INSTRUCTIONS FOR:

HVLP SPRAY GUN KIT

MODEL No: **HVLP2000.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 AND CAUTIONS. USE THIS 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.**

1. SAFETY INSTRUCTIONS

1.1. ELECTRICAL SAFETY.

❒ **WARNING! It is the user's responsibility to read, understand and comply with the following:**

You must check all electrical equipment and appliances to ensure they are safe before using. You must inspect power supply leads, plugs and all electrical connections for wear and damage. You must ensure the risk of electric shock is minimised by the installation of appropriate safety devices. An RCCB (Residual Current Circuit Breaker) should be incorporated in the main distribution board. We also recommend that an RCD (Residual Current Device) is used with all electrical products. It is particularly important to use an RCD with portable products that are plugged into an electrical supply not protected by an RCCB. If in doubt consult a qualified electrician. You may obtain a Residual Current Device by contacting your Sealey dealer. ***You must*** also read and understand the following instructions concerning electrical safety.

1.1.1. The ***Electricity At Work Act 1989*** requires all portable electrical appliances, if used on business premises, to be tested by a qualified electrician, using a Portable Appliance Tester (PAT), at least once a year.

1.1.2. The ***Health & Safety at Work Act 1974*** makes owners of electrical appliances responsible for the safe condition of the appliance and the safety of the appliance operator. ***If in any doubt about electrical safety, contact a qualified electrician.***

1.1.3. Ensure the insulation on all cables and the product itself is safe before connecting to the mains power supply. See 1.1.1. & 1.1.2. above and use a Portable Appliance Tester (PAT).

1.1.4. Ensure that cables are always protected against short circuit and overload.

1.1.5. Regularly inspect power supply, leads, plugs for wear and damage and all electrical connections to ensure that none are loose.

1.1.6. ***Important:*** Ensure the voltage marked on the product is the same as the electrical power supply to be used and check that plugs are fitted with the correct capacity fuse. A 13 amp plug may require a fuse smaller than 13 amps for certain products, see fuse rating at right.

1.1.7. DO NOT pull or carry the powered appliance by its power supply lead.

1.1.8. DO NOT pull power plugs from sockets by the power cable.

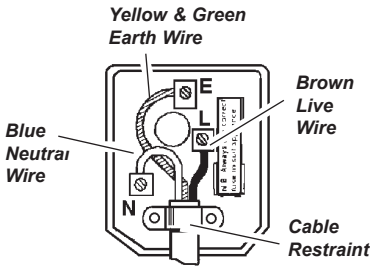
1.1.9. DO NOT use worn or damaged leads, plugs or connections. Immediately replace or have repaired by a qualified electrician. A U.K. 3 pin plug with ASTA/BS approval is fitted. In case of damage, cut off and fit a new plug according to the following instructions (discard old plug safely).
(UK only - see diagram at right). ***Ensure the unit is correctly earthed via a three-pin plug.***

a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.

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

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

d) After wiring, check there are no bare wires, that all wires have been correctly connected, that cable outer insulation extends beyond the cable restraint and that the restraint is tight.



FUSE RATING
THIS PRODUCT MUST BE FITTED WITH A
5 AMP FUSE

Double insulated products are often fitted with live (BROWN) and neutral (BLUE) wires only. Double insulated products are always marked with this symbol ⧈. ***To re-wire, connect the brown and blue wires as indicated above. DO NOT*** *connect the brown or blue to the earth terminal.*

1.1.10. Some products require more than a 13 amp electrical supply. In such a case, *NO* plug will be fitted. ***You must*** contact a qualified electrician to ensure a 30 amp fused supply is available. We recommend you discuss the installation of a industrial round pin plug and socket with your electrician.

1.1.11. **Cable extension reels**. When a cable extension reel is used it should be fully unwound before connection. A cable reel with an RCD fitted is recommended since any product which is plugged into the cable reel will be protected. The section of the cores of the cable is important. We suggest 1.5mm² section as a minimum but to be absolutely sure that the capacity of the cable reel is suitable for this product and for others that may be used in the other output sockets, we recommend the use of 2.5mm² section cable.

1.2. GENERAL SAFETY.

✓ Familiarise yourself with the application, limitations and potential hazards peculiar to the spray gun.

