

STARTINGLINE

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OPERATION MANUAL

CE  II 2 G X

SLG-620 GRAVITY FEED SPRAYGUN

ATTENTION!

READ THIS MANUAL BEFORE ATTACHING THE AIR HOSE



SAFETY WARNINGS

Fire and explosion



Solvents and coating materials can be highly flammable or combustible when sprayed. ALWAYS refer to the coating material supplier's instructions and COSHH sheets before using this equipment.



Users must comply with all local and national codes of practice and insurance company requirements governing ventilation, fire precautions, operation and house-keeping of working areas.



This equipment, as supplied, is NOT suitable for use with Halogenated Hydrocarbons.



Static electricity can be generated by fluid and/or air passing through hoses, by the spraying process and by cleaning non-conductive parts with cloths. To prevent ignition sources from static discharges, earth continuity must be maintained to the spray gun and other metallic equipment used. It is essential to use conductive air and/or fluid hoses.

Personal Protective Equipment



Toxic vapours – When sprayed, certain materials may be poisonous, create irritation or be otherwise harmful to health. Always read all labels, safety data sheets and follow any recommendations for the material before spraying. If in doubt, contact your material supplier.



The use of respiratory protective equipment is recommended at all times. The type of equipment must be compatible with the material being sprayed.



Always wear eye protection when spraying or cleaning the spray gun.



Gloves must be worn when spraying or cleaning the equipment.



Training – Personnel should be given adequate training in the safe use of spraying equipment.

Misuse

Never aim a spray gun at any part of the body.

Never exceed the maximum recommended safe working pressure for the equipment.

The fitting of non-recommended or non-original spares may create hazards.

Before cleaning or maintenance, all pressure must be isolated and relieved from the equipment.

The product should be cleaned using a gun-washing machine, and should be removed and dried immediately after cleaning is completed. Prolonged exposure to cleaning solutions can cause damage to the product.

Noise Levels



The A-weighted sound level of spray guns may exceed 85 dB (A) depending on the set-up being used. Details of actual noise levels are available on request. It is recommended that ear protection is worn at all times when spraying.

Operating

Spray equipment using high pressures may be subject to recoil forces. Under certain circumstances, such forces could result in repetitive strain injury to the operator.

ATTENTION!

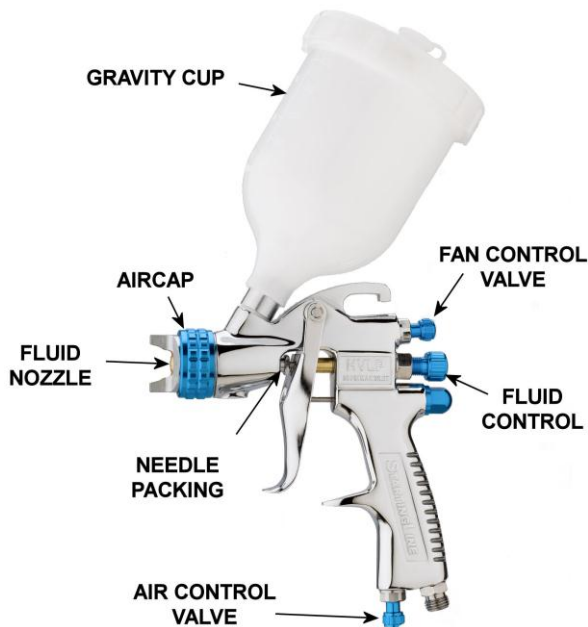
READ BEFORE ATTACHING THE AIR HOSE

SET-UP AND ADJUSTMENT INSTRUCTIONS

1. Attach Cup to Gun and flush through with cleaning solvent to remove oils.
2. Adjust packing nut (see packing adjustment instructions).
3. Fully open fan and fluid needle controls (turn counter-clockwise).
4. If desired, attach air adjusting valve with gauge and/or quick disconnect to air inlet, then attach hose. Recommended air pressure 2 bar (29 psi).
5. Spray test and adjust air pressure, fan size and fluid flow as required. Recommended spray distance 6 – 8 inches (150—200mm).
6. Do not exceed maximum pressure of 4 bar (60psi) for air pressure.
7. Ensure materials to be sprayed are compatible with this spray gun.

WARNING

A failure resulting in injury or damage may be caused by pressure exceeding the maximum air or fluid pressure, excessive vibration or pressure pulsation, excessive temperature, corrosion of the pressure containing parts or other misuse of this spray gun.



PACKING ADJUSTMENT INSTRUCTIONS

Before using this spray gun, the packing nut should be adjusted as follows;

1. Tighten packing nut until fluid needle starts to bind in the packing.
2. Loosen packing nut just enough so the fluid needle moves freely.

The packing nut is intentionally left loose so the PTFE packing does not take a “set” before the spray gun is used. This allows full utilisation of the packing.

