INSTRUCTIONS FOR

AIR PALM ORBITAL SANDER Ø75mm

MODEL NO: **GSA003**

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 a mask


Wear ear protection

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 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 PPE 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 work piece is correctly secured before operating the sander. Never hold a work piece by hand.
- ✓ Check the work piece 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 pull the hose from the air supply.
- × **DO NOT** get the sander wet or use in damp or wet locations. 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** 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 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.
b) PE Coated Hooded Coverall.
c) Latex Gloves.

4. Take adequate measures to contain the paint dust, flakes and scrapings.
5. Continue to wear safety equipment whilst thoroughly clean all areas when task is complete.
6. Seal paint waste in bags or containers for disposal according to local regulations.

❑ **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): .....0.8 m/s²
Uncertainty value (k):.....0.4 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 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.

2. INTRODUCTION

Variable speed control lever for quick adjustment to suit work piece. Model No's GSA04 and GSA05 feature a 360° exhaust muffler to help reduce noise emission and redirect airflow away from operator. Model No. GSA05 features a dust-free outlet for use with centralised dust extraction systems. Model No. GSA06 features a self-generated vacuum with hose and bag. All models supplied with hook-and-loop pad.

3. SPECIFICATION

Model No	GSA003
Pad Size	Ø75mm
Thread Size	5/16"UNF
Free speed	11000rpm
Orbit Size	Ø2.5mm
Air Consumption	3.5cfm
Operating pressure	90psi
Air inlet size	1/4"BSP
Vacuum Outlet	n/a
Weight	0.65kg
Noise Power	87dB(A)
Noise Pressure	76dB(A)
Vibration	0.8m/s²
Vibration uncertainty	0.4m/s²

4. .OPERATION

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 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.
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 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 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.

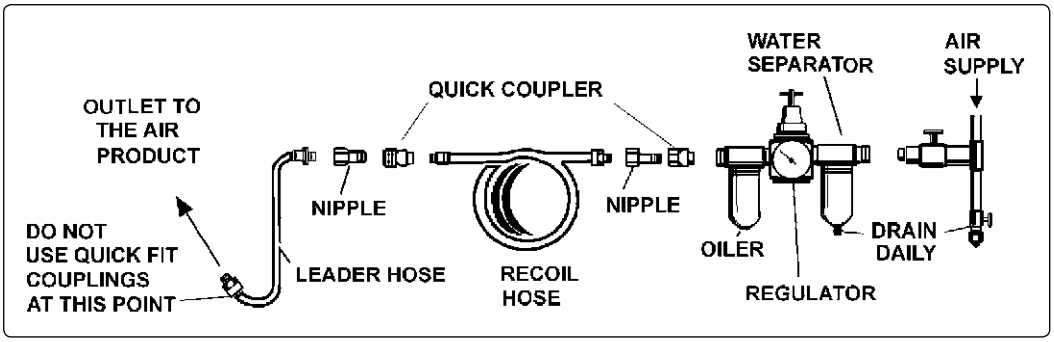

fig.1

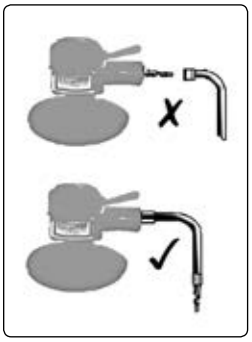

fig.2

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

4.3. Assembly

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

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

4.3.3. The air flow may be regulated by turning the control lever.

4.4. 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

× **DO NOT** use petrol, solvent, or other flammable liquids for cleaning of tool. Solvents used for cleaning the tool handle and tool body can cause softening of seals. Thoroughly dry the tool before starting work.

5.1. In case of any abnormality in the tool operation, the tool should be immediately disconnected from the pneumatic system.

5.2. All pneumatic system components must be protected from pollution. Pollution, which gets into the pneumatic system can harm the tool and other elements of pneumatic system.

5.3. Maintenance of the tool before each use

5.3.1. Disconnect the tool from pneumatic system.

5.3.2. Introduce a small amount of preservative fluid (for example wd-40) through the air inlet and connect the tool to the pneumatic system and run it for about 30 seconds. This will distribute the preservative liquid on the tool interior and clean it. Disconnect the tool from pneumatic system again.

5.3.3. A small quantity of SAE 10 oil let into the tool interior via air inlet. It is recommended to use SAE 10 oil intended for maintenance of pneumatic tools. Connect the tool and run it for a short time. WD - 40 may not serve as the appropriate lubricating oil. Remove excess oil

5.3.4. Every 6 months, or after 100 hours of work you should submit the tool for examination by a qualified person.

A damaged / faulty tool can cause injuries. Any repair of the tool must be carried out by qualified person in an authorized repair workshop.

6. TROUBLE SHOOTING

Failure	Possible solution
The tool speed is too slow or it does not start	Let a small amount of WD-40 through the air inlet. Run the tool for a few seconds. The blades may stick to the rotor. Run the tool for about 30 seconds. Lubricate the tool with small amount of oil. Attention! The excess of oil can cause a decrease in power of tool. In this case, you should clean the drive.
The tool starts and then slows down	The compressor does not provide enough air. The tool starts by the air collected in the tank of compressor. As the tank is emptying, the compressor has not kept pace with the refilling of air shortages. Connect the device to a more efficient compressor.
Insufficient power	Make sure that the air hoses have an internal diameter as specified. Check the air pressure, whether it is set to the maximum value. Make sure that the tool is properly cleaned and lubricated. In the absence of results, submit the tool for repair.

Parts support is available for this product. To obtain a parts listing and/or diagram, please log on to www.sealey.co.uk, email sales@sealey.co.uk or telephone 01284 757500.

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.
When the product becomes completely unserviceable and requires disposal, drain off any fluids (if applicable) into approved containers and dispose of the product and the 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 will be required for any claim.

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