

UNIMAC®



ELECTRIC HVLP PAINT SPRAYER

USER MANUAL

[Revision 2.0 August 2019]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.



PUMP WILL BE DESTROYED
if you don't FULLY FLUSH &
clean the entire system within
5 MINUTES of spraying.

Leaving paint in the system for longer than 5 minutes without spraying will destroy the pump.

Spray function warranty void if full flush/clean is not completed within 5 minutes of spraying.

PAINT THINNING REQUIRED

Paint must be thinned by approx 15%.

Use water to thin water-based paint.

Use turps to thin oil-based paint.

For 1 litre of paint, add 150ml of water/turps.

For 5 litres of paint, add 750ml of water/turps.

Stir the paint well after the water/turps has been added.

If the spray is still not fine enough or the flow is inadequate, try thinning the paint a little more.



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SAFETY

ATTENTION! When using power tools, the following basic safety measures are to be taken as protection against electric shock, personal injury and risk of fire. Read and observe these instructions before using the equipment.

- Spray materials emerge from nozzle tips under high pressure. **ATTENTION!** Danger of injection- Never point the spray stream towards human beings or animals.
- The spray gun is to be used only for paints and solvents with a 21°C flash point or higher (See information on the material tin. Hazard class A II and A III permitted).
- The spray gun is not to be used in work places covered by Ex-protection regulations.
- To avoid the hazard of explosion when spraying, provide for effective natural or artificial ventilation.
- No sources of ignition are to be in the immediate area when spraying, e.g. open flame, cigarettes, sparks, glowing wires and hot surfaces.
- Before carrying out any work on the spray gun, unplug the lead from the power socket.
- Do not use spray guns to spray flammable liquids.
- The spray guns are not to be cleaned with flammable solvents which have a flash point under 21 °C.
- Take precautionary measures against potential hazards from the spray liquid and follow any instructions given on containers or laid down by the manufacturer of the liquid.
- Do not spray any liquid of unknown hazard potential.
- Wear a breathing mask and ear protection.

INCLUDED ITEMS



1x Handheld sprayer with canister
1x Air hose

1x Base air compressor
2x Viscosity cups

SET-UP

CHECKING THE VISCOSITY OF YOUR PAINT

1. Get the larger viscosity cup and dip it into your paint:



2. Ensuring it's full to the rim, lift it up and time how long it takes to empty.

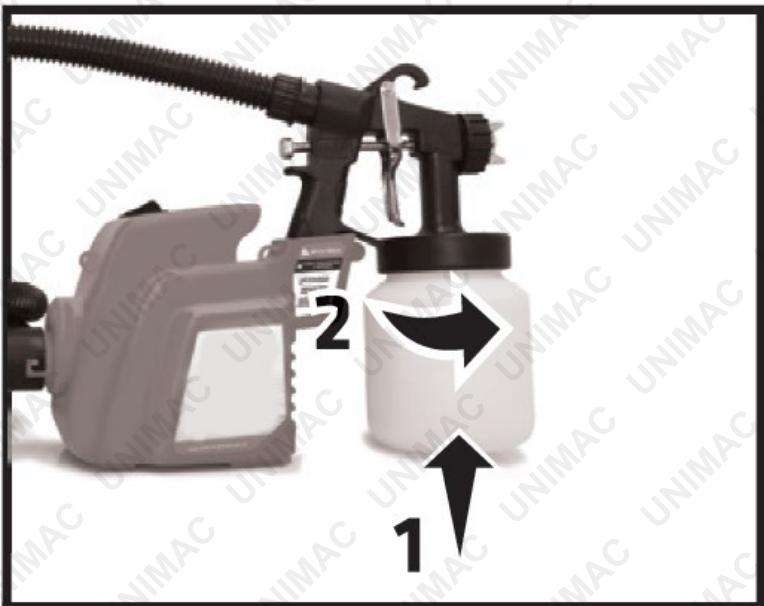
Below is a chart for comparison:

HANDLING TABLE FOR VISCOSITY		
SPRAY MATERIAL	VISCOSITY (RUNOUT TIME IN SECONDS)	
Thinner-soluble varnishes/ primers	20 – 35	20 – 45
Water-soluble varnishes / primers	20 – 50	20 – 60
Automobile spray paint	18 – 22	18 – 22
Wood preservatives, disinfectants, plant protectants, polishes, strippers, oils	Undiluted	Undiluted
Hammer effect enamel	25 – 35	30 – 45
Aluminium paints	20 – 30	20 - 30

