

ITEM # PSG1Q

Paint Spray Gun

Assembly & Operating Instructions



READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING THIS PRODUCT.

This manual provides important information on proper operation & maintenance. Every effort has been made to ensure the accuracy of this manual. These instructions are not meant to cover every possible condition and situation that may occur. **We reserve the right to change this product at any time without prior notice.**

IF THERE IS ANY QUESTION ABOUT A CONDITION BEING SAFE OR UNSAFE, DO NOT OPERATE THIS PRODUCT!

HAVE QUESTIONS OR PROBLEMS? CONTACT CUSTOMER SERVICE.

If you experience a problem or need parts for this product, visit our website <http://www.buffalotools.com> or call our customer help line at **1-636-532-9888**, Monday-Friday, 8 AM - 4 PM Central Time. A copy of the sales receipt is required.

FOR CONSUMER USE ONLY – NOT FOR PROFESSIONAL USE.

KEEP THIS MANUAL, SALES RECEIPT & APPLICABLE WARRANTY FOR FUTURE REFERENCE.

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RECOGNIZE SAFETY SYMBOLS, WORDS & LABELS



This is a safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death. WARNING indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.



READ AND UNDERSTAND ALL INSTRUCTIONS. Failure to follow all instructions may result in electric shock, fire and/or serious personal injury.

WHAT YOU NEED TO KNOW ABOUT SAFETY INSTRUCTIONS

The warning and safety instructions appearing in this manual are not meant to cover all possible conditions and situations that may occur. Common sense, caution and care must be exercised when operating or cleaning tools and equipment. Always contact your dealer, distributor, service agent or manufacturer about problems or conditions you do not understand before operating the product.

GENERAL PRODUCT SPECIFICATIONS

FEATURES

- Suction Type
- For Auto Body & Industrial Use

PACKAGE CONTENTS

Paint Spray Gun
Aluminum Paint Cup

SPECIFICATIONS

- Nozzle Size 1.8mm
- Paint Cup Capacity 1 Qt.
- Air Inlet 1/4-Inch NPT
- Air Consumption 2.5-4.0 CFM
- Max. Air Pressure 50-70 PSI

Use for oil-based products only, not latex.

COMPONENTS

Observe the locations and functions of the various components and controls of this tool.

- 1) Air Cap Set
- 2) Aluminum Paint Cup
- 3) Air Inlet
- 4) Fluid Control Knob
- 5) Pattern Control Knob
- 6) Trigger



IMPORTANT SAFETY RULES

COMMON SENSE AND CAUTION ARE FACTORS WHICH CANNOT BE BUILT INTO ANY PRODUCT. THESE FACTORS MUST BE SUPPLIED BY THE OPERATOR.

WARNING

Keep the work area clean and well lit. A cluttered work area may cause accidents. Never use this spray gun near flammable liquids or gasses.
Never allow children to use this product without responsible adult supervision. When operating this spray gun, keep children at a safe distance from the work area.

WARNING

Use only clean, dry, regulated compressed air at the rated pressure or within the rated pressure range as marked on the tool. Always verify before use that the air source has been adjusted to the rated pressure or within the rated air pressure range.
Never use oxygen, carbon dioxide, combustible gasses or any bottled gas as an air source for this tool. Such gasses are capable of explosion and may cause serious injury to persons.
Do not spray hazardous materials with this spray gun. Spraying corrosives, toxic chemicals, pesticides, fertilizers, and acids may lead to serious injury or even death.
Do not spray near an open flame, pilot light, stoves, heaters, and the air compressor itself or any ignition source.
Always wear a mask that is designed to filter out hazardous microscopic contaminants, always work in a well-ventilated area, and wear other approved safety equipment.
Do not smoke when using this spray gun. Many solvents and paints are combustible especially when used in a spray gun. Maintain at least a 20-foot distance from any ignition source and the spray gun. If possible, locate the compressor in another room.

WARNING

Never carry this spray gun by the hose. Keep the hose away from heat, oil and sharp edges. Replace a damaged hose before using the spray gun.

WARNING

Use clamps or other practical ways to secure and support the work piece. Holding the work piece by hand or against your body is unstable and may lead to loss of control.
Use masking and drop cloths to cover areas you do not want sprayed.
Do not force the tool. Use the correct tool for your application. The correct tool will do the job better and safer at the rate for which it is designed.
Do not use this tool if the trigger does not function properly. Any tool that cannot be turned “On” or “Off” using its trigger is dangerous and must be replaced.
Disconnect the spray gun from the air source before making any adjustments, changing accessories, or storing the tool. Such preventive safety measures reduce the risk of starting the tool accidentally.
Store idle tools out of the reach of children or other untrained persons. Tools are dangerous in the hands of untrained users.

IMPORTANT SAFETY RULES (CONTINUED)

WARNING

Do not depress the trigger while connecting this spray gun to an air source.

Protect air hoses from damage or puncture.

Never point this spray gun at another person. Serious injury can occur.

