



INSTRUCTIONS FOR

CORDLESS LITHIUM-ION ANGLE GRINDER Ø115MM 20V 1HR CHARGE

MODEL NO: **CP20VAG**

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

1.1. Electrical Safety

- ❑ **WARNING!** It is the user's responsibility to check the following:
 - Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey stockist.
 - If the used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.
 - Electrical safety information, it is important that the following information is read and understood.
- ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- ✓ Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- ✓ Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.
- ✗ **DO NOT** pull or carry the appliance by the power cable.
- ✗ **DO NOT** pull the plug from the socket by the cable. Remove the plug from the socket by maintaining a firm grip on the plug.
- ✗ **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.

This product is fitted with a BS1363/A 13 Amp 3 pin plug.

If the cable or plug is damaged during use, switch off the electricity supply and remove from use.

Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.

Class II products are wired with live (brown) and neutral (blue) only are marked with the Class II symbol;

A) Connect the BROWN live wire to the live terminal 'L'.

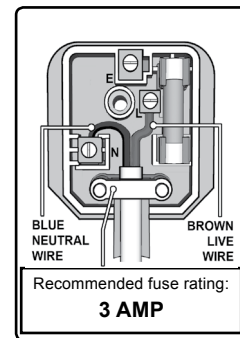
B) Connect the BLUE neutral wire to the neutral terminal 'N'.

C) After wiring, check that there are no bare wires and ensure that all wires have been correctly connected.



Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.

- ✗ **DO NOT** connect either wire to the earth terminal.
- Sealey recommend that repairs are carried out by a qualified electrician.



1.2. Battery Charger Safety Instructions

- ❑ **WARNING! DO NOT** use the charging base to charge any battery other than that required for the tool. Other types of batteries may explode!
- ✓ Inspect the plug, cable and the charging base for wear and damage to ensure items are safe before connecting to the mains power supply. If worn or damaged **DO NOT** use, immediately replace, or contact a qualified electrician.
- ✓ Check cables are always protected against short circuit and overload.
- ✓ Uncoil the power cable between the plug and the charging base before use.
- ✗ **DO NOT** pull or carry the charging base by the charger power lead, or pull the plug from the mains socket by the power lead.
- ✗ **DO NOT** use any other type of transformer with the charging base.
- ✗ **DO NOT** try to open or dis-assemble the plug or charging base.
- ✗ **DO NOT** use the plug to power any other electrical item.
- ✓ Disconnect the charging base from the mains power supply when not in use.
- ✗ **DO NOT** expose the charging base to damp or wet conditions (for indoor use only).
- ✗ **DO NOT** operate the charging base if it has been dropped, or has received a sharp knock, or is damaged. Contact an authorised service agent.
- ✗ **DO NOT** dismantle the charging base as this may cause damage or personal injury and will invalidate your warranty.
- ✗ **DO NOT** insert foreign objects or material into the slot reserved for the battery.
- ✗ **DO NOT** immediately charge a second battery. Consecutive charging will overheat the charging base. Allow the unit to cool for 15 minutes before charging the next battery.
- ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.

