

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

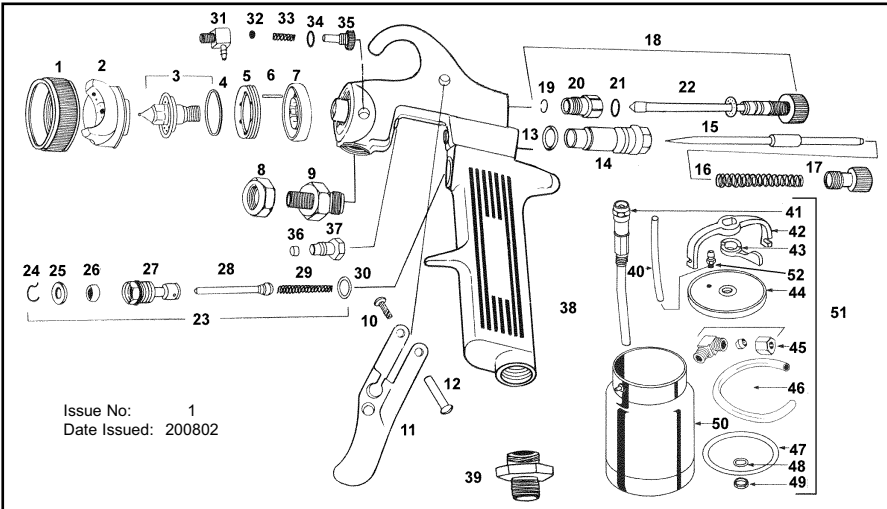
- ✓ Familiarise yourself with the application, limitations and potential hazards peculiar to the spray gun.
- ☐ **WARNING!** Disconnect the spray gun from the air supply before changing accessories, servicing or performing any maintenance.
- ✓ Maintain the spray gun in good condition (use an authorised 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.
- ✓ Ensure that the compressed air system can supply the spray gun air consumption (550l/min - 19.4cfm).
- ✓ Wear approved safety respiratory protection and safety eye goggles.
- ✓ If spraying isocyanate based finisher, wear approved respirator/clean air breathing apparatus and cover exposed skin with latex gloves and an impervious hooded coverall.
- ✓ Remove ill fitting clothing. Remove ties, watches, rings and other loose jewellery and tie back long hair.
- ✓ Locate the spray gun in a suitable work 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 work area.
- ✓ When not in use, ensure that the air supply is turned off.
- ✓ Avoid unintentional operation of spray gun.
- ✗ DO NOT point spray gun at yourself, other persons or animals.
- ✗ DO NOT direct air from the air hose at yourself, other persons or animals.
- ✗ DO NOT carry the spray gun by the hose, or yank the hose from the air supply.
- ✗ DO NOT exceed the maximum air pressure of 75psi.
- ✗ DO NOT use the spray gun for any purpose other than that for which it is designed.
- ✗ DO NOT allow untrained persons to operate the spray gun.
- ✗ DO NOT get the spray gun wet or use in damp or wet locations or in 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 personal injury.

2. DESCRIPTION & SPECIFICATIONS

The HVLP spray gun has an anodised body which resists corrosion and has a low affinity for paint, making this unit easy to clean. The gun also has adjustable paint and fan width controls. HVLP (High Volume, Low Pressure) uses lower air pressure but at a far higher throughput. The result of this is that very much more of the paint stays on the panel and less disappears into the atmosphere. Suitable for heavy commercial use and particularly suitable for applying commercial vehicle primers. Well balanced gun with positive pressure suction pot for smooth material flow. Supplied with 1.0mm set-up. 0.8 and 1.4 set-ups available separately.

