



## SUCTION FEED SPRAY GUNS

### 1.7, 2.0, 2.5MM SET UP

MODEL NO: **S717, S720, S725**

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  
instruction  
manual



Wear eye  
protection



Wear respiratory  
protection when  
spraying isocyanate



Wear protective  
gloves



Wear protective  
clothing



Wear face  
mask

## 1. SAFETY

- ✓ 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 authorised 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.
- ✓ 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.
- ✓ The spray gun has been treated with an anti-corrosive agent at the factory and **MUST** be flushed out thoroughly with thinners before use.
- ✗ **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 70psi.
- ✗ **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.
- ✓ When not in use, disconnect the spray gun from the air supply, clean thoroughly and store safely.

## 2. INTRODUCTION

Suction feed spray guns, ideal for automotive refinishing. 2-Stage trigger control. Adjustable spray width and fluid flow. Maintenance tools supplied. Available in three standard set-up sizes; 1.7, 2 and 2.5mm, each finished in a different colour for easy identification. Supplied with 1000ml aluminium cup.

## 3. SPECIFICATION

MODEL NO.	S717	S720	S725
Air Consumption	3-4cfm	3-4cfm	3-4cfm
Available Set-Up(s):	2, 2.5mm	1.7, 2.5mm	1.7, 2mm
Pot Capacity:	1000ml	1000ml	1000ml
Recommended Air Pressure:	57psi	57psi	57psi
Standard Set-Up:	1.7mm	2mm	2.5mm

## 4. AIR SUPPLY

- 4.1. For recommended hook-up, see fig.1. Ensure the air valve is in the "off" position before connecting to the air supply.
- 4.2. You will require an air supply capable of providing a pressure 60psi and an air volume of 11cfm to operate the gun.
- WARNING! Ensure the air supply is clean and is regulated to a maximum of 60psi. Too high an air pressure and unclean air will shorten the life of the gun due to excessive wear and may be dangerous, causing damage and/or personal injury.**
- 4.3. Drain the air supply tank and pressure regulator daily. Water in the air line will damage the gun and contaminate the paint.
- 4.4. Clean the compressor air inlet filter weekly.
- 4.5. Line pressure should be increased to compensate for unusually long air hoses (over 8 metres). The minimum hose diameter should be 10mm (3/8") I.D. and fittings must have the same inside dimensions.
- 4.6. Keep hose away from heat, oil and sharp edges. Check hoses for wear, and make certain that all connections are secure.

#### 4.7. COUPLINGS

Vibration may cause failure if a quick change coupling is connected directly to the spray gun. To overcome this, connect a leader hose to the spray gun. A quick change coupling may then be used to connect the leader hose to the air line recoil hose (figs.1 and 2).

FIG.1

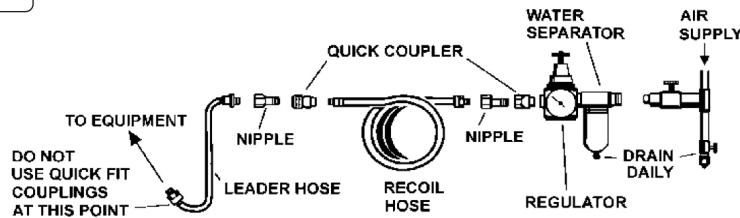
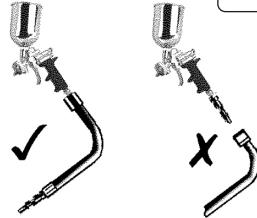


FIG.2



## 5. OPERATION

- 5.1. Ensure that you have read and understood the Safety Instructions in Section 1.
- 5.2. For best results the gun must be handled and operated 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 enable you to accurately control the gun and paint, fig. 3.
- 5.3. Spray from a distance of about 150 (6") to 250mm (10") depending on the material and the atomizing pressure. The paint 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 effective atomizing air pressure.
- 5.4. Controlling the fan spray and the paint:
  - a) Use the paint control knob, fig.4.A to increase or decrease the paint flow.
  - b) Fig. 4.B is the air input control and should be set to the lowest effective flow.
  - c) Turn the air cup, fig.5.1 to achieve a horizontal or vertical fan spray. Lock the cup with retaining ring, fig.5.2.
  - d) In normal operation, the wings on the cup are horizontal as fig.5. This provides a vertical fan-shaped pattern, fig.6 which gives the optimum coverage when moving the gun back and forth, parallel to the work surface.
  - e) The spray pattern is variable from round to flat with patterns in between, controlled by the pattern knob, fig.4.C.