Check air hoses before and after use for weak or worn conditions. Make sure all connections are secure.

Release air pressure from the system before attempting to install, service, relocate or perform any maintenance on this spray gun.

WARNING

For your own safety, use only accessories recommended in this manual.

Service must be performed by qualified repair personnel. Service or maintenance performed by unqualified personnel could result in a risk of injury.

When servicing a tool, use only identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of electric shock or injury.

WARNING

Use common sense while operating this tool. Do not use this tool if you are:

- Feeling tired or are under the influence of drugs or alcohol.
- Wearing loose clothing or jewelry. Keep long hair pulled back and away from moving parts.
- Overreaching or have improper footing. Handling the tool in this way could cause serious injury.

When using this tool:

- Wear proper safety equipment, such as safety goggles, dust masks, and non-skid shoes.
- Check to make sure the trigger is in the "Off" position before plugging the spray gun into an air source.

KEEP THIS MANUAL, SALES RECEIPT & APPLICABLE WARRANTY FOR FUTURE REFERENCE. READ ALL INSTRUCTIONS AND WARNINGS BEFORE USING THIS

PRODUCT. When unpacking, check to make sure all parts listed on page 3 are included. If any parts are missing or broken, please call Customer Service at 1-636-532-9888.

ASSEMBLY

NOTE

Unpack product from package and review contents. Keep all packaging until product has been reviewed.

⚠ WARNING

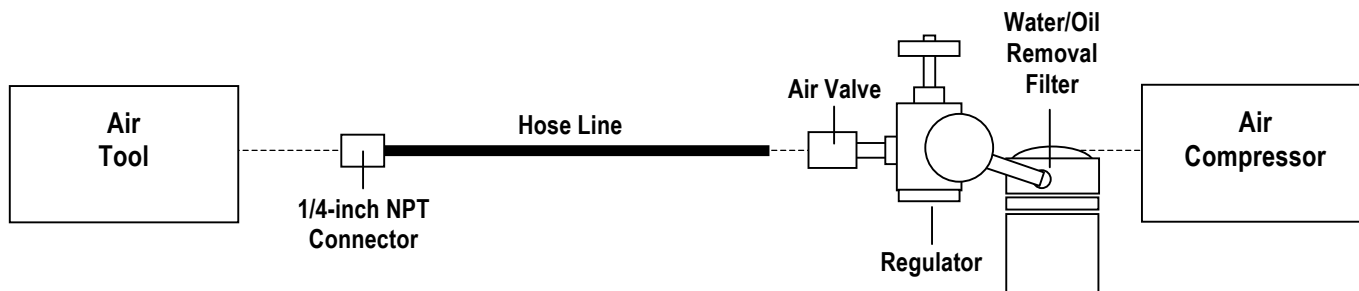
Do not use fittings or air hoses that are too small. They can create a pressure drop and may result in a loss of power to the tool.

For best results, it is recommended you use a regulator and inline filter as close to the spray gun as possible (Diagram A). Always use clean, dry air. Excessive moisture and dirt will greatly reduce the life of the tool. Condensation may cause problems with operation. To avoid this, install water and oil removal filters and controls as close to the spray gun as possible.

This tool is designed to operate at 50-70 PSI. Lower pressure (below 50 PSI) will reduce performance of the tool while higher air pressure (over 70 PSI) raises the performance of the tool beyond its rated capacity and could cause serious damage to the tool and its user.

A 3/8-inch air hose is required up to a length of 8 ft. If more length is required, a 1/2-inch air hose should be used at the compressor. Attach a 3/8-inch whip hose for the remaining 4-8 ft. for flexibility. Be sure all hoses and fittings are the correct size and secured tightly before using the spray gun.

Diagram A



PREPARATION

⚠ CAUTION

Wear ANSI-approved eye protection and mask or respirator when using this product.

NOTE

This spray gun requires lubrication before initial use and before and after each subsequent use.

Use light lubricant or non-silicon oil on all threaded connects prior to storing.

Before using this spray gun for the first time, clean it using a solvent-based thinner to remove any impurities that originated at the manufacturing plant. These impurities will contaminate the fluid used in the spray gun if not removed.

This spray gun must be cleaned immediately after use to prevent build-up of dried material. Once dry, material is very difficult to remove from the small spaces on this spray gun.

This PSG1Q Paint Spray Gun is adjustable and can be used with most paints. Designed for a variety of uses, the PSG1Q Paint Spray Gun is a versatile addition to any size workshop. Care must be taken to ensure continued service. This spray gun must be cleaned before and after every use. Improper cleaning is the most common reason spray guns do not function properly. It is nearly impossible to remove material from inside a spray gun once it has dried.

Spray guns require lubrication before and after use. It is the responsibility of the owner to properly lubricate this spray gun. Use spray gun oil to lubricate, clean, and inhibit rust. Failure to lubricate and maintain this tool properly will shorten its service length and void the warranty.

