedial work to be carried out.

Every employer who provides a LEV system must ensure: "...it is maintained in an efficient state, in efficient working order, in good repair and in a clean condition" - Regulation 9 -1 COSHH.

Good LEV service regimes and regular testing ensure that existing LEV systems continue to remove contaminants in the air before people breathe them in, delivering a safer workforce and cleaner environment.

Our LEV Expertise and Services

Jasun Envirocare has 40 years industry experience in: dust extraction, thorough LEV testing, inspection, repair and maintenance for all types and sizes of businesses across the UK and abroad.

We undertake thorough examinations of LEV equipment including: hoods, filters and ducts, extraction servicing, personal air sampling and technical performance using state-of-the-art equipment.

Where appropriate, we will make recommendations and can supply and order parts for any repair work and remedial cleaning of the ducted systems.

All our inspections and tests are fully in accordance with current LEV industry guidelines.

Our LEV engineers hold the BOHS (British Occupational Hygiene Society) P601 'Commissioning and Thorough Examination and Testing of Local Exhaust Ventilation Systems', which the HSE guidance (HSG258) refers to as one measure of competency in this area.

Our LEV testing services include:

Our reports clearly address and assess whether the LEV system complies with all current regulations and legislation:

- COSHH (Regulation 7)
- HSG258 (Controlling Airborne Contaminants at Work)
- Health and Safety at Work Act 1974
- Management of Health and Safety Work Regulations 1999

Our examinations are carried out with multiple methods of quantitative and qualitative testing, using a range of the best equipment and knowledge available. All our test equipment is fully calibrated for accuracy and tractability, with certification provided covering all aspects of the report.

We assess for industry standard practice in a LEV system: design principles; initial installation; user active control measures and behaviours; users PPE (Personal Protective Equipment)... and the ventilation control of the system as a whole.

We issue a 'Certificate of Compliance' within COSHH requirements - should the LEV system pass HSE regulations under HSG258.

What makes us special...

- Our in-house expertise puts us at the forefront of innovation in the commercial air hygiene and water treatment industry.
- We provide a 'one-stop-shop' for filter supply, distribution and installation to meet all commercial air hygiene and water treatment needs:
- We deliver clean air where it matters. We provide air filters, clean ductwork, monitor indoor air quality and we validate Clean Rooms.
- We manage water hygiene systems by monitoring, cleaning and refurbishment of commercial water systems.
- We have a proven track record in providing fast turn-around, from order to delivery.
- Our full range of filter products, including custom sizing and pricing, can be purchased online at: www.jfilters.com
- We manufacture and supply filter products that meet International Organization for Standardization (ISO) and European (Eurovent) requirements.
- We provide a customer care and advice service that is rapid in its response and effective in meeting the challenge.

Our Accreditation

Part of our determination to be at the forefront of our industry means that we seek confirmation, validation and evaluation of our working practises and quality standards from all relevant accreditation bodies and agencies.

We aim to provide our customers with the peace of mind that they are complying with all satutory regulations in: protecting the environment; caring for the health and safety of employees and the communities in which we live.



We are accredited by BSI to ISO 9001, ISO 14001 and to OHSAS 18001.

Filter Manufacture & Air Hygiene Solutions

Production

Head Office
Riverside House, Parrett Way, Bridgwater TA6 5LB

T +44 (0) 1278 452277 E sales@jfilters.com
F +44 (0) 1278 450873 www.jasun-envirocare.com

Service Division

5 Stratfield Park, Elettra Avenue, Waterlooville, Hampshire
PO7 7XN

T +44 (0) 2392 644700 E service@jfilters.com
F +44 (0) 2392 644677 www.jfilters.com

FREE Energy Filter Audit - Contact our Service Division

Online Services - Our Energy Rated products are available online at www.jfilters.com and at www.jasunfiltration.com