

**HVLP SPRAY GUN**

**STOCK No.54436/54437. PART No.HVLP2/HVLP3.**

Operating air pressure .....22 to 38psi/1.5-2.6 bar  
 Air consumption.....14-17cfm  
 Air inlet.....1/4" BSP  
 Cup capacity: HVLP2 .....1 Litre  
                   HVLP3 .....600cc  
 Nozzle: HVLP2.....1.9mm  
           HVLP3.....1.5mm  
 Weight: HVLP2.....1048g.  
           HVLP3.....762g.

We Draper Tools Ltd. Declare under our sole responsibility that the product:  
**Part No:- HVLP2/HVLP3. Stock No:- 54436/54437.**  
**Description:- Spray gun.**  
 To which this declaration relates is in conformity with the following directive(s):-  
 89/392/EEC, 91/368/EEC, 93/44/EEC and 93/68/EEC.  
 With reference to EN414 (point 8), EN292.1(4.9), EN292.2(3.6).

*John Draper*  
**J.N. DRAPER**  
 Managing Director

10/97

**IMPORTANT:**  
**PLEASE READ THESE INSTRUCTIONS CAREFULLY TO ENSURE THE SAFE AND EFFECTIVE USE OF THIS TOOL.**

This spray gun is manufactured from quality materials and carefully checked by the manufacturer before its despatch. To get the best from this quality product read the following instructions carefully before operating your spray gun.

- It is advisable to lubricate the needle with oil at the beginning of the working day. The operation is quite simple and it increases its durability and working order.
- Never remove nozzle No.2 with universal pliers, only use the hexagonal wrench, take care not to damage the nozzle.
- The ideal working pressure is stated in the above specification table. It can vary though, according to the density of the paint.

**NOTE: Maximum operating pressure 38psi (2.6 bar).**

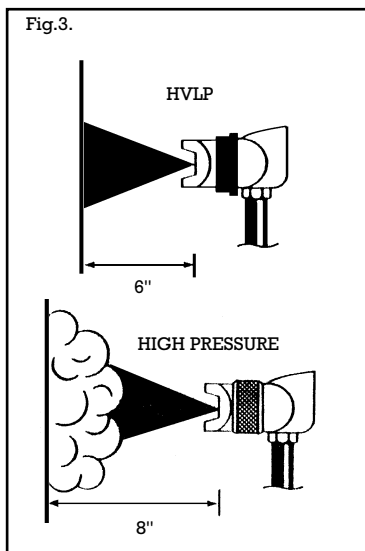
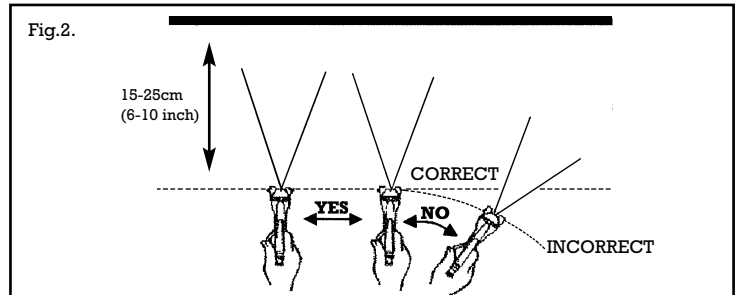
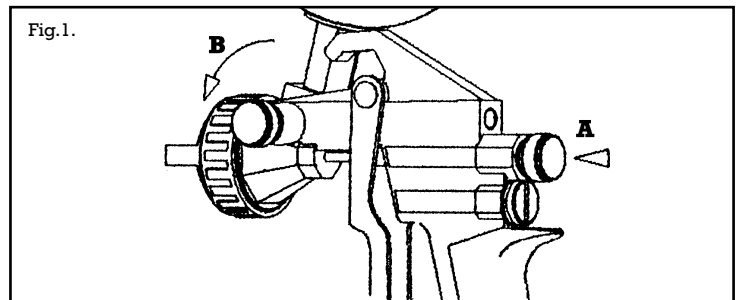
**OPERATION**

Connect the painting cup complete with material. Before operating ensure the air pressure and material to be sprayed is suitable for this product. Do not connect air hose until you are absolutely ready to begin work.