- ✓ Ensure that cables are always protected against short circuit and overload.
 - ✗ **DO NOT** use worn or damaged cables, plugs or connectors. Immediately have any faulty item replaced by a qualified electrician.
- 1.3. **Battery safety instructions.**
- ☐ **WARNING!** Battery contains Lithium-ion which is dangerous. Handle with care to avoid damage, fire, corrosion or personal injury.
 - ✓ Charge battery prior to its first use. The battery will have been shipped in a low charge state. To reduce the risk of burns or fire:
 - ✗ **DO NOT** Attempt to open, disassemble, modify or service the battery pack.
 - ✗ **DO NOT** Crush, puncture, short external contacts or dispose of in fire or water.
 - ✗ **DO NOT** Expose to temperatures above 40°C (104°F).
 - ✓ Replace only with the battery pack designated for this product.
 - ✓ Use only the charging base provided to charge the grinder battery.
 - ✗ **DO NOT** attempt recharging the battery by means of an engine generator or a DC power source.
 - ☐ **WARNING!** Dispose of spent batteries correctly as they contain Lithium-ion. **DANGER! DO NOT** attempt to disassemble the battery. For safety and environmental reasons **DO NOT** discard in domestic waste or by burning. ONLY discard or recycle according to local authority regulations.
 - ☐ **WARNING! DO NOT** allow a leaking battery to contact your person.
- 1.4. **General Safety.**
- ☐ Disconnect the battery from the grinder unit before changing accessories, servicing or performing any maintenance.
 - ✓ Maintain the grinder and battery in good condition. Check moving parts alignment on a regular basis.
 - ✓ Replace or repair damaged parts. Use an authorised service agent and recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
 - ✓ Ensure the grinder is switched off before installing the battery.
 - ✓ Keep the grinder battery and charger clean for best and safest performance.
 - ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and contain long hair.
 - ✓ Evaluate your working area before using the grinder e.g. ceiling, floors and enclosures may contain electrical items or water piping.
 - ✓ Ensure battery is correctly inserted into the grinder handle and latched in place before attempting to switch on.
 - ✓ Secure loose workpieces with a clamp, vice or other adequate holding device.
 - ✓ Avoid unintentional starting.
 - ✓ Wear approved safety eye protection (standard spectacles are not adequate).
 - ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-skid shoes.
 - ✓ Be aware that this grinder does not need to be plugged into the mains power.
 - ✓ Keep children and unauthorised persons away from the working area.
 - ✗ **DO NOT** use the grinder where there are flammable liquids, solids or gases, such as paint solvents, etc.
 - ✗ **DO NOT** allow children to operate the grinder.
 - ✗ **DO NOT** operate the grinder if any parts are missing as this may cause failure or possible personal injury.
 - ✗ **DO NOT** hold unsecured workpiece in your hand.
 - ✗ **DO NOT** carry the grinder with your finger on the power trigger.
 - ✗ **DO NOT** use the grinder for a task it is not designed to perform.
 - ✗ **DO NOT** operate the grinder when you are tired or under the influence of alcohol, drugs or intoxicating medication.
 - ✗ **DO NOT** get the grinder, battery or charger wet or use in damp or wet locations.
 - ✗ Keep the grinder, battery and charger in a safe, dry, childproof area where the temperature will not exceed 104°F (40°C).

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 28927-1:2009 & BS EN ISO 15744:2008.

Declaration and verification of Vibration Emission figures are in accordance with EN 12096:1997

Measured vibration emission value (a): 6.151 m/s²

Uncertainty value(k): 1.50m/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

Lightweight, compact and ergonomically designed. Features heavy-duty alloy bevel gear head with aluminium gear casing. Features spindle lock for quick disc changes and adjustable disc guard. Supplied with side handle and soft grip for added comfort and control. Powered by Lithium-ion battery, which maintains a high energy density level with a flat discharge curve - performing better and longer than a conventional Ni-Cd/Ni-MH battery. Supplied with 1 hour mains charger and battery in storage case.

3. SPECIFICATION

Model No:	CP20VAG
Battery:	20V 3Ah Li-ion
Disc Size:	Ø115mm
Spindle Size:	M14 x 2mm
Motor Power:	700W
No Load Speed:	10,000rpm
Replacement Battery:	CP20VBP
Weight:	2.36kg
Noise Power:	96.06dB.A
Noise Pressure:	85.06dB.A
Vibration:	6.151m/s ²
Vibration uncertainty:	1.5m/s ²

