SEALEY Power TOOLS

INSTRUCTIONS FOR:

AIR PALM SANDER 75mm

MODEL No: **SA802.V2**

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.**

1. SAFETY INSTRUCTIONS

❒ **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. Non-authorised parts may be dangerous and will invalidate the warranty.*
✓ Use in suitable clean and tidy working area, free from unrelated materials and ensure there is adequate lighting.
✓ Before each use check abrasive discs and backing pads for condition. If worn or damaged replace immediately.
✓ 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.
✓ Wear appropriate protective clothing and keep hands and body clear of working parts.
✓ 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.
✓ 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. Recommended pressure 70-90psi.
✓ Keep air hose away from heat, oil and sharp edges. Check air hose for wear before each use and ensure that all connections are secure.
✓ Prolonged exposure to vibration from this sander poses a health risk. It is the operator'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 attachments close to your face and do not point at other persons or animals.
✗ **DO NOT** operate sander when you are tired, 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 control 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.

1.2. 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 sander 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 persons and pets away from the working area. The following persons are particularly vulnerable to the effects of lead paint dust: *Expectant women, babies and children.*
3. We recommend personal protection by using the following safety items:
   a) Paint Spray Respirator (Our ref SSP1699)
   b) PE Coated Hooded Coverall (Our ref SSP267). **c**) Latex Gloves (Our ref SSP24).
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 task is complete. Ensure paint waste is disposed of in sealed bags or containers according to local regulations.

2. INTRODUCTION & SPECIFICATIONS

Polycarbonate outer housing with soft rubber handgrip reducing hand-chill and vibration with an overall weight of 0.54kg. Features adjustable air regulator for additional control and exhaust muffler to reduce noise emission. Supplied with hook-and-loop pad.

Pad size:. 75mm	Air Inlet: . . . . . 1/4”BSP
Orbital stroke:. 2.5mm	Sound Power:. 100.3dB.A
Thread size: . . . . . .5/16” UNF	Sound Pressure:. 89.3dB.A
Free Speed :. 13000rpm	Weight: 0.54kg
Operating Pressure: 90psi	Vibration Value: 5.24m/s²
Air Consumption: 4cfm	Uncertainty: 1.01m/s²

3. PREPARING SANDER FOR USE

3.1 Air Supply

3.1.1 Ensure the sander air valve (or throttle) is in the "off" position before connecting to the air supply.
3.1.2 You will require an air pressure between 70-90psi, and an air flow according to the specification above.
3.1.3 ❒ **WARNING!** Ensure the air supply is clean and does not exceed 90 psi while operating the sander. Too high an air pressure and unclean air will shorten the product life due to excessive wear, and may be dangerous causing damage and/or personal injury.
3.1.4 Drain the air tank daily. Water in the air line will damage the sander **and will invalidate your warranty.**
3.1.5 Clean air inlet filter weekly. Recommended hook-up procedure is shown in fig 1.
3.1.6 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.
3.1.7 Keep hose away from heat, oil and sharp edges. Check hoses for wear, and make certain that all connections are secure.

3.2 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.

fig 1

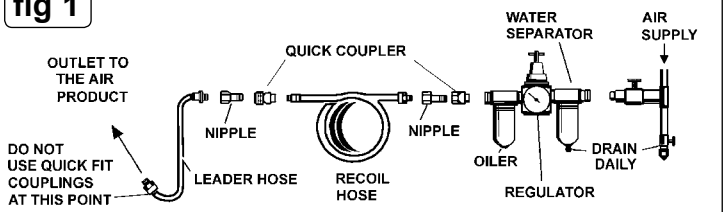
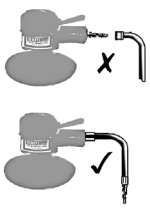


fig 2



4. OPERATING INSTRUCTIONS

❒ **WARNING! Ensure you read, understand and apply safety instructions before use.**

4.1 Assembly

4.1.1 Apply an appropriate sanding disc to the backing pad. **DO NOT** use cloth backed sanding pads.

4.1.2 Connect air supply to sander and press the throttle lever and check that the sander is working correctly.

4.1.3 The air flow may be regulated by turning the control disc under the throttle lever.

4.2 Operating

The sander is designed to provide a combined “rotary” and “random orbit” action.

