



# AIR KNIFE

MODEL NO: **WK025.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 & 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



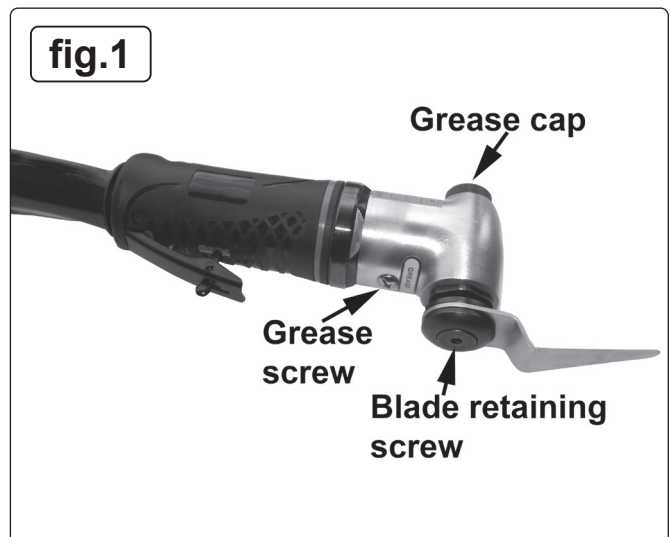
Wear a mask

## 1. SAFETY

- ✓ Follow all workshop Health & Safety rules, regulations, and conditions when using tool.
- ❑ **WARNING!** Disconnect from air supply before changing cutting blade or servicing.
- ✓ Maintain air knife in good condition and replace any damaged or worn parts. Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ❑ **WARNING!** Check correct air pressure is maintained and not exceeded. We recommend 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.
- ❑ **WARNING!** Before each use check knife blade is secure, and is not worn or damaged. If damaged, replace immediately.
- ✓ Ensure replacement knife blades are not damaged.
- ❑ **WARNING!** Always wear approved eye or face protection when operating the air knife.
- ✓ Use breathing protection in accordance with COSHH regulations if fumes or dust pose a hazard.
- ✓ Wear ear defenders and safety gloves.
- ✓ Keep hands and body clear of the work piece when operating the air blade.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Secure unstable work piece with a clamp, vice or other adequate holding device.
- ✓ Keep children and non essential persons away from the working area.
- ✓ Avoid subjecting knife blade to excessive strain, always ease grinding bit against work piece. Maintain a controlled adequate progression.
- \* **DO NOT** get the air knife wet or use in damp or wet locations.
- \* **DO NOT** hold the work piece by hand. Use clamps or a vice to secure the work piece.
- \* **DO NOT** use the air knife for a task it is not designed to perform.
- \* **DO NOT** use air knife if damaged or faulty. Contact your local service agent.
- \* **DO NOT** use air knife unless you have been instructed in its use by a qualified person.
- \* **DO NOT** carry the air knife by the air hose, or pull the hose from the air supply.
- \* **DO NOT** direct air from the air hose at yourself or others.
- \* **DO NOT** cut any materials containing asbestos.
- \* **DO NOT** turn the air knife on whilst the knife blade is in contact with the work piece.
- \* **DO NOT** use air knife where there are flammable liquids, solids or gases such as paint solvents, including waste wiping or cleaning rags etc as generated sparks may be dangerous.
- \* **DO NOT** touch the work piece close to the cut surface as it will be very hot. Allow to cool. The work piece may also be very sharp.
- \* **DO NOT** operate the air knife if you are tired or under the influence of alcohol, drugs or intoxicating medication.
- \* When not in use disconnect from air supply and store in a safe, dry, childproof location.

## 2. INTRODUCTION

Quickly and easily cuts windscreen bonding. Has safety throttle to prevent inadvertent starting and integral regulator for speed control. Leader hose features outer sleeve, directing exhaust away from work piece and user. Supplied with offset straight blade and hex key. A wide range of optional blades are available, greatly increasing the versatility of this knife in garage and workshop.



