



INSTRUCTIONS FOR

EXHAUST FUME EXTRACTION SYSTEM 230V - 0.5HP - SINGLE & DOUBLE HOSE

MODEL NO: **EFS100F, EFS101 & EFS102**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual

1. SAFETY

1.1. ELECTRICAL SAFETY

WE RECOMMEND THAT ELECTRICAL INSTALLATION SHOULD ONLY BE CARRIED OUT BY A QUALIFIED ELECTRICIAN.

- WARNING!** It is the responsibility of the owner and the operator to read, understand and comply with the following:
You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage. You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices. A Residual Current Circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a Residual Current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey stockist. You must also read and understand the following instructions concerning electrical safety.

1.1.1. The Health & Safety at Work Act 1974 makes owners of electrical appliances responsible for the safe condition of those appliances and the safety of the appliance operators. If in any doubt about electrical safety, contact a qualified electrician.

1.1.2. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.

1.1.3. Ensure that cables are always protected against short circuit and overload.

1.1.4. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that none is loose.

Important: Ensure that the voltage marked on the appliance matches the power supply to be used.

- * **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item repaired or replaced by a qualified electrician.

1.2. GENERAL SAFETY

- WARNING!** *Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.*

✓ Familiarise yourself with the application, limitations and potential hazards of the extractor.

- WARNING! Disconnect the unit from the mains power before servicing or performing any maintenance.**

✓ Maintain the extractor in good condition (use an authorised service agent).

✓ Replace or repair damaged parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*

✓ Locate the extractor in a suitable working area, keep area clean and tidy and free from unrelated materials. Ensure there is adequate lighting.

✓ Ensure there are no flammable or combustible materials near the work area.

- WARNING! The exhaust gases from the outlet of the fan will be hot.**

✓ Ensure that ducting is not located close to any flammable materials.

✓ Ensure that the material used for the ducting from the outlet is heat resistant and flame retardant..

✓ Ensure that the exhaust gases are released outside of the workshop building.

✓ Regularly check exhaust hosing and ducting for leaks.

✓ Ensure that there is a vacuum at the extractor cone before connecting to the vehicle exhaust pipe.

✓ Keep children and unauthorised persons away from the working area.

- * **DO NOT** use extractor when conducting a force regeneration on a vehicle fitted with a Diesel Particulate Filter because of high temperatures from the exhaust. These high temperatures may melt the rubber exhaust cones or pipes on the fume extractor.

* **DO NOT** use the extractor for a task it was not designed to perform.

* **DO NOT** operate the extractor if any parts are damaged or missing as this may cause failure or possible personal injury.

* **DO NOT** get the extractor wet or use in damp or wet locations or areas where there is condensation.

* **DO NOT** allow untrained persons to operate the extractor.

* **DO NOT** operate the extractor when you are tired or under the influence of alcohol, drugs or intoxicating medication.

* **DO NOT** use the extractor where there are flammable liquids, solids or gases such as paint solvents, etc.

* **DO NOT** leave the extractor operating unattended.

✓ When not in use switch the extractor off and disconnect from the power supply.

2. INTRODUCTION

Wall mounted electric fan fitted with heat resistant hosing and exhaust gas analyser port. Ideal for bikes, cars and car derived vans. Requires installation onto workshop wall and ducting to appropriate exhaust. Does not include electrical switch gear. Ideal for smaller garages and workshops where space is limited.

