



# WELDING/FUME EXTRACTOR

MODEL NO: **SWFE01**

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



Wear a face shield



Wear protective clothing

## 1. SAFETY

### 1.1. ELECTRICAL SAFETY

- WARNING!** It is the user's responsibility to check the following:
- ✓ Check all electrical equipment and appliances to ensure that they are safe before using.
- ✓ Inspect power supply leads, plugs and all electrical connections for wear and damage.
- ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- ✗ **DO NOT** use worn or damaged cables, plugs or connectors.
- ✓ Ensure that any faulty item is repaired or is replaced immediately by a qualified electrician.
- ✓ If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
- ✓ Ensure that repairs are carried out by a qualified electrician.
- ✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.  
Important: Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse.
- ✗ **DO NOT** pull or carry the appliance by the power cable.
- ✗ **DO NOT** pull the plug from the socket by the cable.

### 1.2. GENERAL SAFETY

- CAUTION:** Read the instruction manual before using the machine.
- WARNING!** Operators shall be adequately instructed on the use of these machines.
- WARNING!** This machine is for dry use only.  
**CAUTION:** This machine is for indoor use only.  
**CAUTION:** This machine shall be stored indoors only.
- ✓ This machine is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge.
- ✓ This machine is intended for commercial use, for example in hotels, schools, hospital, factories, shops, offices, and rental business.
- ✓ The appliance shall be disconnected from its power source during service and when replacing parts and, if that the removal of the plug is foreseen, it shall be clearly indicated that the removal of the plug has to be such that an operator can check from any of the points to which he has access that the plug remains removed.
- ✓ Any additional hoses or ducts can add pressure drop and shall be considered by the installation designer or the user.
- WARNING!** Disconnect the extractor from the mains power and ensure the impeller is at a complete standstill before attempting to change accessories, service or perform any maintenance.
- ✓ Maintain the extractor in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use recommended parts only. Non-authorized parts may be dangerous and will invalidate the warranty.
- ✓ Locate the extractor in a suitable working area. Ensure the surface is flat and firm. Keep area clean and tidy and free from unrelated materials, and ensure there is adequate lighting.
- ✓ Keep the extractor clean for best and safest performance and check moving parts alignment regularly.
- ✓ Remove any tools from the extractor and the vicinity before turning it on.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
- ✓ Keep children and unauthorised persons away from the working area.
- ✗ **DO NOT** use the extractor for any purpose other than that for which it is designed. **DO NOT** pick up glass, metal or water.
- ✗ **DO NOT** allow untrained persons to operate the extractor.
- ✗ **DO NOT** get the unit wet or use in damp or wet locations or areas where there is condensation.
- WARNING! DO NOT** use extractor where there are flammable liquids, solids or gases such as petrol, paint solvents, waste rags etc.
- ✗ **DO NOT** operate the extractor if any parts are missing or damaged as this may cause failure and/or personal injury.
- ✗ **DO NOT** operate the extractor when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use switch the extractor off and isolate from the power supply.

## 2. INTRODUCTION

Adjustable 1.5m extraction hose can be altered easily and hold its own position. 3 Stage filtering process up to 95% effective removing toxic fumes from the working environment. Mobile and convenient to move around the workshop and garage. Adjustable Fan speed making it suitable for wide range of welding, cutting and soldering tasks. Max flow rate: 750mtr<sup>3</sup>/hr.

### 3. SPECIFICATION

Model No: .....SWFE01  
 Dimensions (excluding suction arm): .....560 x 430 x 430mm  
 Fan Type: ..... Brushless DC Fan  
 Filter Medium: .....  
 Type of distribution system:..... TN  
 Filter Medium: .....Metal, Polyester fibre filter cotton, PP+PET  
 Filtration Area:.....290 x 278mm  
 Filtration Efficiency:.....95%  
 Fuse Rating: .....10%  
 Motor Power:.....350w  
 Weight:.....30kg  
 Noise Rating: .....78dB(A)  
 Number of Filter Cartridges:.....3  
 Power Supply:.....230V  
 Phase:..... Single Phase  
 Suction Arm: ..... 1.5m  
 Sound Pressure: .....76dB (C)