### 3. SPECIFICATION

Model No.....	WK025.V2
Blade frequency.....	333Hz
Air Consumption.....	13.2cfm
Operating Pressure.....	90psi
Air Inlet Size.....	1/4" BSP
Weight.....	1.07kg
Noise Power/Pressure.....	91/80dB(A)
Vibration/Uncertainty.....	14/1.9m/s <sup>2</sup>
Replacement Blade.....	WK025FSS57

### 4. PREPARATION

#### 4.1. AIR SUPPLY

Recommended hook-up procedure is shown in fig.2.

4.1.1. Ensure tool air valve (or trigger) is in "Off" position before connecting to the air supply.

4.1.2. You will require an air pressure of 90psi, and an air flow according to specification.

- **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 be dangerous causing damage and/or personal injury.

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

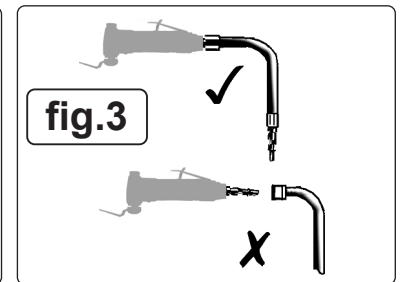
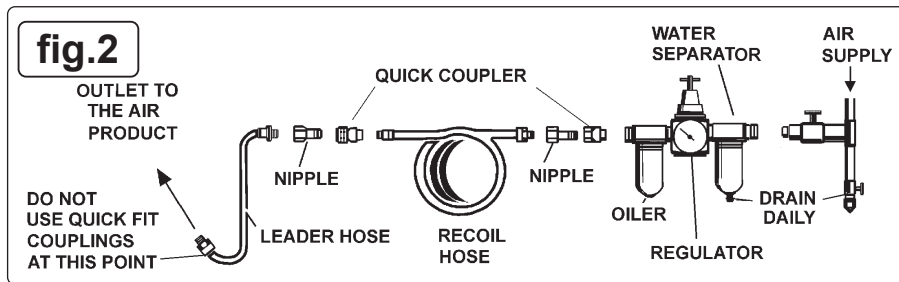
4.1.4. Clean air inlet filter weekly.

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 hose 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 tool. To overcome this, connect a leader hose to the tool. A quick change coupling may then be used to connect the leader hose to the air line recoil hose. See figs 2 & 3.



#### 4.3. FITTING A BLADE

- **WARNING!** Disconnect from the air supply before changing blades.

4.3.1. Use hex key to remove retaining screw and retaining spacer, see fig.1.

4.3.2. Place the blade onto the spindle.

4.3.3. Replace the spacer and screw and secure with hex key, but do not over tighten.

4.3.4. Check that replacement blade is not damaged, (cracks, deformations etc).

4.3.5. Check the mounting washer to ensure it is not deformed, burred or notched.

### 5. OPERATION

- **WARNING!** Ensure you have read, understood and apply safety instructions in section 1.

5.3.1. Connect the tool to the air supply.

5.3.2. To start the tool, hold firmly and push the trigger locking lever forward whilst depressing trigger.

5.3.3. The blade must be oscillating at its maximum speed before attempting to cut.

5.3.4. Slowly and smoothly bring the blade toward the work piece (avoid jerky movements).

4.2.5. Exert adequate pressure on the tool to allow cutting according to the type and size of the material you are working with. Avoid subjecting blade to excessive strain, always hold tool firmly and ease blade against work piece. Maintain a controlled progression. **DO NOT** allow tool to free run for an extended period of time as this will shorten its life.

### 6. MAINTENANCE

- **WARNING!** Disconnect tool 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 tool daily with a few drops of Sealey air tool oil dripped into the air inlet to prolong its life.

#### 6.2. Greasing

6.2.1. Remove the grease screw on the front of tool located above the trigger and the grease cap on top. Insert a small amount of grease. Replace cap and screw.

6.3. Clean the tool after use.

6.4. 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 section 4.
- 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 No 10 oil and paraffin. Allow to dry before use.

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

6.6. When not in use, disconnect from air supply, clean tool 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):** 14 m/s<sup>2</sup>

**Uncertainty value (k):** 1.9 m/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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