3. SPECIFICATION

Models:.....EFS100F, EFS102, EFS103
Motor0.5hp 230V 50Hz

Hose SizeØ75mm x 5mtr

4. INSTALLATION

- 4.1. **WE RECOMMEND THAT ELECTRICAL INSTALLATION SHOULD ONLY BE CARRIED OUT BY A QUALIFIED ELECTRICIAN.**
Note: This product is designed to be hard wired into a building electrical circuit.
- 4.1.1. The power cable (not supplied) is wired to the unit through the power supply connection box (refer to Fig.2 & Fig.3). Use Figs.1A & B as a guide to wiring the unit.
- 4.1.2. Carefully remove any securing nuts and washers. Position links to suit direction of travel, resecure and attach supply cables.
 * **DO NOT** use the wiring diagram inside the power connection box lid.
- 4.1.3. **Ensure air flow direction is correct before using on a vehicle.**
- 4.2. **WALL MOUNTING.** The exhaust extractor should be mounted in such a position that it will not cause an obstruction or present a hazard in the work area.
- 4.2.1. The exhaust extractor should be fixed to a brick or concrete wall through the wall mounting holes in the extractor main body using fixings that will adequately support the weight of the unit and the hosing. If in any doubt, seek professional advice.
- 4.2.2. Suitable ducting (not supplied) should be used to pass the exhaust gases from the outlet (refer to Fig.2 & Fig.3) to a safe environment. The ducting should be kept as straight and level as is practical to allow unrestricted egress of the exhaust gases.
- 4.2.3. Attach the heat resisting hosing to the inlets (refer to Fig.2 & Fig.3) and to the cones using the clamps supplied.

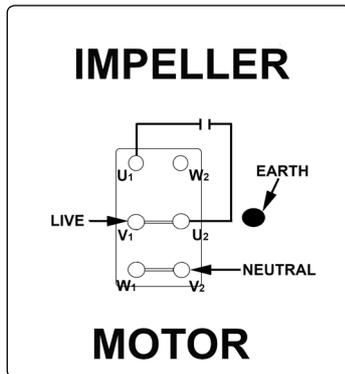


Fig.1A

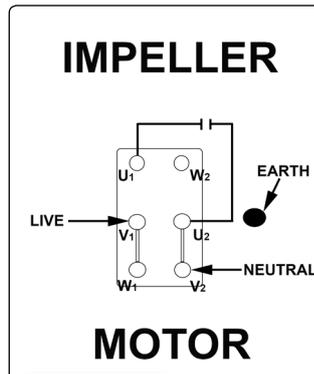
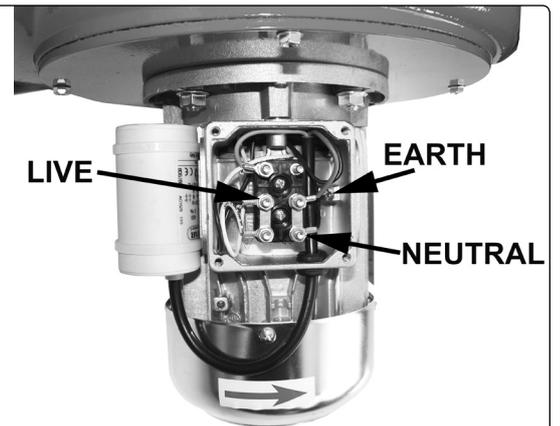