SPECIFICATIONS

Standard set-up	.....	1.0mm
Available set-ups	.....	.0.8, 1.4mm
Working pressure range	.....	.50 - 75psi (3.5 - 5.0 bar)
Max. safe pressure	.....	.75psi (4 bar)
Air consumption	.....	.19cfm



Issue No: 1
 Date Issued: 200802

Item	Part No.	Description
1	HVLP79.01	Retaining ring - available only in Set 08, 10 or 14
2	HVLP79.02	Air cap - available only in Set 08, 10 or 14
3	HVLP79.03	Fluid nozzle and gasket (includes item 4) - available only in Set 08, 10 or 14
4	HVLP79.04	Gasket - available only in Set 08, 10 or 14
5	HVLP79.05	Lock screw
6	HVLP79.06	Dowel pin
7	HVLP79.07	Baffle
8	HVLP79.08	Lock nut
9	HVLP79.09	Fluid connector
10	HVLP79.10	Screw
11	HVLP79.11	Trigger
12	HVLP79.12	Stud
13	HVLP79.13	Gasket
14	HVLP79.14	Bushing
15	HVLP79.15	Fluid Needle (available only in Set 08, 10 or 14)
16	HVLP79.16	Spring
17	HVLP79.17	Adjusting screw
18	HVLP79.18	Side port control assembly - contains items 19, 20, 21 & 22
19	HVLP79.19	Retaining ring
20	HVLP79.20	Bushing
21	HVLP79.21	O-Ring
22	HVLP79.22	Side port stem assembly
23	HVLP79.23	Air valve assembly - contains items 24, 25, 26, 27, 28, 29 & 30
24	HVLP79.24	Snap ring

Item	Part No.	Description
25	HVLP79.25	Washer
26	HVLP79.26	"U" Cup seal
27	HVLP79.27	Air valve bushing
28	HVLP79.28	Air valve
29	HVLP79.29	Spring
30	HVLP79.30	Gasket
31	HVLP79.31	Air pressure elbow
32	HVLP79.32	Steel ball
33	HVLP79.33	Spring
34	HVLP79.34	O-Ring
35	HVLP79.35	Air pressure plug
36	HVLP79.36	Packing
37	HVLP79.37	Packing screw
38	HVLP79.38	Gun body
39	HVLP79.39	Nipple
40	HVLP79.40	Air supply tube (Available only with item 51)
41	HVLP79.41	Fluid tube (Available only with item 51)
42	HVLP79.42	Yoke (Available only with item 51)
43	HVLP79.43	Cam (Available only with item 51)
44	HVLP79.44	Lid (Available only with item 51)
45	HVLP79.45	No-drip elbow assembly (Available only with item 51)
46	HVLP79.46	No-drip tube
47	HVLP79.47	Gasket
48	HVLP79.48	Locking washer
49	HVLP79.49	Nut
50	HVLP79.50	Cup
51	HVLP79.51	Lid assembly, contains items 40, 41, 42, 43, 44, 45 & 52
52	HVLP79.52	Adapter (Available only with item 51)
	HVLP79.Set.08	Set up, 0.8mm, contains items 1, 2, 3 & 15
	HVLP79.Set.10	Set up, 1.0mm, contains items 1, 2, 3 & 15
	HVLP79.Set.14	Set up, 1.4mm, contains items 1, 2, 3 & 15

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 responsibility 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 name and address, including postcode.

Sole UK Distributor,
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01284 757500

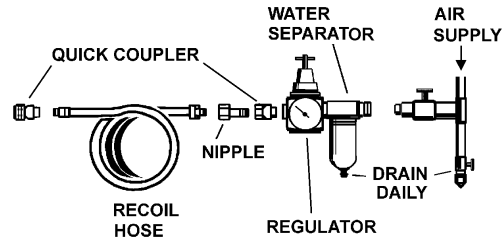
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3. AIR SUPPLY

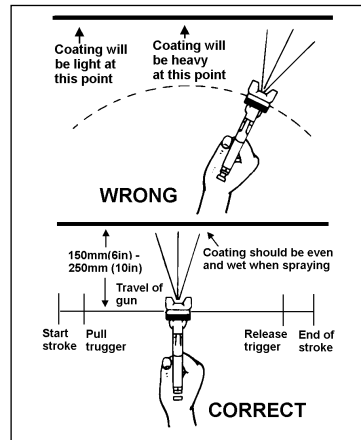
Recommended supply system is shown below.

- 3.1. Ensure that the spray gun trigger is in the "off" position before connecting to the air supply.
- 3.2. You will require an air pressure between 50 and 75psi, and an air flow according to the specification.
- ☐ **WARNING!** Ensure that the air supply is clean and does not exceed 75psi while operating the spray gun. Too high an air pressure and/or unclean air will shorten the product life, due to excessive wear, and may cause damage and/or personal injury.
- 3.3. Drain the air tank daily. Water in the air line will damage the spray gun and **invalidate your warranty**.
- 3.4. Clean compressor air inlet filter weekly.
- 3.5. 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.
- 3.6. Keep hose away from heat, oil and sharp edges. Check hoses for wear, and make certain that all connections are secure.