- The paint quantity sprayed maybe increased or decreased using the fluid control knob (A), Fig.1.
- The spray pattern maybe adjusted from a round pattern to a fan pattern turning the knob (B), Fig.1 left or right. For the fan pattern the operating pressure may have to be increased slightly.
- Hold the gun at a right angle to the working surface and move it parallel.
- Keep the gun about 6-10 inches away from the surface (depending on the material and operating pressure), see Fig.2.
- Start the stroke before squeezing trigger and release it just after ending the stroke.
- Always keep the material deposited even and wet.
- Operate at the correct air pressure for a fine finish and safe performance. Never exceed the maximum operating pressure.

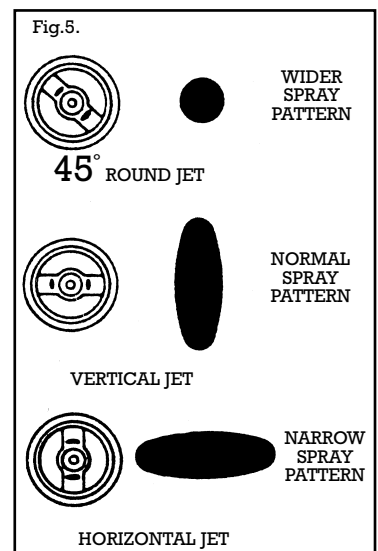
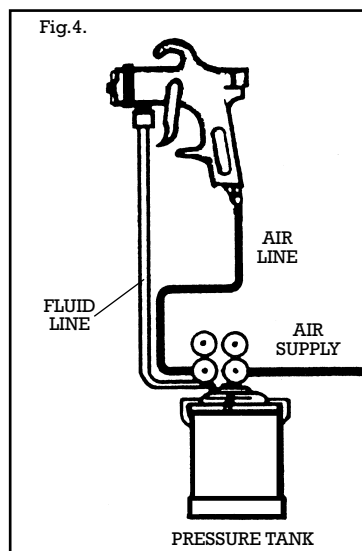
**WARNING WHEN SPRAYING:**

- Do not spray in enclosed areas and maintain good ventilation.
- Never spray close to or in the proximity of a naked flame.
- Always use suitable eye protection.
- Wear an appropriate face mask.



**WHY USE HVLP ?**

HVLP (High Volume Low Pressure) spraying equipment has been developed as a result of the introduction of the Environmental Protection Act 1990. This legislation is aimed at cutting solvent emissions produced from both commercial and car refinish products. HVLP equipment uses less air (less the 10psi, 0.69 bar at the air cap), but with a higher throughput resulting in more paint staying on the workpiece and less being released into the atmosphere. With traditional spray guns there is a tendency for the atomized paint and solvent to bounce off the workpiece and pollute the atmosphere.



**HOW TO CLEAN YOUR SPRAY GUN:**

1. Clean the spray gun immediately after each use.
2. Do not damage the air cap, fluid nozzle or fluid needle.
3. Use a bristle brush with thinners to clean the air cap, fluid nozzle, and the other parts. Never soak the gun completely, only put the front end of the gun, into the thinner to avoid possible damage to the gun.
4. Clean parts thoroughly ensuring removal of all dust and dried material.
5. Empty cup of paint and clean cup with thinners. Then fill cup with thinners, spray thinners to thoroughly flush out passage-ways.

Draper air tools have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for 6 months from the date of purchase except where tools are hired out when the guarantee period is reduced to ninety days from the date of purchase.

