

# AIR SPRAY GUN GRAVITY FEED HD



**BLACKRIDGE**

Manufactured and packaged for SRGS  
PTY LTD ABN 23 113 230 050  
751 Gympie Road, Lawnton, Queensland 4501, Australia

# AIR SPRAY GUN GRAVITY FEED HD



**INSTRUCTION  
MANUAL**

**BLACKRIDGE**

PLU 572926

## WARRANTY

Our product is guaranteed to be free from quality and manufacturing defects for a period of 12 months.

If your product becomes defective during this period, SRGS PTY LTD will offer you either a replacement, credit or refund where a product is faulty; wrongly described; different from the sample shown to you or do not do what they are supposed to do.

This warranty will not cover substantially modified product; misuse or abuse of the product contrary to user instructions or packaging label; change of mind and normal wear and tear.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and failure does not amount to a major failure.

To claim the warranty, take the product to the front Service Desk of your nearest store of purchase. You will need to show receipt or other proof of purchase. Additional information may be required to process your claim. Should you not be able to provide proof of purchase with a receipt or bank statement, identification showing name, address and signature may be required to process your claim.

Any expenses relating to the return of your product to the store will normally have to be paid by you. For online store purchases, SRGS PTY LTD will pay for the return freight for any product assessed as having a major failure.

The benefits to the customer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods or services to which this warranty relates.

This warranty is provided by SRGS PTY LTD, 751 Gympie Road, Lawnton, QLD 4501, Australia. Phone: 1300 175 010.

## ILLUSTRATION



THE BLACKRIDGE Professional Gravity Feed Spray Gun is designed to be lightweight, stylish, comfortable, compact, easy to operate, and to provide a superior finish while saving paint at the same time. This gun is suited to automotive, furniture, machinery, house, and building painting applications.

## TECHNICAL DATA

Model: RF801AG

Type of feed: Gravity

Material Fluid Nozzle Diameter: 1.3mm

Recommended Operating Pressure: 36 PSI

Average Air Consumption: 100 LPM

Fluid Delivery: 0.15 - 0.23 LPM

Painting Fan: 170 - 250mm (at distance of 20cm)

Cup Size: 600ml

Air Inlet: 1/4"

## WARNING

### Fire or explosion hazard:

- Fluid and solvents can be highly flammable or combustible:
  - Use in a well ventilated spray booth.
  - Avoid any ignition sources such as smoking, open flames, electrical hazard, etc.
- Never use halogenated hydrocarbon solvents (1.1.1 trichloride, ethyl chloride, etc.) which can chemically react with aluminum and zinc parts and cause an explosion.
  - Be sure that all fluids and solvents used are chemically compatible with aluminum and zinc parts.
- To reduce the risk of static sparking, grounding continuity to the spray equipment and object being sprayed must be maintained.

### Misuse hazard:

- Never point the gun in the direction of a human body.
- Never exceed the maximum safe working pressure of the equipment.
- Always release air and fluid pressure before cleaning, disassembling or servicing.
- For emergency stop and prevention of unintended operation, a ball valve installation near the gun to stop the air supply is recommended.

### Hazard created while coating material is atomised and sprayed:

- Toxic vapours produced by spraying certain materials can create intoxication and serious damage to health.
  - Use the gun in well-ventilated areas.
  - Always wear protective eyewear, gloves, respirator, etc. to prevent the toxic vapour, solvents and paint from coming into contact with your eyes or skin.
- Noise level mentioned in main specifications was measured at 1m behind the tip of the gun, 1.6m high from floor.
  - Wear earplugs if required.

### Other hazards:

- Never modify this product for any application.
- Never spray foods or dangerous chemicals through the spray gun.

## OPERATION

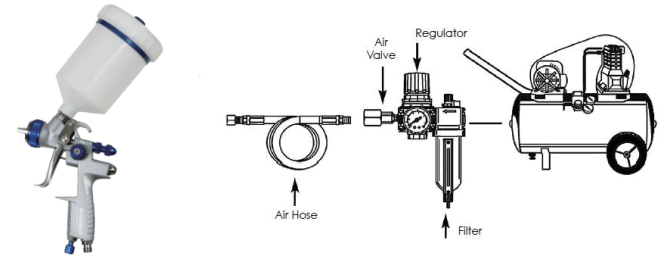
### Preparation before operating:

- Check and replace any damaged or worn parts.
- Make sure the nozzle and air trigger are free to operate correctly.
- Attach paint cup to the spray gun.
- Pour paint into the paint cup and screw on lid securely.

