



Ø50MM MINI AIR SANDER

MODEL NO: SA1003

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 instructions



Wear eye protection



Wear protective gloves



Wear ear protection



Wear a mask

1. SAFETY

1.1. OPERATIONAL SAFETY

- WARNING!** Ensure Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect from air supply before changing accessories or servicing.
- ✓ Maintain the sander 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.
- ✓ Use in a suitable clean and tidy work area and ensure there is adequate lighting.
- ✓ Before each use check abrasive pads for condition. If worn or damaged replace immediately.
- ✓ Ensure the abrasive pad rating is the same as, or, greater than the RPM rating of the sander.
- ✓ Ensure there are no flammable or combustible materials near the work area.
- WARNING!** Always wear approved eye or face and hand protection when operating the sander.
- ✓ Use face, dust, or respiratory protection in accordance with COSHH regulations.
- ✓ Depending on the task, sander noise level may exceed 85dB, in which case wear safety ear defenders.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings, other loose jewellery and contain and/or tie back 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 work area.
- ✓ Check moving parts alignment on a regular basis.
- ✓ Ensure workpiece is secure before operating the sander. Never hold a workpiece by hand.
- ✓ Check the workpiece to ensure there are no protruding screws, bolts, nuts, nails, stones, etc.
- ✓ Avoid unintentional starting.
- WARNING!** Ensure correct air pressure is maintained and not exceeded. Refer to specification section.
- ✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure all connections are secure.
- ✓ Prolonged exposure to vibration from this sander poses a health risk. It is the owner's responsibility to correctly assess the potential hazard and issue guidelines for safe periods of use and offer suitable protective equipment.
- ✗ **DO NOT** use the sander for a task it is not designed to perform.
- ✗ **DO NOT** operate sander if any parts are damaged or missing as this may cause failure and/or personal injury.
- WARNING! DO NOT** sand any materials containing asbestos.
- ✗ **DO NOT** carry the sander by the hose, or yank the hose from the air supply.
- ✗ **DO NOT** force, or apply heavy pressure to the sander, let the sander do the work.
- ✗ **DO NOT** place air line attachments close to your face and **DO NOT** point at other persons or animals.
- ✗ **DO NOT** operate sander when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- ✗ **DO NOT** use sander where there are flammable liquids, solids or gases such as paint solvents and including waste wiping or cleaning rags etc.
- ✗ **DO NOT** carry the sander with your finger on the power lever.
- ✗ **DO NOT** direct air from the air hose at yourself or others.
- ✓ When not in use disconnect from air supply and store in a safe, dry, childproof location.
- WARNING! – RISK OF HAND ARM VIBRATION INJURY**
This tool may cause Hand Arm Vibration Syndrome if its use is not managed adequately.
This tool is subject to the vibration testing section of the Machinery Directive 2006/42/EC.
This tool is to be operated in accordance with these instructions.
Measured vibration emission value (a): 0.236 m/s²
Uncertainty value (k): 0.518 m/s²
Please note that the application of the tool to a sole specialist task may produce a different average vibration emission. We recommend that a specific evaluation of the vibration emission is conducted prior to commencing with a specialist task.
A health and safety assessment by the user or employer will need to be carried out to determine the suitable duration of use for each tool.
NB: Stated Vibration Emission values are type-test values and are intended to be typical.
Whilst in use, the actual value will vary considerably from and depend on many factor, such as the operator, the task and the inserted tool or consumable.
NB: ensure that the length of leader hoses is sufficient to allow unrestricted use, as this also helps to reduce vibration.
The state of maintenance of the tool itself is also an important factor, a poorly maintained tool will also increase the risk of Hand Arm Vibration Syndrome.

1.2. HEALTH SURVEILLANCE

We recommend a programme of health surveillance to detect early symptoms of vibration injury so that management procedures can be modified accordingly.

1.3. PERSONAL PROTECTIVE EQUIPMENT

We are not aware of any personal protective equipment (PPE) that provides protection against vibration injury that may result from the uncontrolled use of this tool. We recommend a sufficient supply of clothing (including gloves) to enable the operator to remain warm and dry and maintain good blood circulation in fingers etc. Please note that the most effective protection is prevention, please refer to the Correct Use and Maintenance section in these instructions. Guidance relating to the management of hand arm vibration can be found on the HSC website www.hse.gov.uk - Hand-Arm Vibration at Work.



1.4. LEAD PAINT WARNING!

Paint once contained lead as a traditional ingredient. Contact with the dust from the removal of such paint is toxic and must therefore be avoided. The following action must be taken before using the grinder on a surface that you suspect may contain lead paint.

1. User must determine potential hazard relating to age of paint to be removed (modern paints do not have lead content).
2. **DANGER!** Keep all people and pets away from the working area. The following are particularly vulnerable to the effects of lead paint dust: Pregnant women, babies and children.
3. We recommend personal protection by using the following safety items:
 - a) Paint Spray Respirator (Our ref SSP1605)
 - b) PE Coated Hooded Coverall (Our ref SSP267).
 - c) Latex Gloves (Our ref SSP55L).
4. Take adequate measures to contain the paint dust, flakes and scrapings.
5. Continue to wear safety equipment as in (3) above and thoroughly clean all areas when work is complete. Ensure that paint waste is disposed of in sealed bags or containers according to local regulations.