4. OPERATING INSTRUCTIONS

- 4.1. 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 more accurate control of the gun and the material (see right).
- 4.2. Spray from a distance of 6 to 10 inches, depending on the material and the atomizing pressure. The material deposited should always be even and wet. Each stroke must overlap the preceding stroke to obtain a uniform finish. To reduce over-spray and obtain maximum efficiency, spray with the lowest possible atomizing air pressure.
- 4.3. Controlling the fluid and the fan spray:
 - a) As the width of the spray is altered so the fluid flow must be adjusted to maintain the same coverage. Use the fluid control screw ('C' in Section 6).
 - b) The direction of the fan spray, either horizontal or vertical, is adjusted by turning the air cap to the desired position and then tightening the retaining ring.



5. MAINTENANCE & CLEANING

Disconnect from the air supply before attempting any maintenance or cleaning. When reassembling after maintenance, be sure to take care when screwing parts together. At first screw parts hand tight to avoid cross-threading. If a part cannot easily be turned by hand, check that you have the correct part, or unscrew, realign and try again. **DO NOT** use excessive force when reassembling.

5.1. Spray gun

- 5.1.1. Immerse the *front end of the gun only* in solvent until the solvent just covers the fluid connection.
- 5.1.2. Use a bristle brush and solvent to wash off accumulated paint.



- 5.1.3. Do not immerse the entire gun in solvent. This will cause lubricants to dissolve and packing to dry out. Dirty solvent may also clog the narrow passages in the gun.
- 5.1.4. Wipe the outside of the gun with a dampened solvent rag.
- 5.1.5. Lubricate the gun daily with a light machine oil. Be sure to lubricate the fluid needle packing, air valve packing, side port control packing and trigger pivot point. Do not use lubricants containing silicone.
- 5.1.6. When finished spraying, flush the gun through with clean thinners.
- 5.2. Air nozzle, fluid nozzle and needle assembly**
- 5.2.1. To clean the nozzles, soak them in solvent to dissolve any dried material then blow them clean with air. Handle all nozzles carefully and do not make any alterations in the gun.
- 5.2.2. If you need to probe the holes in the nozzles, be sure to use a tool that is softer than brass; do not use metal instruments.
- 5.2.3. Adjust the fluid needle valve so that when the gun is triggered, air flow occurs before fluid flow.

6. TROUBLESHOOTING

THE PROBLEM	THE CAUSE	THE SOLUTION
<p>Poor atomization/heavy centre pattern</p>	Fluid flow is too high for the air pressure and flow	<ol style="list-style-type: none"> 1. Increase air pressure by adjusting regulator (A) and increase flow adjusting regulator (B). 2. Reduce paint flow with regulator (C). 3. Paint may be too thick. If so, dilute it.
<p>Heavy atomization, poor centre pattern</p>	Air pressure and flow too high for fluid flow	<ol style="list-style-type: none"> 1. Reduce air pressure by adjusting regulator (A). 2. Reduce air flow by adjusting regulator (B) and increase fluid flow with regulator (C).
<p>Intermittent spray pattern</p>	Air entering the fluid supply	<ol style="list-style-type: none"> 1. Tighten the connection between the gun and the cup. 2. Tighten fluid nozzle with gun spanner. 3. Check if cup vent hole is blocked. 4. Check if cup is empty.
<p>Heavy right or left side pattern</p>	Horn hole (A) blocked. In order to check, turn the air cap 180°, if the faulty pattern is now upside down the hole must be cleaned.	<ol style="list-style-type: none"> 1. Place the air cap in solvent. 2. Clean hole with compressed air or with a wooden toothpick. DO NOT use a metal probe which will damage the hole.
<p>Top heavy or bottom heavy pattern</p>	Possible paint build-up between fluid nozzle and air cap (A).	<ol style="list-style-type: none"> 1. Clean the air cap and the fluid nozzle, check that they match. 2. Check needle for damage.