❒ **WARNING!** Disconnect the spray gun from the air hose before changing accessories, servicing or performing any maintenance.

✓ Maintain the spray gun 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.*

✓ Keep the spray gun clean for best and safest performance.

✓ Wear approved safety respiratory protection and safety goggles.

✓ Remove ill fitting clothing. Remove ties, watches, rings, and other loose jewellery, and tie back long hair.

✓ Locate the spray gun in the desired working area, keep area clean and tidy and free from unrelated materials and ensure that there is adequate ventilation and lighting.

✓ Keep children and unauthorised persons away from the working area.

✓ Avoid unintentional operation.

✗ **DO NOT** point spray gun at yourself, other persons or animals.

✗ **DO NOT** carry the spray gun by the hose, or yank the hose from the air outlet.

✗ **DO NOT** use the spray gun for any purpose other than for which it is designed.

✗ **DO NOT** allow untrained persons to operate the spray gun.

✗ **DO NOT** get the spray gun wet and **DO NOT** use outside or in damp or wet locations or areas where there is condensation.

✗ **DO NOT** operate the spray gun if any parts are missing or damaged as this may cause failure and/or possible personal injury.

✗ **DO NOT** direct air from the air hose at yourself, other persons or animals..

✓ When not in use switch the unit off and disconnect from the mains power supply.

✗ **DO NOT** use the machine in the presence of flammable liquids or gases, or on premises where explosive substances are stored.

✗ **DO NOT** open the main unit or loosen or remove any of its retaining screws.
✗ **DO NOT** wipe plastic parts with any solvents such as petrol, thinners, carbon tetrachloride, alcohol or ammonia.
✗ **DO NOT** mix or thin paint in an area where there may be functioning appliances producing a naked flame or electrical sparking. This includes equipment that is electric motor powered.
✗ **DO NOT** switch on the spray gun when paint is being mixed or thinned.
✓ Ensure that any vapours have dispersed before switching on the spray gun.
✓ Tightly recap all containers immediately after thinning or mixing paint, and store away from the spraying area.
✗ **DO NOT** spray near any sources of ignition such as an open fire, cigarettes, cigars or pipes, sparks, glowing wires or hot surfaces or naked lighting.
✓ Ensure that the air hose is firmly connected to the unit and the gun to avoid the possibility of any spilt material being drawn into the unit.
✓ When not in use, thoroughly clean the spray gun and then store it in a safe, dry, childproof location.

2. INTRODUCTION & SPECIFICATION

Utilises 600Watt electric motor with high performance turbine to deliver continuous volumes of air. Spray gun uses composite body, which has low affinity for paint, enabling quick and easy cleaning. Gun includes air and paint controls for fine adjustment of spray pattern. Suitable for interior and exterior use, applying water and oil based paints, lacquers and stains. Supplied with air hose, viscosity cup and shoulder strap.

Specification

Spray Gun Set-Up: 2mm
Pot Capacity: 700ml
Voltage: 230V
Power Consumption: 600W
Air Hose Length: 2.4m
Weight:. 2.7kg

3. PAINT PREPARATION

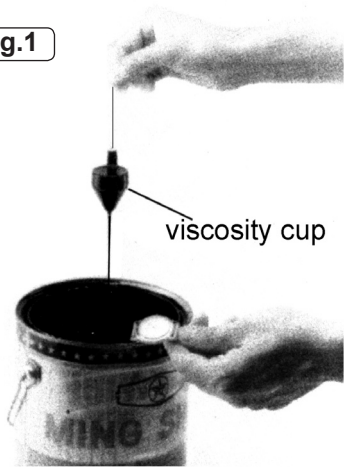
3.1. Checking paint viscosity.

As most paints are made for brush or roller, it will normally be necessary to thin the paint to achieve proper atomisation and good coverage. Use the viscosity cup provided to check the viscosity of the material prior to thinning. Dip the cup into the paint to completely fill it and then time how long it takes for the paint to flow out again (fig.1). If the paint is the correct viscosity, the flow time should be approximately between 8 and 20 seconds. If the flow time is more than 20 seconds the paint is probably too thick. Thin the paint slightly and retest until the flow time is within the limits stated. If the flow time is less than eight seconds the paint is too thin.