## 6. CLEANING

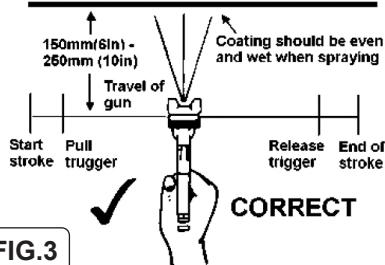
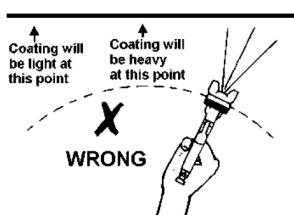


FIG.3

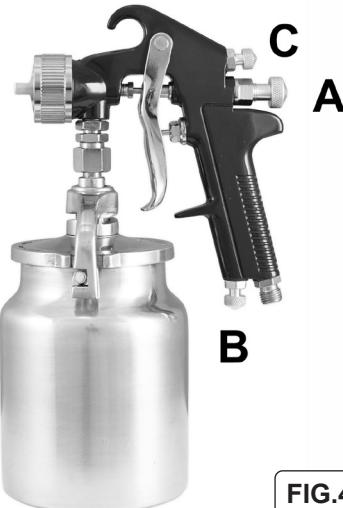


FIG.4

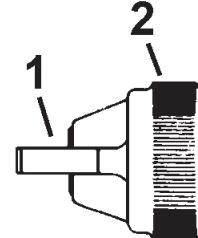


FIG.5

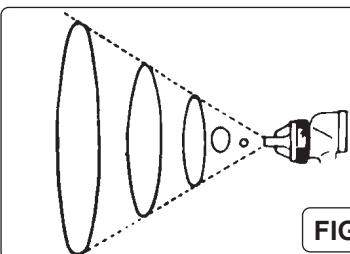


FIG.6

### IMPORTANT: ENSURE THE GUN IS CLEANED AFTER EACH USE.

- 6.1. Disconnect from the air supply before attempting any cleaning, other than flushing, or maintenance.
- 6.2. **CLEANING THE GUN**
  - 6.2.1. Clear out pot with clean solvent.
  - 6.2.2. Flush the gun thoroughly with solvent and clean the nozzle with solvent and a brush. **DO NOT** immerse/soak the nozzle in solvent.  
✗ **DO NOT** immerse the entire gun in solvent. This will cause lubricants to dissolve and packing to dissolve or dry out.
  - 6.2.3. Wipe the outside of the gun with a solvent-dampened rag.
  - 6.2.4. If you need to clear blocked orifices, only use a non metallic probe that is softer than brass.

## 7. MAINTENANCE

- 7.2.1. Lubricate the gun daily with a light machine oil. Be sure to lubricate the fluid needle packing, air valve packing and trigger pivot point. If you change the nozzle size, ensure the complete nozzle set is exchanged. Insert paint nozzle before putting the paint needle in.  
**NOTE:** Take care when re-assembling. 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 re-assembling.

## 8. TROUBLESHOOTING

8.1. A faulty spray is usually caused by improper cleaning or dried material around the fluid nozzle tip or in the air cup - use a brush and solvent to remove. Never use metal instruments to clean the air cup or paint nozzle. These parts are carefully machined and any damage to them will cause a faulty spray. If either the air cup or paint nozzle is damaged, the part must be replaced before a perfect spray can be obtained.

PROBLEM	POSSIBLE CAUSE	SOLUTION
	Dried material in a dirty side port restricts passage of air. Greater flow of air from the cleaner side port forces the fan pattern in the direction of the clogged side.	Dissolve material in the side ports with solvent, then blow the gun clean. Do not poke the orifice with a metal instrument.
	Dried material around the outside of the fluid nozzle tip restricts the passage of atomizing air at one point through the centre opening of the air cup and results in the pattern shown. This pattern can also be caused by a loose air cup.	Remove the air cup and wipe off fluid tip using a rag dampened with solvent. Tighten the air cup.
	A split spray or one that is heavy at each end of the fan pattern and weak in the middle is usually caused by too high an atomization air pressure or by attempting to get too wide a spray with thin paint.	Check supply pressure and reduce if over 50psi. Adjust the air atomisation valve to reduce pressure and adjust paint needle if required. Check spray pattern on a test panel.
	Worn needle packing permits air to get into the fluid passageway. This results in spitting. Dirt between the paint nozzle seat and body or a loose paint nozzle will cause the gun to spit. A loose or defective joint between the pot and gun can cause spitting.	Tighten the packing screw or, in severe cases, replace the packing. Remove the fluid nozzle, clean the back of the nozzle and the nozzle seat in the gun body using a rag dampened with solvent. Tighten or replace.

Parts support is available for these products. Please email [sales@sealey.co.uk](mailto:sales@sealey.co.uk) or telephone 01284 757500



### 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.



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**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 is required for any claim.

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