Paasche®

AUT- (Thumb Action) Manual Spray Gun

OPERATING INSTRUCTIONS AND REPLACEMENT PARTS

WARNING: Spray materials may be harmful if inhaled or allowed to come into contact with the skin or eyes. Consult the product label and Material Safety Data Sheet supplied for the spray material. Follow all safety precautions. **CAUTION:** Well Ventilated Area Required to remove fumes, dust or overspray. Secure airhose and fluid hose wrench tight for safety and to prevent leaks.
Maximum Air Pressure 100 P.S.I.
Maximum Fluid Pressure 45 P.S.I.

DESCRIPTION:
The **AUT-** Series Manual Spray Gun can be used with light to medium consistency materials for touch-up, shading and finishing of small parts. It can cover a range of materials to include light lacquers, latex or corrosives.

AIR AND FLUID CONNECTIONS:
Air Inlet 1/4" N.P.T. and Fluid Inlet 1/4" N.P.T.

OPERATION:
1. Before using, blow out air hoses with compressed air to remove foreign particles.

2. Connect airhose to U-49A Valve Casing for type **AUT-** (Thumb-Action) Spray Gun .

3. Keep connections tight, any leakage of air will impair operation of Spray Gun and waste air pressure.

4. **Siphon Cup:** Attach Cup to the fluid body assembly when 1/4" N.P.T. threaded inlet is in the down position.

5. **Gravity Cup:** Loosen U-58 Nut and turn fluid body inlet to the top of Spray Gun; tighten U-58. A gravity feed cup will feed fluid approximately 30% faster than a siphon feed cup. This permits detail work with head of spray gun close to the work surface (cup on top) .

6. **Air and Fluid Connections for Pressure feed setup:**
Attach Airhose to 1/4" N.P.T.

1. **Air Connection:** To remove any accumulated foreign matter blow out all hoses before using.
   a. Air supply to Spray Gun must be turned off before attaching fitting to the Air Inlet.
   b. Attach Air Hose to the Air Outlet on the Air Regulator and Air Inlet on the bottom of the handle on the Spray Gun.
   Attach Fluid Hose to 3/8" N.P.S.(Make sure all fittings are tight).

2. **Fluid Hose:** Run Fluid Hose from Spray Gun to Pressure Pot.
   a. Attach Hose to the fluid inlet of the Fluid Body.

7. **To control Fluid:** Depress lever to increase flow.

8. A fan is used for broad patterns. Stipple effects can be obtained by reducing atomizing pressure until dots are produced.

9. A round pattern is used for narrow work, stippling,stenciling and shading.

10. As width of pattern increases flow of material must be increased proportionately to obtain fast coverage of larger areas.
By proper adjustment, patterns up to 6" may be obtained with size 3 Spray Head Components.

11. Hold Spray Gun using a hand shake position with thumb on lever. Can also be held like an airbrush with Index finger laying on trigger lever.

12. Begin painting with as light a coat as possible. Take long strokes from side to side, releasing trigger at the end of each stroke. Check to make sure each stroke meets without much overlapping which can cause material to run. For general painting hold the Spray Gun with head approximately 2" to 6" from the surface. For narrow lines, approximately 1" to 2", use a Round Aircap and short trigger pull and hold Spray Gun close to surface.To obtain a wider spray, pull trigger back while gradually drawing the head of the gun away from surface until desired width of pattern is reached.

TROUBLE SHOOTING SPRAY PATTERNS:

A. **A ROUGH OR STIPPLE FINISH** is due to low or restricted flow of air pressure or heavy materials being applied with the spray gun too close to surface.

B. **A WET OR SAGGING FINISH** is due to low air pressure or restricted flow of air, material being too thin or applied too close to the surface.

C. **A SPUTTERING SPRAY** is caused by air leaking into fluid line or can be caused by a loose fluid tip, a broken or split tip, lumpy material, a clogged vent hole in cover of material cup, air leak at fluid pipe attached to inside of tank cover, or a clogged paint strainer.
TO CORRECT: Tighten tip securely or replace. Strain material and clean strainer. Sputtering might also be caused by worn packing washers, or worn or scored needle.

D. **AN ARCHED FAN SPRAY PATTERN** is caused by dried material accumulated in one fan port of the multiplehead, distorting the pattern.
TO CORRECT: Dissolve material inside fan port with suitable water/solvent applied with a small brush.
Never use wire or sharp instruments to clean fan ports as permanent damage to the air ports will result in altering uniformity of the fan spray pattern.

E. **UNBALANCED FAN SPRAY PATTERN**, heavy on one side, may be caused by material collecting around outside of the fluid tip and aircap, or by a loose aircap.
TO CORRECT: Remove aircap and clean fluid tip and aircap with water/solvent, dry with air pressure. Always be sure fan aircap and aircap body is tightened securely.

F. **A HEAVY CENTER** in a fan pattern is caused by insufficient air pressure at the fan port. Rough or shady edges are also caused by low air pressure.
TO CORRECT: Increase air line pressure.

G. **A SPLIT FAN SPRAY PATTERN,** heavy on each end and light in the center, is caused by excessive air pressure.
TO CORRECT: Reduce air pressure.