3.2. Paint condition.

Any debris in the paint will clog the spray gun, which will then require a complete strip down and clean, before the spray gun will function again properly. This is particularly important when using paint that has previously been opened. The paint should be thoroughly mixed and free from any lumps. If necessary, strain the paint through a 60 mesh paint strainer, to ensure a smooth finish. The paint should be strained into a clean container and if any paint is left over, it should be stored in a clean container.

fig.1



4. ASSEMBLY / PREPARATION

4.1. Remove the spray gun from the unit and adjust the air cap by rotating it (or move the spray jets) to give the required spray pattern as shown in fig.2.
4.2. Unscrew the paint container. Fill container with paint (see Section 3 regarding paint preparation). Refit the paint container to the gun and tighten.
4.3. Lay out the air hose and connect one end to the back of the unit using a push and twist action. Similarly connect the other end of the hose to the spray gun.
4.4. Plug the unit into the mains supply and switch it on. The unit is now ready to use.

5. OPERATING INSTRUCTIONS

5.1. To increase the amount of material sprayed, screw the adjustment knob in. To decrease the amount of material sprayed, screw the adjustment knob out.
5.2. Control the fluid flow using the trigger.
5.3. If necessary re-adjust the spray pattern and/or the material control.
5.4. Good results can be obtained using a combination of the above adjustments. If you have no previous experience of spraying, it is suggested that you experiment on a non-essential area first, before performing the final spraying operation
5.5. For best results, handle the gun correctly. It should be held perpendicular to the surface being sprayed and moved parallel to it. Start the stroke before squeezing the trigger and release the trigger before finishing the stroke. This will give accurate control of the gun and material (fig.3).
5.6. Spray from a distance of about 150 to 250mm. The material deposited should always be even and wet. Each stroke must overlap the preceding stroke to obtain a uniform finish.

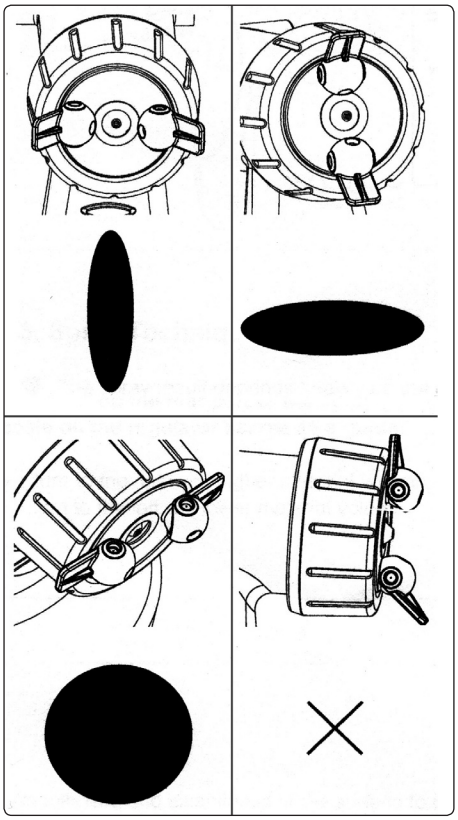


fig.2

6. CLEANING / MAINTENANCE

6.1. **The gun must be cleaned immediately after finishing using it.** On no account must any paint be allowed to even partially dry as this may make the gun unusable. Switch off the unit and disconnect from the mains supply before performing any maintenance or cleaning.

6.2. Empty the paint container immediately and flush it out. If using a water based paint, refill with clean water and operate the gun until it is spraying clean water only. If using an oil based paint, stain, or lacquer, clean the paint container with the appropriate thinning medium, then refill the container with the medium and operate the gun until all residue has been flushed out.

6.3. Clean the outside of the gun and the main unit with a soft cloth soaked in warm soapy water.

6.4. To maintain the spray gun in peak operational condition, the main parts should be regularly inspected and cleaned. Plastic parts can only be immersed in hot soapy water and brushed clean. Never soak plastic parts in any solvents as this may cause the parts to disintegrate.

6.5. Unscrew the nozzle retainer and remove the nozzle behind it (fig.4).

6.6. The fluid tube is a push fit into the main body of the gun. To remove for cleaning, simply pull it out of its seating.

