



# AIR SANDER Ø150MM RANDOM ORBITAL

MODEL NO: SA77.V5

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 protective gloves



Wear eye protection



Wear face mask



Wear ear protection

## 1. 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.
- WARNING!** Always wear approved eye or face and hand protection when operating the sander.
- WARNING!** Ensure correct air pressure is maintained and not exceeded. Recommended pressure 70-90psi.
- WARNING! DO NOT** sand any materials containing asbestos.
- 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 the backing 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.
- 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.
- 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.
- 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 is flammable liquids, solids or gases such as paint solvents, 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.

### 1.1. 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 SSP266).
    - 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

Lightweight, balanced aluminium body with double bearing counter balance assembly and spindle lock device for easy pad removal. Housing fitted with composite cap and internal baffle for quiet operation. Equipped with airflow control valve. Supplied with Ø150mm self-adhesive backing pad.

## 3. SPECIFICATION

Pad Size $\varnothing$ :	Ø150mm
Orbit Size $\varnothing$ :	Ø4.2mm
Thread Size:	5/16" UNF
Free Speed:	10000rpm
Operating Pressure:	90psi
Air Consumption:	4cfm
Air Inlet:	1/4" BSP
Noise Power:	98dB(A)
Noise Pressure:	87dB(A)
Measured Vibration Value (a):	2.0m/s <sup>2</sup>
Uncertainty Value (k):	1.5m/s <sup>2</sup>

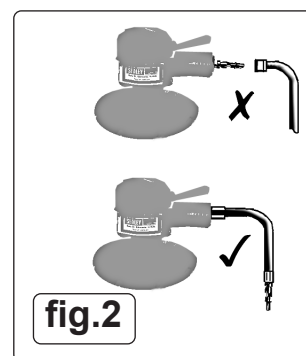
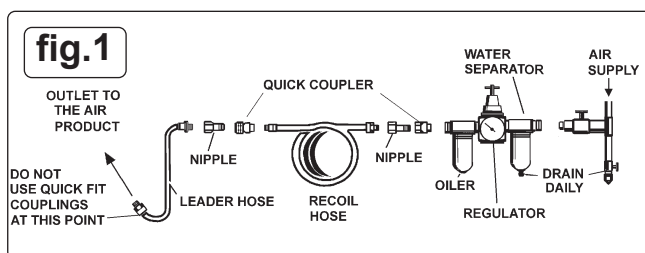
## 4. PREPARATION

### 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.
- 4.1.3. 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.
- 4.1.4. Drain the air tank daily. Water in the air line will damage the sander and will invalidate your warranty.
- 4.1.5. Clean air inlet filter weekly. Recommended hook-up procedure is shown in fig.2.
- 4.1.6. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres).
- 4.1.7. The minimum hose diameter should be 1/4" I.D. and fittings must have the same inside dimensions.
- 4.1.8. 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 fig.2 & fig.3.



## 5. OPERATION

- ❑ **WARNING!** Ensure that you read, understand and apply the safety instructions before use.

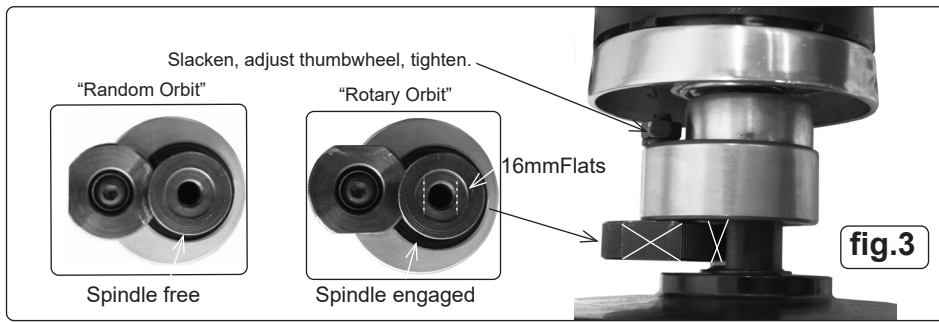
### 5.1. ASSEMBLY

- 5.1.1. Apply appropriate sanding disc to the backing pad. Use only pads with speed ratings equal to or higher than the speed rating of the sander. **DO NOT** use cloth backed sanding pads.
- 5.1.2. Connect air supply to sander and press the control valve lever and check that the sander is working correctly.
- 5.1.3. The air flow may be regulated by turning the knurled throttle knob on the side of the handle.

### 5.2. OPERATING

The sander is designed to provide a "rotary" or "random orbit" action, see fig.3 for method. 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 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 "idle" for an extended period of time as this will shorten 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. Non-authorized parts may be dangerous and will invalidate the warranty.
- 6.1. 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.
- 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 you continue to experience problems, contact your local Sealey stockist.
- 6.4. To remove backing pad disc, use 16mm spanner to hold spindle and rotate pad anticlockwise.
- 6.5. For a full service contact your local Sealey service agent.
- 6.6. When not in use, disconnect from air supply, clean sander 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.

This tool has been tested in accordance with: EN ISO 28927-2:2009 & BS EN ISO 15744:2008.  
 Declaration and verification of Vibration Emission figures are in accordance with EN 12096:1997  
 Measured vibration emission value (a): 2.0m/s<sup>2</sup>  
 Uncertainty value(k): 1.5m/s<sup>2</sup>

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.

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](http://www.hse.gov.uk) - Hand-Arm Vibration at Work.



### **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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on [technical@sealey.co.uk](mailto:technical@sealey.co.uk) or 01284 757505.

**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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