



INSTRUCTIONS FOR: DUST & CHIP EXTRACTOR Model: **SM46**

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 AND CAUTIONS. USE THIS PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

The use of symbols in this document is to attract your attention to possible danger. The symbols and warnings themselves do not eliminate any danger, nor are they substitutes for proper accident prevention measures.

1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY. ⚠ WARNING! It is the user's responsibility to read, understand and comply with the following: You must check all electrical equipment and appliances to ensure they are safe before using. **You must** inspect power supply leads, plugs and all electrical connections for wear and damage. **You must** ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD together with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a professional electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. **You must** also read and understand the following instructions concerning electrical safety.

1.1.1. The **Electricity At Work Act 1989** requires all portable electrical appliances, if used on a business premises, to be tested by a qualified Electrician, using a Portable Appliance Tester (PAT), at least once a year by .

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

1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.1. & 1.1.2. above and use a Portable Appliance Tester (PAT).

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

1.1.5. Regularly inspect power supply, leads, plugs and all electrical connections for wear and damage, especially power connections, to ensure that none are loose.

1.1.6. **Important:** Ensure the voltage marked on the product is the same as the electrical power supply to be used, and check that plugs are fitted with the correct capacity fuse. A 13 amp plug may require a fuse smaller than 13 amps for certain products (*subject to 1.1.10. below*), see fuse rating at right.

1.1.7. DO NOT pull or carry the powered appliance by its power supply lead. Products such as welders must not be pulled or carried by their output cables.

1.1.8. DO NOT pull power plugs from sockets by the power cable.

1.1.9. DO NOT use worn or damage leads, plugs or connections. Immediately replace or have repaired by a qualified Electrician. A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (discard old plug safely). (UK only - see diagram at right). **Ensure the unit is correctly earthed via a three-pin plug.**

a) **Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.**

b) **Connect the BROWN live wire to live terminal 'L'.**

c) **Connect the BLUE neutral wire to the neutral terminal 'N'.**

After wiring, check there are no bare wires, that all wires have been correctly connected and that the cable restraint is tight.

Double insulated products are often fitted with live (BROWN) and neutral (BLUE) wires only. Double insulated products are always marked with this symbol . **To re-wire, connect the brown and blue wires as indicated above. DO NOT connect the brown or blue to the earth terminal.**

1.1.10. Some products require more than a 13 amp electrical supply. In such a case, NO plug will be fitted. **You must** contact a qualified Electrician to ensure a 30 amp fused supply is available. We recommend that you discuss the installation of a industrial round pin plug and socket with your Electrician.

1.1.11. **Cable extension reels.** When a cable extension reel is used it should be fully unwound before connection. A cable reel with an RCD fitted is recommended since any product which is plugged into the cable reel will be protected. The section of the cable on the cable reel is important. We recommend that at least 1.5mm² section cable but to be absolutely sure that the capacity of the cable reel is suitable for this product and for others that may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2 GENERAL SAFETY

⚠ **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 machine and it's vicinity before turning it on.

⚠ **WARNING!** Wear approved safety eye protection, ear defenders, and gauntlets, and, if dust is generated, respiratory protection.

✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.

✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.

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

x DO NOT use the extractor for any purpose other than that for which it was designed.

x DO NOT allow untrained persons to operate the extractor.

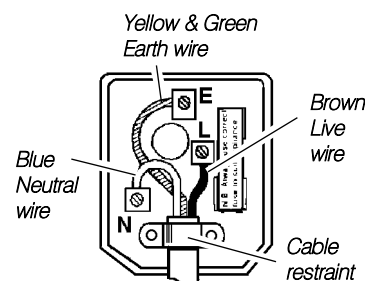
x DO NOT get the unit wet or use in damp or wet locations or areas where there is condensation.

⚠ **WARNING!** DO NOT use extractor where there are flammable liquids, solids or gases such as petrol, paint solvents, waste wiping rags etc.