Always use sanding disc with grit appropriate for the job. Work progressively from coarse grades to finer grades. **DO NOT** go from coarse to fine in one step as it may be difficult to remove swirl marks left by the coarser grit. **DO NOT** apply excessive pressure, let the sander do the work for you. Start the sander and bring the sanding disc to the 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 pad for wear, always change a cracked or damaged pad.

DO NOT allow sander to run in “idle rotation” for an extended period of time as this will shorten life of the bearings.

5. MAINTENANCE

❒ **WARNING!** Disconnect sander from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts.

Use genuine parts only. Non-authorised parts may be dangerous and will invalidate the warranty.

5.1 Lubricate the air sander daily with a few drops of good grade air sander oil such as Sealey ATO/500 or ATO1000, dripped into the air inlet before use.

5.2 Clean the sander after use and change pads when required.

5.3 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 chapter 3.

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 you continue to experience problems, contact your local Sealey service agent.

5.4 For a full service contact your local Sealey service agent.

5.5 When not in use, disconnect from air supply, clean sander and store in a safe, dry, childproof location.

Environmental 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.

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 will be required for any claim.
INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

Sole UK Distributor, Sealey Group,
Kempson Way, Suffolk Business Park,
Bury St. Edmunds, Suffolk,
IP32 7AR

01284 757500 www.sealey.co.uk
01284 703534 sales@sealey.co.uk

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 to be operated in accordance with these instructions.

Measured vibration emission value (a): 5.24m/s²

Uncertainty value (k):. 1.01m/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 factors.

Such factors include; 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.

PREPARING FOR USE.

Air Supply.

WARNING!

Ensure the air supply is clean and does not exceed 90psi while operating the tool.

Too high an air pressure and unclean air will shorten the product life due to excessive wear and may cause damage and/or personal injury.

Ensure that the tool air valve (or trigger) is in the “off” position before connecting to the air supply.

Monitor the compressor daily to ensure that moisture is not present in the compressed air. Water in the air line will damage the tool.

Line pressure should be increased to compensate for unusually long air hoses (over 8metres).

The minimum hose diameter should be ¼” internal diameter. Fittings must have compatible inside dimensions.

Keep hoses away from heat, oil and sharp edges. Check hoses for wear and ensure that all connections are secure.

Couplings.

Vibration may cause failure if a quick change coupling is connected directly to the tool.

To overcome this, connect a leader hose to the tool (Sealey ref: AH2R or AH2R/38).

A quick change coupling may then be used to connect the leader hose to the air line recoil hose.

CORRECT USE.

Vibration emission is closely linked to the operating pressure in the air supply. The user should ensure that the pressure is set in accordance with our recommendations to assure optimum efficiency and minimise vibration exposure.

- Ensure that the tool is correctly aligned to the work. Misalignment increases the risk of vibration injury.
- Ensure that consumables are selected, maintained and replaced in accordance with Sealey Instructions.
- Sleeve fittings must be used where possible.
- Always support the tool in a stand or on a balancer or a tension device where possible.
- Ensure that the operator is sufficiently experienced in order to be able to handle and operate the tool correctly.
- Ensure that the tool is held with a light but secure grip. Avoid excessive grip force as this will increase the risk of vibration injury.

MAINTENANCE.

If the air system does not have an oiler, lubricate the air tool daily with a few drops of Sealey air tool oil dripped into the air inlet.

Clean the tool after use.

DO NOT use worn or damaged grinding discs (if applicable).

Loss of power or erratic action may be due to the following:

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 the PREPARING FOR USE section.

Grit, residual deposits (gum) in the tool may also reduce performance.

Remove the strainer. Clean the strainer and flush the tool out with gum solvent oil or an equal mixture of SAE No: 10 oil and paraffin.

Allow the tool and strainer to dry then lubricate before use.

For a full service, contact your local Sealey service agent.

When not in use, disconnect the tool from the air supply, clean the tool and store the tool in a safe, childproof, location.

Health surveillance.

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

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.