OPERATION

Follow the manufacturer instructions on mixing products for use in this spray gun. Products spray better when mixed properly.

Strain the product through a filter before filling the Aluminum Paint Cup.

When determining the spray pattern, practice on a piece of scrap away from the work area. Squeeze the trigger using short bursts while at the same time checking to make sure the spray pattern is consistent. If the spray appears thin, add a small amount of thinner to the cup. Use caution when thinning, as thinning too much will have an adverse effect. Never exceed the manufacturer's thinning instructions.

While you practice, turn the Pattern Control Knob clockwise for a narrow spray pattern and counterclockwise for a wider spray pattern.

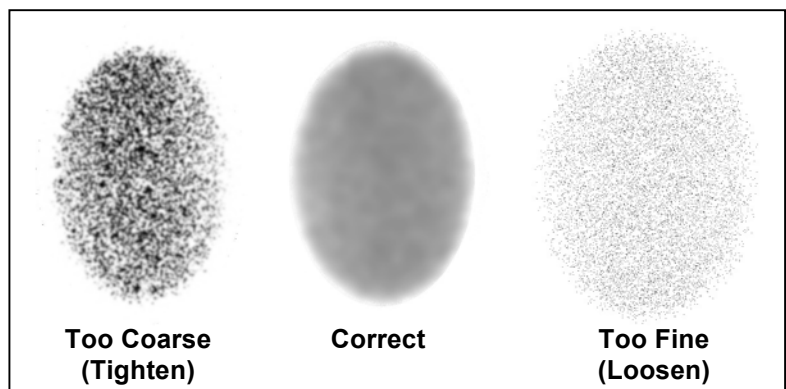


Figure 1

To adjust the jet shape, simply turn the air cap so that it is perpendicular to the ground to create a horizontal jet and parallel to the ground for a vertical jet.

Adjusting the Fluid Control Knob clockwise or counterclockwise increases or decreases paint output.

TIPS AND TECHNIQUES

For best results, keep the spray gun at right angles to the work surface. (Figure 2) Using short bursts, apply material to the work surface using parallel strokes. The optimum distance for this spray gun is 8-10 inches, depending on the flow setting and the material being applied.

Do not stop spraying material while pointing the spray gun at the work surface. Begin spraying to the side of the work surface and apply multiple light coats rather than one heavy coat as this will help eliminate distinct overlaps of material.

The speed of the stroke as well as the distance from the work surface will determine how much sprayed material is used.

When finished spraying, clean the spray gun immediately according to the instructions on the material container.

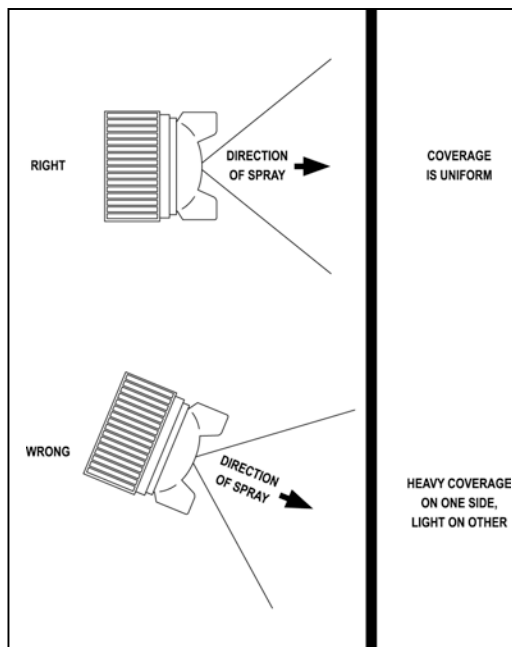


Figure 2

MAINTENANCE

⚠ WARNING

Disconnect the air supply before cleaning. Wear safety eyewear before cleaning. Use a solvent-based thinner to clean this air gun before using for the first time. If not removed, the oil used by the tool manufacturer for testing purposes will contaminate paint. Clean this spray gun after every use, as dried paint is nearly impossible to remove from inside the air gun.

CAUTION

A qualified repair technician must perform any tool service or repair. Service or maintenance performed by unqualified personnel could result in injury. Use only identical replacement parts. Use of unauthorized parts or failure to follow maintenance instructions may create a risk of injury.

⚠ WARNING

Do not make contact with a grounded surface while using this tool. Contact with surfaces like pipes, radiators or major appliances increases your risk of electric shock.
Do not immerse the spray gun in solvent.

This spray gun should be cleaned after every use using an appropriate solvent, such as mineral spirits for oil-based products. Failure to clean this spray gun after use will result in buildup of material in small, hard to clean areas of this spray gun.

When using flammable solvents to clean, extra care must be taken to ensure safety. Do not clean the spray gun near any heat source, open flame, pilot light, heater, or the compressor. Use an old toothbrush and solvent to clean the small parts. **DO NOT USE A METAL BRUSH, AS IT WILL DAMAGE THE SURFACE OF THE SPRAY GUN.**