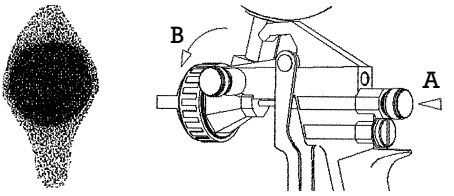
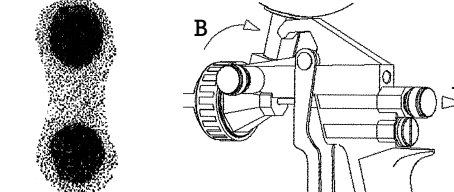
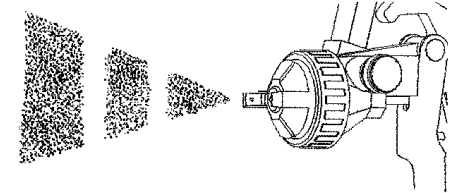
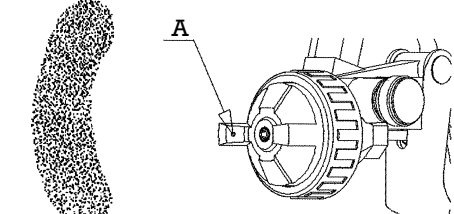
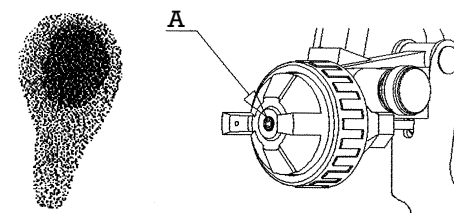
Should the machine develop any fault, please return the complete tool to your nearest authorized warranty repair agent or contact Draper Tools Limited, Chandler's Ford, Eastleigh, Hampshire, SO53 1YF. England. Telephone: (01703) 266355.

If, upon inspection it is found that the fault occurring is due to defective materials or workmanship, repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accident, or repairs attempted or made by any persons other than the authorized Draper warranty repair agent.

This guarantee applies in lieu of any other guarantee expressed or implied and variations of its terms are not authorized.

Your Draper guarantee is not effective unless you can produce upon request a dated receipt or invoice to verify your proof of purchase within the guarantee period.

Please note that this guarantee is an additional benefit and does not affect your statutory rights.

TROUBLES	CAUSES	REMEDIES
<p>Poor atomisation and heavy centre pattern.</p> 	<p>Fluid flow is too high for the pressure and air quantity.</p>	<ul style="list-style-type: none"> <li>• Increase air quantity adjusting regulator (B). Reduce paint flow with regulator (A).</li> <li>• Paint could be too thick, in this case it is necessary to dilute it.</li> </ul>
<p>Heavy atomisation poor centre pattern.</p> 	<p>Air pressure and air quantity too high for paint flow.</p>	<ul style="list-style-type: none"> <li>• Reduce air quantity adjusting regulator (B) and increase fluid flow with regulator (A).</li> </ul>
<p>Intermittent spray pattern.</p> 	<p>Air entering the fluid supply.</p>	<ul style="list-style-type: none"> <li>• Tighten fluid nozzle with gun spanner.</li> <li>• <b>Check if exhausting hole of the paint cup is blocked.</b></li> <li>• Check if pot is empty.</li> </ul>
<p>Heavy right or left side pattern.</p> 	<p>One of the horn holes can be blocked (A). In order to check it, turn the air cap 180°, if the faulty pattern is now upside down the hole must be cleaned.</p>	<ul style="list-style-type: none"> <li>• Place the air cap in solvent.</li> <li>• Clean the holes with compressed air or with a wooden toothpick.</li> <li>• Do not use a metal probe which will damage the holes.</li> </ul>
<p>Top heavy or bottom heavy pattern.</p> 	<p>Possible paint build-up between fluid nozzle and air cap.</p>	<ul style="list-style-type: none"> <li>• Clean the air cap and the fluid nozzle, check also if they match correctly.</li> <li>• Check needle for damage.</li> </ul>

**POWER DIVISION HELP LINE**  
**01703 494344**