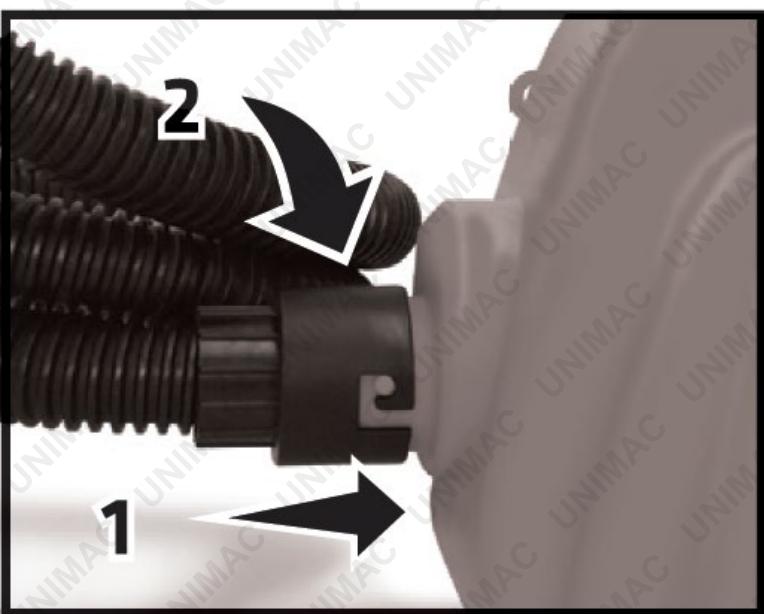
NOTE: if paint is too thick, please add appropriate thinner to your paint mix to ensure your sprayer does not clogged up.

SPRAYER SET-UP

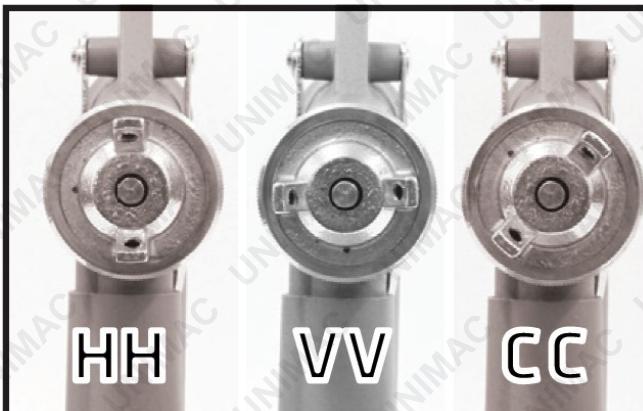
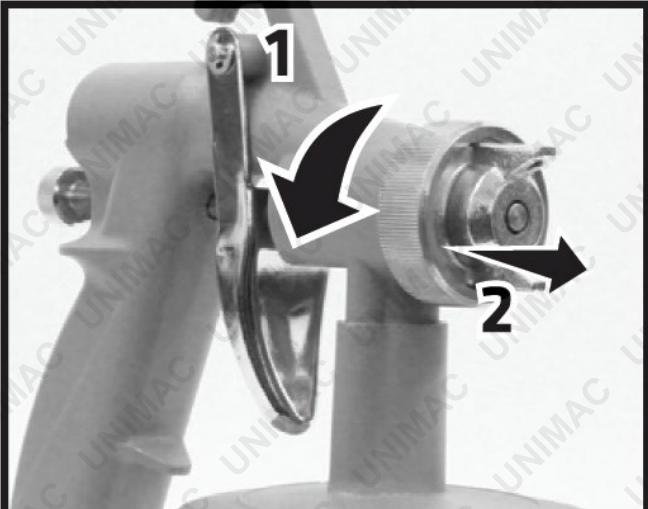
1. Remove canister and pour paint into it.
2. Screw canister back onto sprayer.