4. BATTERY CHARGING

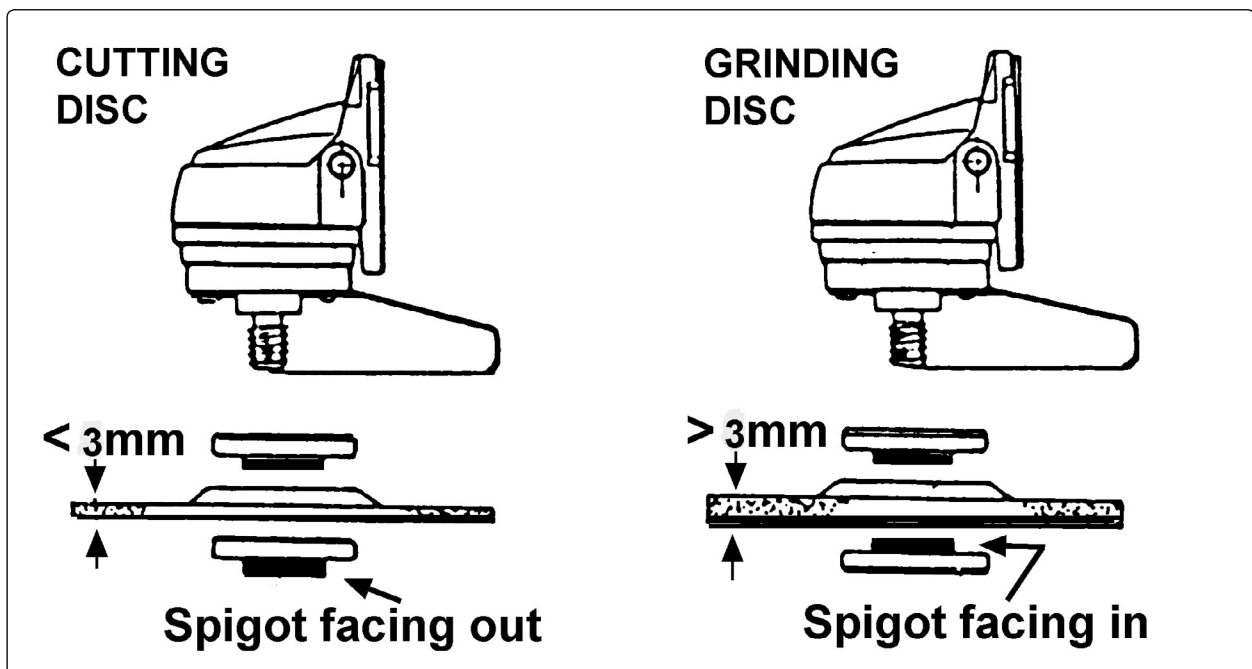
NOTE:- When new, the batteries will have been shipped in a low charge state. Fully charge the batteries before using your tool.

- To remove the battery from the grinder, depress the spring loaded button on the battery pack. Remove the battery pack by sliding out. **DO NOT** touch the metal battery terminals.
- The battery is designed to fit into the charger one way only. Insert the battery fully and firmly to seat the battery into the charging base.
- Take the base charger and plug it into the mains, switch on the power the Red LED on the charger will illuminate.
- When the battery is on charger the green LEDs on the battery will illuminate and pulse on/off, this indicates the battery is now charging.
- When the green LEDs illuminate permanently the battery is fully charged. The red LED will extinguish.
- During the charging process the battery status can be checked by pressing the button on the battery. No lights indicates battery is "flat", three lights on indicates battery fully charged.
- Remove the battery from the charger. Switch off and remove the plug from the mains. Push the battery back into the grinder until it snaps into place. The grinder is now ready for use.

5. WHEEL / DISC FITTING

NOTE:- Remove battery to avoid accidental starting.

- Clamp the wheel guard to the neck of the grinder. The orientation can be changed to suit the task later.
- Fit the side auxiliary handle to the user preferred side.
- Fit the inner clamp ring, registering slot flats with the spindle flats.
- Offer a grinding wheel/cutting disc (115mm diameter with *22mm diameter bore and boss minimum thickness 3mm) on to the inner clamp ring spigot. If the boss thickness is less than 3mm, reverse the clamp ring fitting, such that the spigot is outboard.
- Wind on the outer clamp ring with the 22mm diameter spigot inboard entering the grinding wheel bore.
- With the pinned wrench, clamp the grinding wheel/cutting disc. Resistance to the gearbox turning in this process is offered by pressing the button on the casing head. Turn the wheel and press the button until the locking position is found.
- Read the instructions for operation of the grinder and then fit the charged battery.
(*14mm bore grinding wheel/cutting discs (not recommended) must be clamped spigot to spigot.)



6. OPERATION

NOTE:- The operator should now be wearing the correct protective clothing, goggles and ear defenders.

- 6.1. Fit the pre-charged battery.
- 6.2. With a firm grip on the grinder barrel handle depress the safety trigger (positioned on the back of the body). Hold the auxiliary handle; start the grinder by depressing the Start switch.
Some minor inertia will be felt by the user and care must be taken with the grinding wheel.
To stop the grinder, release the Start switch.
- 6.3. On completion of tasks, clean all items and store in a dry, childproof area.



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.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



BATTERY REMOVAL

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705.

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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