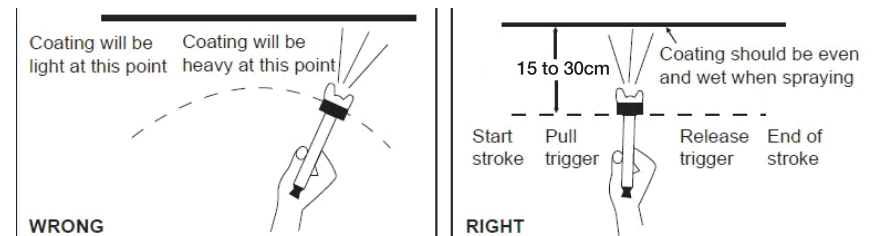
**WARNING:** When filling or refilling the material, disconnect your gun from the air supply to avoid accidental spillage or spraying.

### Operating:

**Recommended air line components** (for best results you should incorporate an air regulator with filter).



- Connect the air source hose to the gun. Make sure the air pressure does not exceed 36 PSI.
- Pull the trigger slowly and move the spray gun in parallel strokes to the object being painted. Keep the appropriate distance of 15 - 30cm between the gun and the spraying area. This may differ slightly depending on the flow adjustment and the material being sprayed.
- Release the trigger after each forward movement; pull the trigger again on the return movement.
- When using a vertical pattern, move the spray gun in a horizontal motion; with a horizontal pattern move the spray gun in a vertical motion. A round pattern requires a greater distance from the object being painted.



- When finished, release the trigger and disconnect from the air source. The cup and spray gun may still hold air pressure; fire the spray gun toward scrap material until all of the pressure is exhausted. Open the vent before removing the lid to make sure there is no remaining pressure.

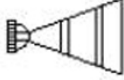


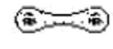

## MAINTENANCE

### WARNING:

- Turn off air and coating materials to the gun and release pressure by triggering the gun before disassembling, cleaning or servicing.
- Be careful when disassembling the spray gun it contains sharp parts.
- If unsure, please take the spray gun to a qualified technician for repair.
- Pour remaining paint into another container and then clean the paint passages and air nozzle. Spray a small amount of thinner to clean paint passages, incomplete cleaning will cause adverse pattern shape and particles. Always clean spray guns thoroughly, immediately after use.
- Clean other sections with a brush soaked with thinner and waste cloth.
- Clean paint passage fully before disassembly.
- Remove fluid nozzle after removing fluid needle set or while keeping fluid needle pulled in order to protect seat section.

**CAUTION:** Never use non-standard parts to repair the gun. Never use wire or other hard objects to clear the nozzle and clean the fluid needle. This will cause damage to the components. Never immerse the whole gun into liquid such as thinner. Never damage holes of air nozzle, fluid nozzle and fluid needle.

## TROUBLESHOOTING

SPRAY PATTERN	REASON	SOLUTION
 Ring or Fluttering	Air enters between the fluid nozzle and tapered seat of the gun body.	Remove the fluid nozzle and clean the seat. Replace if damaged.
	Air enters near the needle sealing nut.	Tighten the needle sealing nut.
	Air enters between material passage connector and cup.	Assemble and tighten the relative parts again after cleaning.
 Crescent	Paint build up on air nozzle partially clogs horn holes. Air pressure from each horn is different.	Remove obstructions from horn holes. Do not use metal objects to clean horn holes.
 Inclined	Paint build up on the periphery of the fluid nozzle hole or centre hole of air nozzle damaged.	Remove obstructions or replace if necessary.
	Loose fluid nozzle.	Remove fluid nozzle, clean and replace.
 Split	Paint viscosity too low.	Add paint to increase viscosity.
	Fluid output too high.	Adjust the fluid adjustment knob or pattern adjustment knob.
 Heavy	Paint viscosity too high.	Add thinner to reduce viscosity.
	Fluid output too low.	Adjust the spray adjustment valve to allow more fluid output.