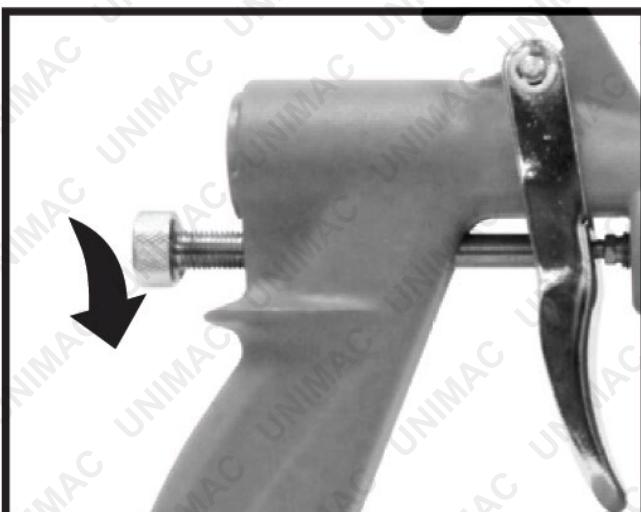
3. Connect the hose.



4. Adjust the horizontal (HH), vertical (VV) or diagonal (CC) nozzle. Unscrew, turn nozzle and screw back on.



5. Adjust the spray amount.

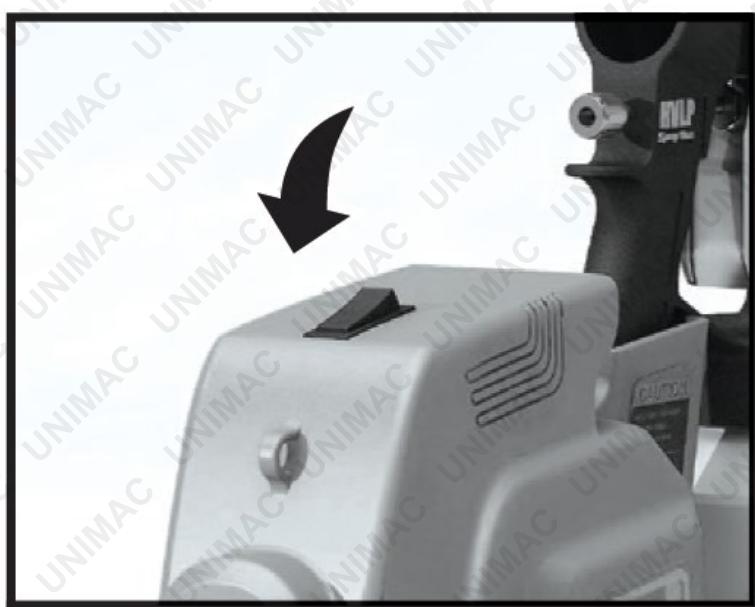


LESS SPRAY



MORE SPRAY

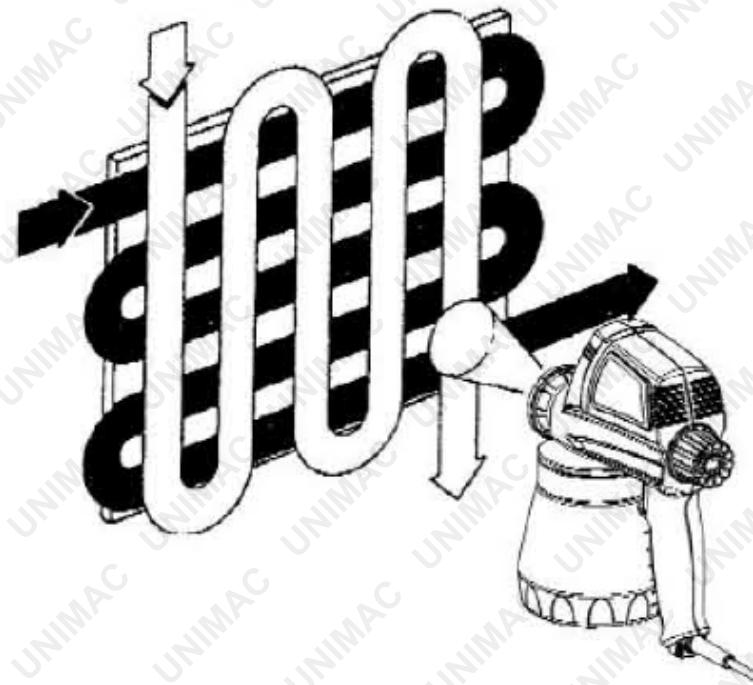
6. Connect to mains and power on.



7. Always do test coats and ensure canister is refilled when there is roughly one quarter remaining, otherwise your paint will splatter.



8. Always aim the sprayer facing directly to the surface and keep your wrist firm. Do not move with your wrist as spraying on an angle will result in uneven coverage. Also always use the same motion:



OPERATION

THINNING

Inadequate Thinning:

- Paint must be thinned by approx. 15% when using a paint sprayer.
- Use water to thin water-based paint.
- Use turps to thin oil-based paint.
- For 1 litre of paint, add 150ml of water/turps.

