

Ever Resource Limited,
Field Street,
Willenhall,
West Midlands
WV13 2NY.

For the attention of Mr. Neil Smith

Date: 08th March 2021

Ref. A.E.S. 30140/DB - Dust Extraction System

Dear Sir,

Firstly, many thanks for the courtesy extended to myself during my recent site visit to your premises and your request for a quotation regarding the **Dust Extraction** requirements at the above named site.

I have pleasure in supplying our latest specification and quotation. The system(s) below are fully compliant with the latest H.S.E Guidance requirements.

All our Sales Engineers are trained and qualified to a British Occupational Hygiene Society (B.O.H.S) **P602** standard in the Design Principles of Local Exhaust Ventilation (L.E.V) showing competency in the latest H.S.E issued guidance's in all areas of fume and dust removal.

Should you require further information or wish to proceed with the proposals, you can contact me directly on **07778 589637** or e-mail **darren@autoextract.co.uk**

We look forward to being of service to your Company and await your further instructions.

I would be very grateful if you could acknowledge receipt of this quotation.

Yours Sincerely,

Darren R Bell (P601 & P602 Qualified)

Director

For and on behalf of

Auto Extract Systems Limited

E-mailed copy to: n.smith@ever-resource.com

A.E.S. 30140/DB**Ref - Dust Extraction System**

Supply and fitting of new galvanised steel ducting and fittings to accommodate **3no.** High volume Grinding Dust extraction points. The new system details are as follows:

New Points 1 - 3 will be A.E.S installed flexible 200mm connections via hoses which will be connected to the existing machine spigots. Each connection will be fitted with a 200mm balancing valve to regulate the airflow to each point.

Dust Bank Collection Unit - CFE-4 Modular dust collector

- **Filtration Method** - Reverse pulse action with compressed air with 5.0 - 7.0-bar permanent supply required. Minimum 0.24m³/minute.
- **Filter Cartridges** - 4no x Polyester filter sleeves, surface area **19.5m²** each.
- **Total Filter Surface Area** - 4no. x 19.5m² = **78m²**
- **Self-cleaning / Self-Monitoring** - Fully automatic system, fused spur 240-volt supply required.
- **Filtration Standard** - 99.9% DN EN 60335-2-69 M (BIA).
- **Metal Bin Capacity** - 55-litres of waste material contained in a strong plastic sack for easy disposal.
- **Filter Dimensions** - 2.18m high x 1.07m wide x 3.46m total length for filter changing.
- **Weight** - 350kgs.

High Filtration is achieved by the '**Reverse Pulse**' method where compressed air is manually released down the inner side of the filter cartridge over internal '**torpedo**' shaped filter carrier. This process enables that the pneumatic air is used more effectively down the full length of the filter compared to conventional cage carried or shaker type filters.

The unit comes complete with a programmable 240-volt control panel with can be used to modify the start-up pressure drop for the filter cleaning mechanism to commence (on-line cleaning), the duration of the cycles and the number of cycles. It can also be used to show the state of the filters (pressure resistance) and can also manually pulse clean the filters (off-line cleaning).

Pneumatic Air Supply this filter unit requires a **permanent** compressed pneumatic air supply with a **¼ BSP male** fitting. The pneumatic air must be clean, oil free & condensation free. The unit's normal working pressure is **5.2 bar**.

Filter Cleaning Mechanism Electrical Supply this filter unit requires a **permanent** 240-Volt fused spur connection direct to the pre-installed filter cleaning Control Panel.

The supply and final connections of both these supplies (pneumatic air & 240-volt) are **not** included within this quotation price and will be carried out by others. These two parts are used in conjunction with the filter-cleaning program, which once set-up is fully automatic.



Typical CFE Filter Installation

Energy Saving Extraction Fan A.E.S supplied FB-750, 7.5Kw, 415-Volts, 12,000m³/h Free-Blowing, Maximum Pressure 3,300Pa.

Running Current 13.80A, start-up current 106.30A. Breaker & isolator to be rated at a minimum of 35.00A.

The new fan outlet will be ducted to atmosphere via the nearest wall / roof, it will be turned upwards and will terminate with a high velocity cowl (H.V.C) as per the H.S.E Guidance notes. This new type of jet cowl allows for better vertical dispersion above the building boundary and is as per their recommended method of effective dispersal. This hole will be cut and sealed by our own engineers.