6.7. Clean parts as previously directed and then carefully reassemble the gun in reverse order. When reassembling after cleaning / maintenance, be sure to take care when screwing parts together. **DO NOT** use excessive force when reassembling.

6.8. Should any deterioration in the performance of the spray gun occur, refer first to the trouble shooting guide, or return it to a Sealey service agent.

6.9. The air filter should be cleaned on a regular basis. Remove the filter cover by sliding it away from the unit and remove the foam filter.
If using water based paints clean the filter in mild soapy water and remove excess water by pressing in a soft cloth. Allow to dry before reinstalling. Slide the filter cover back into position.
Where a build-up of non-water soluble paint has occurred, the filter cannot be cleaned and will have to be replaced. To prolong filter life, place the main unit as far away as possible from the spraying area.

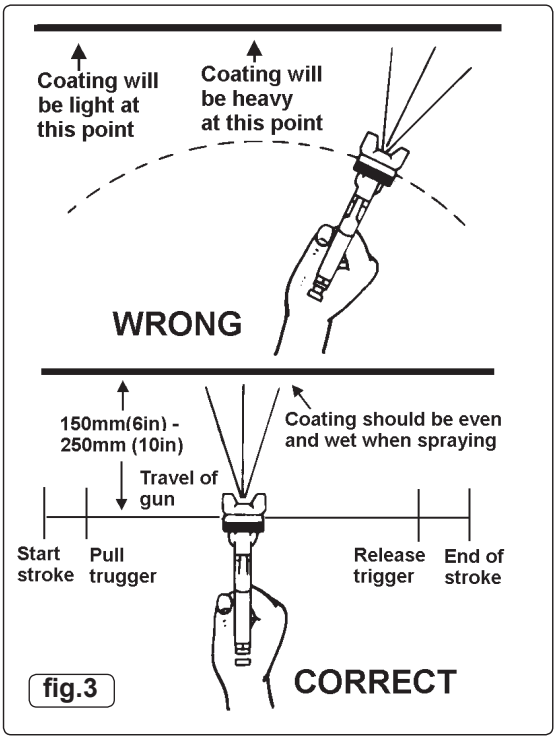


fig.3

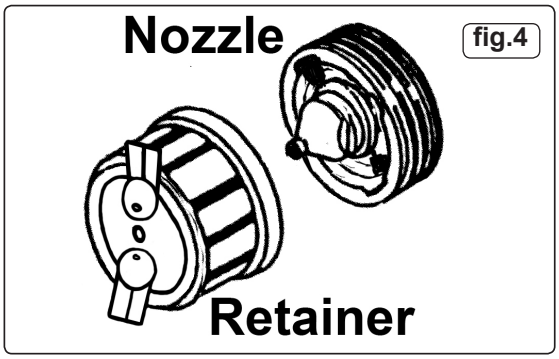
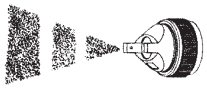
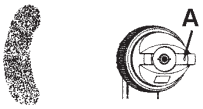
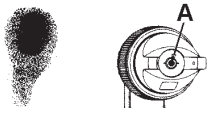


fig.4

7. TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Poor atomisation, heavy centre pattern 	Fluid flow is too high for the air flow.	1. Reduce fluid flow using the fluid control knob. 2. Fluid could be too thick, in which case dilute it.
Heavy atomisation, poor centre pattern 	Fluid is too thin.	1. Increase proportion of fluid to thinning medium.
Intermittent spray pattern 	Air entering the fluid supply.	1. Tighten the connection between the cup and the gun. 2. Check if paint pot is empty.
Heavy right or left side pattern 	One of the horn holes blocked (A).	1. Place the nozzle in cleaning solution. 2. Clean hole with compressed air or with a 'soft' probe. **DO NOT** use a metal probe which will damage the hole.
Top heavy or bottom heavy pattern 	Possible fluid build-up between fluid nozzle and needle.	1. Clean the fluid nozzle, check also that they match correctly. 2. Check needle for damage.

Environmental Protection.

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycle centre and disposed of in a manner which is compatible with the environment.

When the product is no longer required, it must be disposed of in an environmentally protective way.

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 phone 01284 757500.

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.
INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

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