SPRAY PATTERNS:

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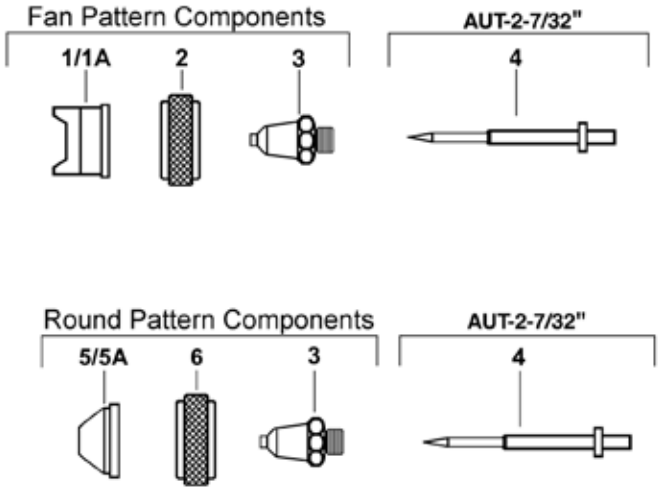
Spray Heads for the AUT- Manual Spray Gun are available in several different styles, some of which are available with Stainless Steel components. The C.F.M. requirements range from .25 to 3 C.F.M. @ 30 lbs. air pressure. NOTE: When either fluid Tip or fluid Needle is worn and requires replacement, it is recommended that both items be changed for best results. All Tips and Needles are made using 303 Stainless Steel.

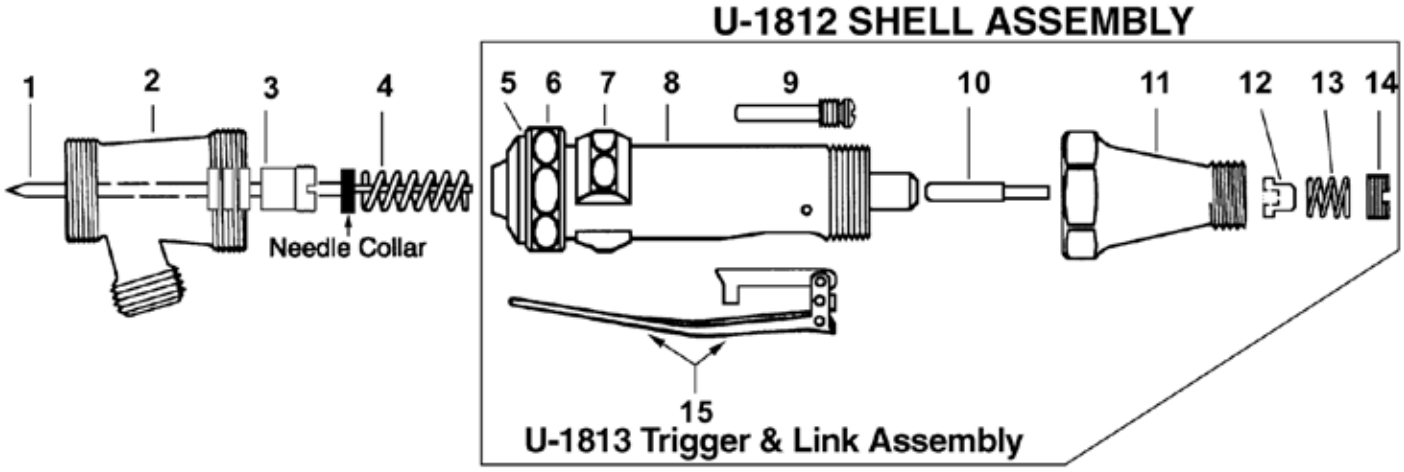
- **Application:** General Light Painting, Touch-up and Decorating
- **Fluid Viscosity:** Light - Medium
- **Atomization:** External - Fan, Internal - Round

NEEDLE, TIP, AIRCAP ASSEMBLY

1.	**ANFA-**	Fan Aircap (Select Size 000/0, 1, 2 or 3)
1A.	**ANFAS-**	Stainless Fan Aircap (Select Size 000/0 or 1)
2.	**AU-12**	Aircap Nut
3.	**AU-**	Stainless Tip (Select Size 000, 0, 1, 2 or 3)
4.	**AUT-2-7/32**	Needle
5.	**AR-15**	Round Aircap (Select Size000/0, 1, 2 or 3)
5A.	**ASR-15**	Stainless Rd Aircap (Select Size 000/0,1 or 3)
6.	**AU-12**	Aircap Nut



Model AUT-



AU Fluid Body (use for AUT-)

1.	**AUT-2-7/32**	Needle (use for AUT)
2.	**AU-7B**	Fluid Body
3.	**U-3687**	Packing Set
4.	**U-33**	Spring (1)

U-1812 Shell Assembly (Thumb-Action Model)

5.	**U-2153**	Retaining Ring
6.	**U-58**	St. St. Nut
7.	**U-755**	Link Sleeve
8.	**U-1811**	Shell
9.	**U-40**	Trigger Screw
10.	**U-194**	Air Valve Piston
11.	**U-49A**	Valve Casing
12.	**U-154P**	Air Valve Head
13.	**U-1853**	Air Valve Spring
14.	**U-48**	Strainer Nut

U-1813 Trigger & Link Assembly

15.	**U-193A**	Trigger & Link Assembly

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