A suitable star-delta motor starter and enclosure will be delivered as loose equipment.

All electrical connections and interconnecting wiring to our extraction fan and the loose provided starter is **not** included in the contract price and will be carried out by others.

A 500mm diameter fan attenuator will be fitted to the outlet side of the extraction fan as required.

Total Price for the above works will be £ 18,163.00 plus V.A.T at current rate. This price will remain valid for a period of 60 days from the date of this quotation.

Option - Airflow Indicators (H.S.E Guidance Recommendation)

The Health and Safety Executive (H.S.E) recommends that airflow indicators should be fitted to all Local Exhaust Ventilation (L.E.V) points on all systems in their current HSG258 Guidance. It is also a requirement by any CoSHH testing company to check that airflow indicators are fitted to all L.E.V extraction points as part of the compulsory Thorough Examination and Test (TExT). These bespoke airflow indicators are simple to set up and greatly improve the safety of personnel using an L.E.V as any reduced performance of a system can be easily identified and steps taken.



Price (EACH) for the above equipment will be £ 126.00 plus V.A.T at current rate. This price will remain valid for a period of 60 days from the date of this quotation.

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Option - Safe powered access for buildings from 6 - 9 metres will be required. If this is not available for a period of up to 1-week, then we can organize this at the cost below.

Total Extra Price for this is £ 320.00 plus V.A.T at current rate. **Please advise if one is available or not.** This price will remain valid for a period of 60 days from the date of this quotation.

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LEV Testing Included

The LEV testing of all Local Exhaust Ventilation (L.E.V) systems is a `legal requirement` in Law and will be carried out by A.E.S qualified engineers as part of the works above. What does the Law say?

Regulation 9 of the CoSHH Regulations requires that all control measures, e.g. Local Exhaust Ventilation (L.E.V's), provided by an employer are properly maintained, regularly examined and thoroughly testing of an on-going basis and records kept. It specifically states that:

- (1) Every employer who provides a control measure should ensure that it is maintained in an efficient state, good repair and good working order.
- (2) L.E.V plant must be examined and tested at least every 14-months. Some substances and processes

- are subject to a shorter interval.
- (3) A record of the examination and test should be kept for at least 5-years (and must be available for inspection by H.S.E inspectors upon request)

After the system(s) has been electrically wired and confirmation received by our office, an initial appraisal test will be carried out. This initial comprehensive report forms the benchmark for the system(s) for year one and for the following annual on-going test(s) in subsequent years. All documentation including manuals and product information will be available to view through our secure website portal.

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Justification

The Health and Safety Executive (H.S.E) now operates a **'Fee For Intervention'** (F.F.I) cost recovery scheme which came into effect on 1st October 2012. Under the new Health and Safety (Fees) Regulations 2012 those who break health and safety laws are liable for the recovery of H.S.E's related costs, including inspection, investigation and taking enforcement action. The current H.S.E rate for their F.F.I inspectors to enforce their current guidance in this matter is **£ 157.00 plus V.A.T PER HOUR** should they find non-compliance in any area that they see fit. The H.S.E claim that the average cost of an Inspection (including a letter) is between **£750 & £1,500**. The costs for 'Full Investigations' can be tens of thousands of pounds. More information at <http://www.hse.gov.uk/fee-for-intervention/>

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Electrical Warranties

ALL electrical wiring, to or from any part of a completed A.E.S mechanical installation whatsoever is **strictly excluded** from this quotation price. It is the responsibility of the customer / end user to appoint an Approved Contractor to carry out the electrical installation in accordance with the I.E. Wiring Regulations, 17th Edition, 2008.

The Approved Contractors must connect to our equipment precisely in accordance with the wiring diagram on the rear of the motor cover a copy of which will be provided if required. The electrical contractor must calibrate overload settings and stand by at start up and monitor amperage loadings to ensure that all components operate within their rated capacity. Although the overloads provided have 'single phasing' detection at initial start-up, the contractor should check that all three phases are good to avoid damage to the motor windings.

The motor starter and enclosure provided by A.E.S will be supplied loose in a box for his final connection and electrical testing. Two points of lockable isolation are required in the regulations, at high level close to the extraction fan and at low level next to the motor starter.