2. INTRODUCTION

Contoured composite handle reduces effects of chill and vibration. Mini design for working in confined areas, ideal for working around engines where space is limited. Lightweight and versatile sanding tool suitable for use with discs and pads with industry standard fitting. Fitted with safety release trigger control and variable speed adjustment. Features rear exhaust with baffle for reduced noise level and safety throttle lever to stop accidental operation. Suitable for professional workshop use. Includes quick change backing pad and wrenches.

3. SPECIFICATION

Model No:..... **SA1003**
Air Consumption: 12cfm
Free Speed: 16500rpm
Inlet Size: 1/4" BSP
Noise Power/Pressure: 97dB/86dB
Operating Pressure: 80psi
Pad Size: Ø50mm
Thread Size: M6 x 1mm
Vibration/Uncertainty: 0.236/0.518m/s²



4. PREPARING FOR USE

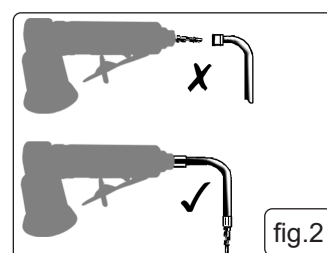
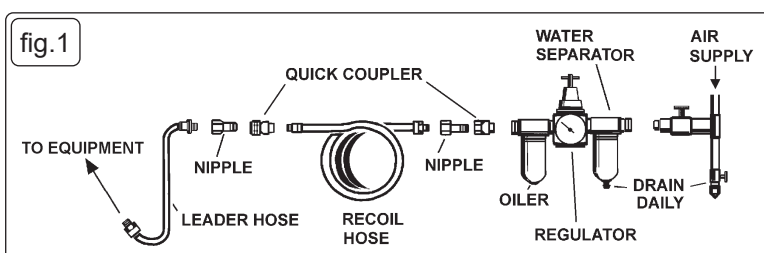
4.1. AIR SUPPLY

- 4.1.1. Ensure the sander air valve (or throttle) is in the "Off" position before connecting to the air supply.
- 4.1.2. You will require an air pressure between 70-90psi, and an air flow according to the specification above.
 - WARNING!** Ensure the air supply is clean and does not exceed 90psi while operating the sander. Too high an air pressure and/or unclean air will shorten the product life due to excessive wear, and may be dangerous, causing damage and/or personal injury.
- 4.1.3. Drain the air tank daily. Water in the air line will damage the sander and will invalidate your warranty.
- 4.1.4. Clean air inlet filter weekly. Recommended hook-up procedure is shown in fig. 2.
- 4.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.
- 4.1.6. Keep hose away from heat, oil and sharp edges. Check hoses for wear and make certain that all connections are secure.

4.2. COUPLINGS

Vibration may cause failure if a quick change coupling is connected directly to the air sander. To overcome this, connect a leader hose to the sander. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See figs. 1 & 2.

5. OPERATION



- WARNING!** Ensure you read, understand and apply the safety instructions in Section 1 before use.
- WARNING!** Disconnect sander from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.

5.1. ASSEMBLY

- 5.1.1. Connect air supply to sander, press the control valve lever and check that the sander is working correctly.
- 5.1.2. The air flow may be regulated by adjusting the regulator valve in the back of the handle.

5.2. OPERATING

- 5.2.1. Screw the sanding disk carrier onto the shaft and tighten with the spanners provided.
- 5.2.2. Connect a mini sanding disc by screwing it into the centre of the carrier.
- 5.2.3. Connect the tool to the air supply, section 4.
- 5.2.4. To operate the sander, squeeze the trigger.

NOTE: The air regulator/speed control may be used as a means of throttle control.

- ✗ **DO NOT** go from coarse to fine in one step as it may be difficult to remove swirl marks left by the coarse grit.
- ✗ **DO NOT** apply excessive pressure, let the sander do the work for you. Start the sander and bring the sanding disc to the work surface evenly and slowly. Move the sander back and forth in overlapping areas.
- ✓ Remove the sanding disc from the work surface before stopping the sander. Regularly check the sanding disc for wear, always change if cracked or damaged.
- ✗ **DO NOT** allow sander to run in "idle rotation" for an extended period of time, as this will reduce bearing life.

6. MAINTENANCE

- **WARNING!** Disconnect sander from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- 6.1. If the air supply does not have an oiler lubricate the air sander daily with a few drops of good grade air tool oil such as Sealey ATO/1000, dripped into the air inlet before use.
- 6.2. Clean the sander after use and change pads when required.
- 6.3. Loss of power or erratic action may be due to the following:
 - a) Excessive drain on the air line. Moisture or restriction in the air pipe. Incorrect size or type of hose connectors. To remedy check the air supply and follow instructions in Section 4.
 - b) Grit or gum deposits in the sander may also reduce performance. If your model has an air strainer (located in the area of the air inlet), remove the strainer and clean it. Flush the sander out with gum solvent oil or an equal mixture of SAE No 10 oil and kerosene. Allow to dry before use. If problems continue, contact your local Sealey service agent.
- 6.4. For a full service contact your local Sealey service agent.



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.



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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 36 months from purchase date, proof of which is required for any claim.

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