



Ø150MM DUST-FREE AIR RANDOM ORBITAL SANDER & Ø150MM SELF-CONTAINED DUST-FREE AIR RANDOM ORBITAL SANDER

MODEL NO: **MAT150AS & MAT150SC**

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 safety footwear



Wear protective clothing



Wear ear protection



Wear a mask

1. SAFETY

- WARNING!** Ensure that Health & Safety, local authority, and general workshop practice regulations are adhered to when using this equipment.
- WARNING!** Disconnect from air supply and dust-free system before changing accessories, servicing or maintenance.
- ✓ Maintain the sander in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Use the sander in a suitable work area. Keep area clean, tidy and free from unrelated materials. Ensure that there is adequate lighting.
- ✓ Before each use check abrasive pad for condition. If worn or damaged replace immediately.
- ✓ Ensure that there are no flammable or combustible materials near the work area.
- WARNING!** Always wear approved eye or face protection when operating the sander.
- ✓ If dust is generated, 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 and loose jewellery. 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 that 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 that the workpiece is correctly secured before operating the sander. Never hold a workpiece by hand.
- ✓ Check the workpiece to ensure that there are no protruding nails, screws, stones, etc.
- ✓ Avoid unintentional starting.
- WARNING!** Ensure that the correct air pressure is maintained and not exceeded.
- ✓ 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 these tools poses a health risk. It is the owner's responsibility to correctly assess the potential hazard, 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** cut, grind, saw or sand any materials containing asbestos.
- * **DO NOT** carry the sander by the hose, or yank the hose from the air supply.
- * **DO NOT** get the sander wet or use in damp or wet locations.
- * **DO NOT** use the sander with water. These models are dry sanders only.
- * **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** oil the sander, or connect to an air supply which incorporates an oiler. Oiling will result in damage to teflon surfaces within the sander.
- * **DO NOT** leave the sander operating unattended.
- * **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 dust-free system, and store in a safe, dry, childproof location.

LEAD PAINT WARNING!

Paint once contained lead as a traditional ingredient. Contact with the toxic dust from the removal of such paint 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 work 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 Respirators (Our ref SSP1605)
 - b) PE Coated Hooded Coverall (Our ref SSP267-L or SSP267-XL).
 - c) Latex Gloves (Our ref SSP55L or SSP55XL).
4. Take adequate measures to contain the paint dust, flakes and scrapings.
5. Continue to wear safety equipment as in (3) and thoroughly clean all areas when task is complete.
6. Seal paint waste in bags or containers for disposal according to local regulations.

2. INTRODUCTION

Quality components and precision assembly techniques prolong the tool's life and give a smooth, low vibration performance. Internal motor features spring loaded vanes allowing the tool to run more efficiently using less air. High quality dual action sander designed for the professional bodyshop and garage. **MAT150SC** includes a self-contained unit with integral dust collection system, which means no additional vacuum devices are required. Both models supplied with Ø150mm hook-and-loop dust-free pad.

3. SPECIFICATION

Model No:.....	MAT150AS	.....	MAT150SC
Air Consumption:.....	7cfm	.....	7cfm
Free Speed:.....	3500-10000rpm	.....	3500-10000rpm
Inlet Size:.....	1/4"BSP	.....	1/4"BSP
Noise Power/Pressure:.....	104/93dB(A)	.....	104/93dB(A)
Operating Pressure:.....	90psi	.....	90psi
Orbit Size:.....	Ø10mm	.....	Ø10mm
Pad Size:.....	Ø150mm	.....	Ø150mm
Thread Size:.....	5/16"UNF	.....	5/16"UNF
Vacuum Outlet:.....	Ø28mm	.....	Ø28mm
Vibration/Uncertainty:.....	3.95/1.975m/s ²	.....	2.41/1.2m/s ²

4. PREPARING FOR USE

4.1. AIR SUPPLY

4.1.1. Ensure the air valve (or throttle) is in the "off" position before connecting to the air supply.

4.1.2. You will require an air pressure and an air flow (cfm) according to the specification listed above.

- **WARNING!** Ensure that the air supply is clean and does not exceed the pressure quoted while operating the sander. Too high an air pressure and/or unclean air will shorten the life of the sander due to excessive wear and may be dangerous causing damage and/or personal injury.