Short circuit current rating for each incoming power supply:

No filter/220V/50Hz Input: Incoming current: 3.8A Max operation current: 2.8A

With filter/220V/50Hz Input: Input current: 3.8A Operation current: 1.2A

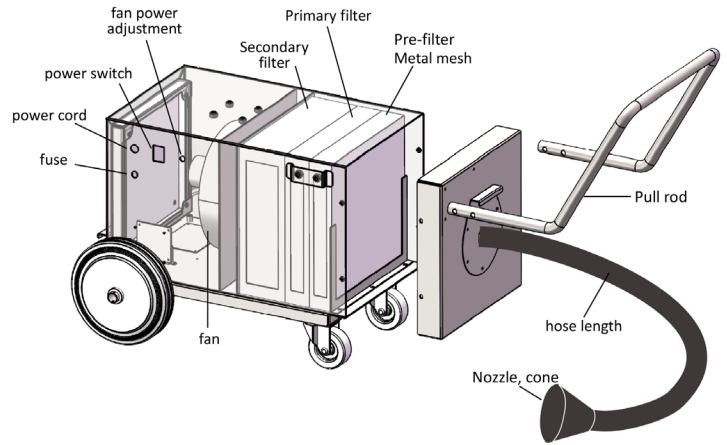
Full load current for each incoming supply:

No filter/220V/50Hz Input: Input current: 3.8A Max operation current: 2.8A

With filter/220V/50Hz Input: Input current: 3.8A, Operation current: 1.2A

Temperature and atmospheric conditions for Operation and Storage: +5°C to +40°C

This extractor can be used for welding fumes containing CMR (carcinogenic, mutagenic, reprotoxic) substances, with more than 5 % (Cr, Ni).



### 4. ASSEMBLY

Numbers refer to attached Part List

- 4.1. Fit wheels (20) secure with split pin (13) and castors (19).
- 4.2. Fit extraction hose assembly (22) with six M5 x 12mm screws.
- 4.3. Fit handle (6) using four M8 x 30mm screws.

### 5. CONTROLS

- A: Mains lead      C: On/Off switch  
 B: Fuse            D: Fan speed

### 6. OPERATION

- 6.1. All 3 filters must be in place during operation.
- 6.2. Connect to mains supply. Press On/Off switch (C).
- 6.3. Position extraction hose.
- 6.4. Set fan speed as required (D).

### 7. MAINTENANCE

- 7.1. Restrict use and maintenance of this product to trained personnel only.
- 7.2. Regular removal of smoke and dust can extend the service life of the filter.
- 7.3. Electrical and mechanical maintenance intervals are determined by the working environment and maintenance time of the equipment. The maintenance interval is usually three months.
- 7.4. If the equipment operates for more than 8 hours per day, the maintenance interval should be shortened as required.
- 7.5. Regular maintenance can ensure good equipment performance.
- 7.6. The metal mesh of the metal filter can be cleaned, the primary filter can be replaced with a separate filter cotton, and the intermediate filter needs to be replaced as a whole.

#### 7.7. STORAGE

- 7.7.1. Extractor must be stored in a dry, childfree location.

### 8. TROUBLESHOOTING

	Fault	Reason	Solution
1	Small air volume	1.Fan speed too low 2.The hose is not sealed or dirty	1.Check fan speed 2.Check whether there is leakage at the connection and check the hose.
2	Fan fails to start	1.No mains power 2.Wiring error 3. Motor circuit breaker trips after reaching set current	1. Check power supply 2. Check the wiring for loose connection/short circuit 3. Close the circuit breaker again
3	Loud fan noise	1. Fan reversing 2. Dust deposit on fan 3. Loose fan screws	1.Exchange any two-phase sequence of power supply 2.Clean the fan 3.Tighten screws
4	Non suction dust/ smoke	1.Power failure	1.Confirm whether there is power failure





#### 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.



#### 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.

**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.



REGISTER YOUR PURCHASE HERE

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