A 'Certificate of Inspection and Completion' should be obtained from the Approved Contractor and a copy of this document should be sent to this office to ensure validation of your warranty. Failure to comply with any of the above invalidates all electric motor and electric control panel warranties. All replacement goods and re-installation works will be re-charged accordingly.



Standard Terms and Conditions (full version will be made available upon request)

- This offer is valid for a maximum 60 days from the date on title page.
- Terms of payment are to be agreed **prior** to any delivery / Installation.
- No retention will be held for any period without our written prior consent.
- All prices are exclusive of V.A.T and will be charged at the prevailing rate.
- All goods fixed or unfixed shall remain the property of A.E.S until paid for in full in accordance with the invoice and the title of the goods shall remain with A.E.S until payment is made in full.
- Unless otherwise agreed with our Sales Manager the production of any CAD drawings are excluded from our quotation, however we do have CAD facilities and can quote accordingly for any drawings that are required as part of the project.
- With respect to the Construction Design and Management Health and Safety regulations (C.D.M), we have assumed that A.E.S is not the 'Principle Contractor'.
- System(s) are strictly **not** to be used for engine regeneration (unless stated otherwise)
- Safe Site Storage and Welfare Facilities (if applicable).
- All further silencing of the extraction fan(s) including fan motor noise and air noise breakout not mentioned within the quotation is exclusive to this offer.
- Our quotation excludes for any 'site specific' specialist lifting / powered access equipment i.e. Forklifts, craneage, specialist scaffolding and any civil works not specifically mentioned as included within our quotation.
- Any building or civil engineering works are excluded i.e. cutting away brickwork, roofing work, structure alterations & returning same to weatherproof condition unless as specifically agreed by the contract in writing.
- Unless otherwise stated any sealing / lagging of ductwork to achieve DW144 Class A is excluded.
- Unless otherwise stated all leakage testing to DW144 Class A is excluded.
- No warranty works will be undertaken until payment is made in full.
- All electrician costs at any stage of the installation and warranty periods.
- All electrical disconnections and reconnections to our equipment are **not** included within our quotation unless otherwise stated.
- A.E.S. cannot be held responsible for variations to schedule or contract arising from or as a result of any issues relating to Brexit. Any extra costs or delays cannot be charged to A.E.S.
- A.E.S full terms and conditions will apply unless otherwise agreed in writing by ourselves at all stages of the contract.
- The offer is based on working normal working hours Monday to Friday. Premium rates may apply for out of normal hours and weekend works.
- It is the responsibility of the client to provide A.E.S with on-site waste disposal for our standard packaging i.e. cardboard and pallets etc.
- All quotations carried out from received drawings are budgetary and are subject to a short site visit to check site conditions and substantively of the equipment fixings.
- The LEV / commission test does not form part of the contract offer or the final payment terms and cannot be used to delay any subsequent invoice.
- Supply Only Cancellation Policy - A.E.S will only accept supply only goods back in a boxed new condition subject to a 20% handling fee.
- Installation Order Cancellation Policy - Orders under £10,000.00 are subject to a 15% handling fee. Orders over £10,000.00 are subject to a 40% handling fee.
- All Non-stock specials will not be returnable unless under fault warranty.

Guarantee If your A.E.S supplied product becomes defective due to faulty materials or workmanship within a period of 12-months from the date of our original invoice, we guarantee to replace all defective parts free of charge, or at our discretion provided that:

- 1) The product has not been misused or abused or used in any way other than for the purpose that it was originally designed.
- 2) Repairs, modifications, additions have not been attempted to any completed installation by any unauthorised persons that alters our system design criteria without our written consent.
- 3) A.E.S continues to LEV test / service the system(s) on a rolling contract basis during the normal life of the installation.

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Delivery / Installation will be provisionally based on 8 - 10 weeks from the receipt of an official works order. We will however endeavor to meet any specific reasonable request.

Accepted By:	A.E.S Ref No: A.E.S/
Position:	Tel No:
Signed:	Order No:
Date:	E-mail address:

Methods of Acceptance

Please e-mail directly back to the sender or contact sales@autoextract.co.uk stating:

- 1) Your official company order number.
- 2) Your company contact details including phone number and site contacts.
- 3) Your equipment delivery address.
- 4) Your invoicing address (if different).
- 5) Identify all elements required (options, extras, LEV testing etc.)
- 6) Preferred method of payment (new customer), account, credit card, debit card or B.A.C.S.

Our head office telephone number is 01942 267444