4.1.3. Drain the compressor air tank daily. Water in the air line will damage the sander.

4.1.4. Clean the compressor air inlet filter weekly. Recommended hook-up is shown in fig.1.

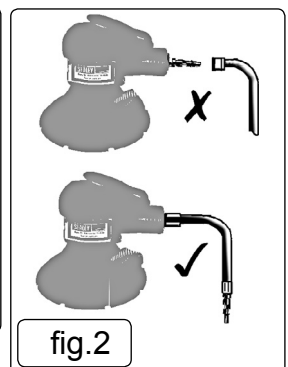
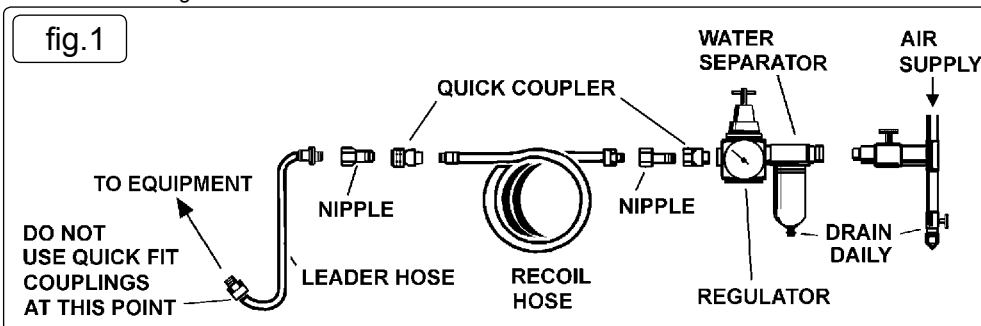
4.1.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 1/4" I.D. and fittings must have the same bore.

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 fit coupling is connected directly to the air tool.

To overcome this, connect a leader hose to the tool. A quick fit coupling may then be used to connect the leader hose to the air line recoil hose. See figs. 1 & 2.



4.3. DUST COLLECTION

4.3.1. Models MAT150AS.

The dust outlet tube of the sander must be connected to a dust-free system in accordance with COSHH, and any other regulations that may apply to the work area. For information on dust-free systems, contact your local Sealey Stockist.

4.3.2. Model MAT150SC.

This model has a dust bag included. Attach the dust extraction pipe to the machine outlet and secure it with the worm drive clip provided. Insert the other end into the small opening at the bag head. Push the tube half way into the bag. Secure with the ties. To empty the bag, wear appropriate dust mask, etc., open the velcro end and empty contents according to disposal regulations. Do not place any liner in the bag as this will inhibit the air flow.

5. OPERATION

- 5.1. Attach a suitable sanding material to the velcro backing disc / pad.
- 5.2. Connect the sander to the air supply and to a dust free system if required (MAT150AS).
Press the control valve (ON/OFF) lever and check that the unit is working correctly. Some models will have an air flow control knob.
Turn the knob to increase or decrease the air flow.

NOTE: The sander is designed for dry use only. **DO NOT** use with water or any other liquids.

6. MAINTENANCE

- WARNING!** Disconnect sander from air supply before changing accessories, servicing or performing maintenance. Replace or repair damaged parts. *Use recommended parts only.*
Unauthorised parts may be dangerous and will invalidate the warranty.
 - × **DO NOT** oil the sander, or connect to an air supply which incorporates an oiler. Oiling will result in damage to teflon surfaces within the sander.
- 6.1. Clean the sander after use and change pads when required.
 - 6.2. 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 3.
 - b) Grit or gum deposits in the tool 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 tool out with gum solvent oil or an equal mixture of SAE 10 oil and kerosene. Allow to dry before use.
 - c) If you continue to experience problems, contact your local Sealey service agent.
 - 6.3. For a full service contact your local Sealey service agent.
 - 6.4. When not in use, disconnect from air supply, clean 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 to be operated in accordance with these instructions.

Model No MAT150AS

Measured vibration emission value (a): . . .3.95m/s²

Uncertainty value (k):1.975m/s²

Model No MAT150SC

Measured vibration emission value (a): . . .2.41m/s²

Uncertainty value (k):1.2m/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.

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.



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.

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