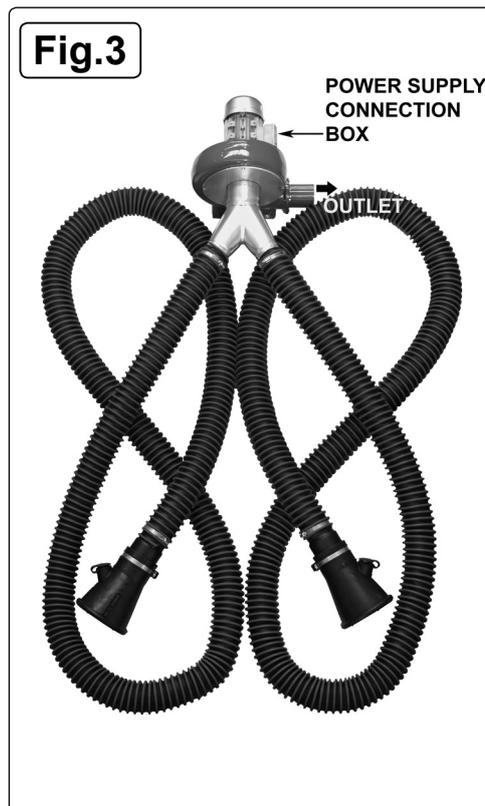
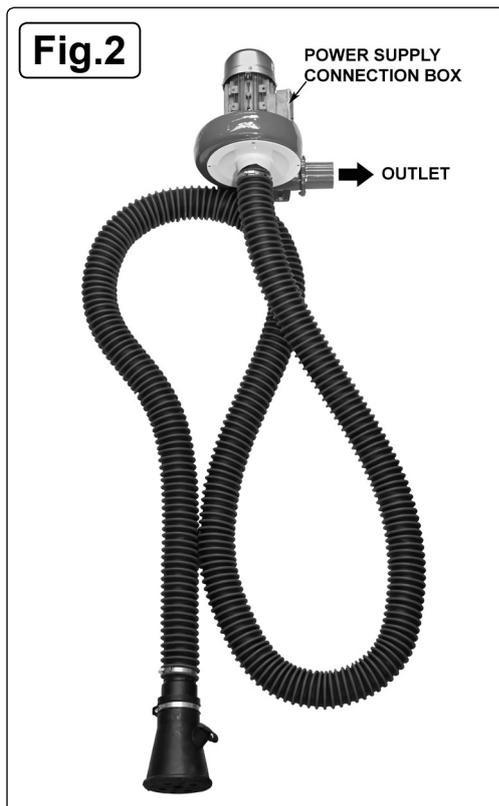
Fig.1B



5. OPERATION

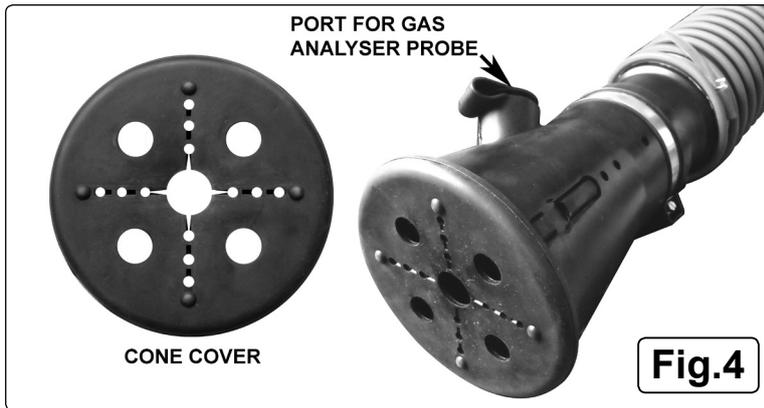
WIRING FOR CLOCKWISE ROTATION

- ❑ **WARNING! Before operating the extractor ensure that you read, understand and apply the safety instructions in Section 1.**
- 5.1. Push the exhaust cone onto the vehicle exhaust pipe. The exhaust cone cover has a series of slots and holes across each axis. Depending on the size of the exhaust pipe it may be necessary to carefully slit the face of the cover with a sharp knife equally along each axis to allow the cover to fit (refer to Fig.4). Alternatively, if the exhaust pipe is a suitable size, the cover can be completely removed.
- 5.2. There is no power switch on the unit itself, it is turned on and off at the power supply or by a switch that may be wired into the circuit. Ensure set-up is complete and the cone is suitably positioned before switching on the exhaust extractor.
- 5.3. There is a port on the side of the cone (refer to Fig.4) which allows the connection of a gas analyser probe if required.
Note: Take care to ensure that there is no possibility of paper, plastic or other foreign bodies being sucked into the extractor cone.
- 5.4. After use, ensure that the cone and hosing are removed from the vehicle exhaust pipe before moving the vehicle.
- 5.5. Store the hosing in such a way that it does not present a trip hazard or a danger in the work area.



6. MAINTENANCE

- ❑ **WARNING!** Isolate the unit from the power supply before servicing or performing any maintenance.
- 6.1. **Maintenance to the exhaust extractor electric motor should only be performed by a qualified electrician.**
- 6.2. Periodically check the hosing and ducting for holes and damage. Replace as necessary.



Parts support is available for this product., please contact: email sales@sealey.co.uk or telephone 01284 757500



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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