OPERATION

1. Spray test an area. Turn the fluid needle adjusting knob counter clockwise until a full coat is obtained.
2. If the finish is too sandy and dry, the material flow may be too low for the atomising air pressure being used. Turn the fluid needle adjusting knob counter clockwise (out) to increase the fluid flow.
3. If the finish sags there is too much material flowing for the atomisation air pressure being used. Turn the fluid needle adjusting screw clockwise (in) to decrease the fluid flow.
4. The pattern width can be altered by turning the fan control clockwise (in) to decrease the width or counter clockwise to increase the width.
5. Adjust the inlet air pressure to provide a uniform dispersion of atomised paint throughout the pattern. Keep the air pressure as low as possible to minimise bounce-back and overspray. Excessive pressure will result in split spray patterns. **Inadequate pressure will cause heavy centred patterns and poor atomisation.**

CLEANING

1. For routine cleaning, it is not necessary to remove cup from gun. Remove lid and properly dispose of any excess paint. Pour in a small amount of clean solvent. The amount will vary with different coatings and solvents. Reinstall lid. Shake cup to wash down the inside surfaces. Pull trigger to allow some solvent to be flushed through gun. Remove lid and pour out dirty solvent. Add a small amount of clean solvent and repeat procedure. Wipe exterior of lid with a clean cloth and clean solvent.
2. If a paint filter was used in the bottom of the cup outlet, it should be removed and cleaned at this time.

3. To clean air cap and fluid tip, brush exterior with a stiff bristle brush. If necessary to clean cap holes, use a broom straw or toothpick if possible. If a wire or hard instrument is used, extreme care must be used to prevent scratching or burring of the holes which will cause a distorted spray pattern.

4. To clean fluid passages, remove excess material at source, then flush with a suitable solvent. Wipe gun exterior with a solvent dampened cloth. Never completely immerse in solvent as this is detrimental to the lubricants and packings.

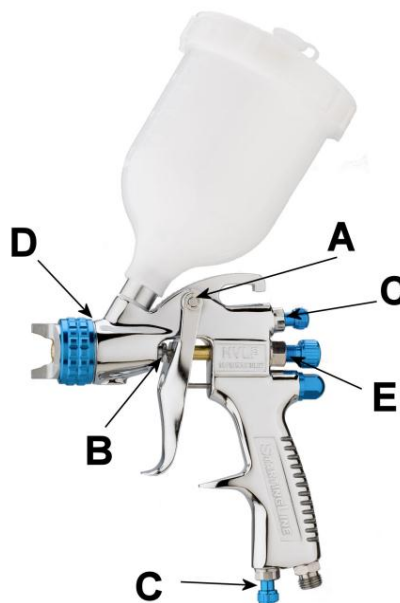
PREVENTATIVE MAINTENANCE

Spray Gun Lubrication

1. Apply a drop of GL-1 spray gun lube at trigger bearing stud and the stem of the air valve. The shank of the fluid needle where it enters the packing nut should also be oiled. The fluid needle packing should be kept soft and pliable by periodic lubrication.
2. Make sure the baffle and retaining ring threads are clean and free of foreign matter. Before assembling retaining ring to baffle, clean the threads thoroughly, then add two drops of GL-1 spray gun

- lube to threads.
3. The fluid needle spring and air valve spring should be coated with a light grease, making sure that any excess grease will not clog the air passages. For best results, lubricate the points indicated, daily.
- A. Trigger Points
 - B. Packing
 - C. Adjusting Valves
 - D. Baffle/Air Cap Threads
 - E. Needle adjusting knob and spring (inside knob)

SPARE PARTS	
PART No	DESCRIPTION
SLG-110-1318	AIR CAP, for 1.3 & 1.8
SLG-110-25	AIR CAP, for 2.5
SLG-210-XX	FLUID TIP, 1.3, 1.8 or 2.5
SLG-310-XX	NEEDLE, 1.3, 1.8 or 2.5
SLG-40	NEEDLE PACKING
SLG-401	FAN CONTROL
SLG-402	AIR ADJUSTING VALVE
SLG-450	GRAVITY CUP AND LID



EC Declaration of Conformity

We, Finishing Brands UK Limited, Ringwood Rd, Bournemouth, Dorset, BH11 9LH, UK, as the manufacturer of the Spray gun model SLG, declare, under our sole responsibility that the equipment to which this document relates is in conformity with the following standards or other normative documents:

BS EN 12100:2010 and BS EN 1953:2013; and thereby conform to the protection requirements of Council Directive 2006/42/EC relating to Machinery Safety Directive, and; EN 13463-1:2009, council Directive 94/9/EC relating to Equipment and Protective Systems intended for use in Potentially Explosive Atmospheres protection level II 2 G X.

D. Smith, General Manager
28th February 2014

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