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

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

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



FUSE RATING

THIS PRODUCT MUST BE FITTED WITH A

13 Amp FUSE

2. APPLICATION & SPECIFICATIONS

The SM46 is designed to extract dust, saw dust and other fine debris from wood machining. It **should not** be used to extract metallic debris.

Specification:

Capacity	.600 cfm
Impeller diameter	.225mm
Intake diameter	.100mm
Flexible hose diameter	.100mm
Flexible hose maximum length	2.5m
Motor	.1hp - 230V
Average noise level	.73 dB(A)/77 dB(C)
Weight	.36kg

3. CONTENTS & ASSEMBLY

Unpack the extractor components and check that all are present and undamaged. In case of shortage or damage please contact the supplier.

Description:

- | | |
|------------------------------|--|
| 1. Collector body with motor | 7. Filter bag |
| 2. Base plate | 8. Collector bag |
| 3. Supports (2 off) | 9. Upper bag support |
| 4. Handle | 10. Extractor hose |
| 5. Bag clamps (2 off) | 11. Hose clips (2 off) |
| 6. Castors (4 off) | 12. Screws, nuts, washers and wrench (1 bag) |

Note: Numbers in brackets are the item numbers on the parts diagram and in the parts list

- 3.1. Attach the four castors (2) to the underside of the base (3) using screws (1). Support base (3) on battens, or similar, raising castors clear of floor to give stability for the following assembly tasks.
- 3.2. With screws (6) attach supports (4 & 5) to base plate.
- 3.3. Lower collector body assembly, with motor uppermost, onto supports (4 & 5) so that collector body brackets slide into supports. Fix with screws (7) through support (4 & 5) side flanges, as shown in parts diagram.
- 3.4. Fit handle (10), with grip section uppermost, to the top of the supports (4 & 5) using screws (9).
- 3.5. Screw lock nut (27) onto threaded end of upper bag support (26) followed by washer (28) and then screw support into threaded hole in top of collector body assembly. Position arm of support (26) over centre of bag flange and tighten lock nut (27).
- 3.6. Thread clamps (25) inside hems of filter bags (24 & 29).
- 3.7. Fit filter bag (24) over upper bag flange and secure with clamp (25). Hook loop on end of bag (24) over bag support arm (26).
- 3.8. Fit second bag (29) to lower bag flange.

4. OPERATING INSTRUCTIONS

WARNING! Before operating the extractor ensure that you have read, understood and apply the safety instructions in Section 1.

- 4.1. Confirm that supply voltage matches the voltage shown on the motor data plate and that the motor switch (22) is 'Off'.
 - 4.2. Using clips provided, connect extractor hose to the inlet on the collector (directly below motor) and attach other end to extractor point on equipment.
- WARNING! DO NOT operate extractor without the hose attached.**
- 4.3. Plug into mains supply and press motor switch 'On'.
 - 4.4. Ensure that the lower bag is emptied of dust and chips on a regular basis and is not allowed to become full.

DUST & CHIP EXTRACTOR

Model SM46

73/23/EEC Low Voltage Directive (S.I. 1994/3260)
89/336/EEC EMC Directive (S.I. 1992/2372 & Amendments).
98/37/EC Machinery Directive
(Safety) Regulations 1992 (SI 1992 No. 3073) as amended
93/68/EEC CE Marking Directive
EN 60204-1 1998 Safety of Machinery

Declaration of Conformity We, the sole importer into the UK, declare that the product listed here is in conformity with the following EEC standards and directives



Signed by Mark Sweetman

2nd August 1999

The construction file for this product is held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd.

For Jack Sealey Ltd. Sole importer into the UK of Sealey Quality Machinery.

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 equipment. **WARRANTY:** Guarantee is 12 months from purchase date, proof of which will be required for any claim. **INFORMATION:** For a copy of our catalogue call us on 01284 757525 and leave your full name, address and postcode.



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