- For 5 litres of paint, add 750ml of water/turps.
- Be sure to stir the paint well after the water/turps has been added.
- If the spray is still not fine enough or the flow is inadequate, try thinning the paint a little more.
- Do not thin bulk amounts of paint until you have determined the ideal amount and tested it through the sprayer.

MAINTENANCE

GENERAL

- Clean your sprayer after every use.
- Use appropriate cleaning solvents (depending on the base of the material used).
- Remove all removable parts (canister, nozzle, etc.) and also clean with appropriate cleaning solvents.
- Allow to completely dry.
- Turn off sprayer when not in use.
- Store in a clean and dry environment.

CLEAN-UP

It is extremely important to thoroughly flush the sprayer immediately after use.

1. Use water to flush out water-based paint.
2. Use turps to flush out oil-based paint.
3. Spray oil/turps through the sprayer in exactly the same way you use paint.
4. You must run enough water/turps through the sprayer to ensure absolutely all paint has been removed from the system. Keep spraying until there's absolutely no paint coming out - the oil/turps should be completely clear.
5. Then complete clean-up by thoroughly removing all paint residue from the spray nozzle, the paint inlet and the rest of the machine.
6. Any trace of paint left in the unit or around the inlet or nozzle will prevent the sprayer from working properly.
7. Simply let our team know the unit is blocked and they will advise the easiest solution for un-blocking.

TROUBLESHOOTING

MALFUNCTION	CAUSE	CORRECTION
Spray gun buzzes and does not work	Piston stuck	Disassemble pump and clean with thinner
	Defective drive	Send spray gun to customer service centre
Spray gun does not suck in	No valve in the pump	Insert valve
Spray gun sucks in but does not spray	Nozzle clogged	Clean
	Ducts and holes in atomiser clogged	Clean
Spray gun works but sprays unevenly	Spray material in container running out	Refill
	Spray gun held inclined leading to sucking in of air	Use flexible nozzle extension
	Viscosity of spray material too high (too thick)	Dilute accordingly
	Fine adjustment button not set correctly	Reset accordingly to spray material
	Nozzle worn out	Replace
	Valve worn out	Replace
	Wrong valve inserted	Use correct valve
My paint sprayer will not spray. My paint sprayer sprays unevenly. Paint will not come out of my paint sprayer when I try to use it. The paint comes out unevenly. The paint is not a fine spray when it comes out. The paint is blotchy or messy when it sprays out. The paint sprayer is blocked.	Inadequate thinning or blockage.	<p>Inadequate Thinning:</p> <ul style="list-style-type: none"> Paint must be thinned by approx. 15% when using a paint sprayer. Use water to thin water-based paint. Use turps to thin oil-based paint. For 1 litre of paint, add 150ml of water/turps. For 5 litres of paint, add 750ml of water/turps. Be sure to stir the paint well after the water/turps has been added. If the spray is still not fine enough or the flow is inadequate, try thinning the paint a little more. Do not thin bulk amounts of paint until you have determined the ideal amount and tested it through the sprayer. <p>Blockage:</p> <ul style="list-style-type: none"> As outlined in the product manual it is extremely important to thoroughly flush the sprayer immediately after use. Use water to flush out water-based paint.

MALFUNCTION	CAUSE	CORRECTION
		<ul style="list-style-type: none"> ▪ Use turps to flush out oil-based paint. ▪ Spray oil/turps through the sprayer in exactly the same way you use paint. ▪ You must run enough water/turps through the sprayer to ensure absolutely all paint has been removed from the system. Keep spraying until there's absolutely no paint coming out - the oil/turps should be completely clear. ▪ Then complete clean-up by thoroughly removing all paint residue from the spray nozzle, the paint inlet and the rest of the machine. ▪ Any trace of paint left in the unit or around the inlet or nozzle will prevent the sprayer from working properly. ▪ Simply let our team know the unit is blocked and they will advise the easiest solution for un-blocking.

SPECIFICATIONS

FLUID NOZZLE	¢ 1.8mm (1.0-1.8mm)
SPRAY GUN TANK CAPACITY	1 Litre
AIR HOSE LENGTH	1.6 Meters
POWER SUPPLY	240/50Hz
RATED POWER	450W



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.



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