Paasche®

A-AUD

Automatic 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 A-AUD Automatic Spray Gun, is a light duty air actuated production spray gun. It will cover a range of materials to include light lacquers, latex, acid or corrosives. **When using Extensions, material must be pressure fed for proper application.**

CONNECTIONS:
Connections to the gun are: Air Inlet 1/4" N.P.T. (F) and Fluid Inlet 1/4" N.P.T. (M). A-AUD Automatic Spray Gun dimensions are: 5-1/8" (L) x 2-1/4" (D). Packings and piston are PTFE.

Spray Heads for the A-AUD- Automatic Spray Guns 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.

OPERATION:
1. Mount Gun in desired position
2. Before installing, blow out air hoses with compressed air to remove foreign particles.
3. Connect hose from air supply to air inlet fitting.
4. Connect fluid hose to fluid inlet supply.
5. Tighten all hose connections securely.
6. Adjust air pressure to 45-55 P.S.I. at the Air Regulator.
7. Adjust fluid volume by turning the (**C.**) Fluid Adjusting Knob to the left or right.
8. Adjust (**B.**) to desired Atomization

NOTE: DO NOT USE U-3178 AS A SHUT-OFF BY TURNING ALL THE WAY DOWN - IT MAY SPLIT THE TIP.

TIP REMOVAL:
1. Turn off Air and Fluid Pressure.
2. Release Needle pressure from the seat of Tip, by backing off the (**C.**) Fluid Adjusting Knob approximately 5 turns, then removing U-2686A Cylinder Cap Assembly.
3. Loosen AU-12 Aircap Nut and remove Spray Head Assembly. **Leave Needle In Place.**
4. Unscrew AU-Tip. Place New AU-Tip in position.
5. To replace, reverse above procedure.

MAINTENANCE:
Requirements of the A-AUD Automatic Spray Gun have been reduced to a minimum. PTFE Packings are self-lubricating. Flush clean solvent through the Fluid passages of the Spray Gun and Wipe off the outside with clean solvent. Never leave the entire Spray Gun immersed in solvent. Dirty Aircaps and Tips should be cleaned by soaking in solvent and blown clean with air.

CLEANING:

TROUBLE SHOOTING SPRAY PATTERNS:

(A) **A ROUGH OR STIPPLE FINISH** is due to low or restricted flow of air pressure or too heavy materials being applied with 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, 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 materials 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 fan aircap distorting the pattern.

TO CORRECT: Dissolve material inside fan port with suitable solvent applied with a small brush.

NOTE: Never use wire or sharp instruments to clean fan ports as permanent damage to the air ports will result in destroying uniformity of the fan 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 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.

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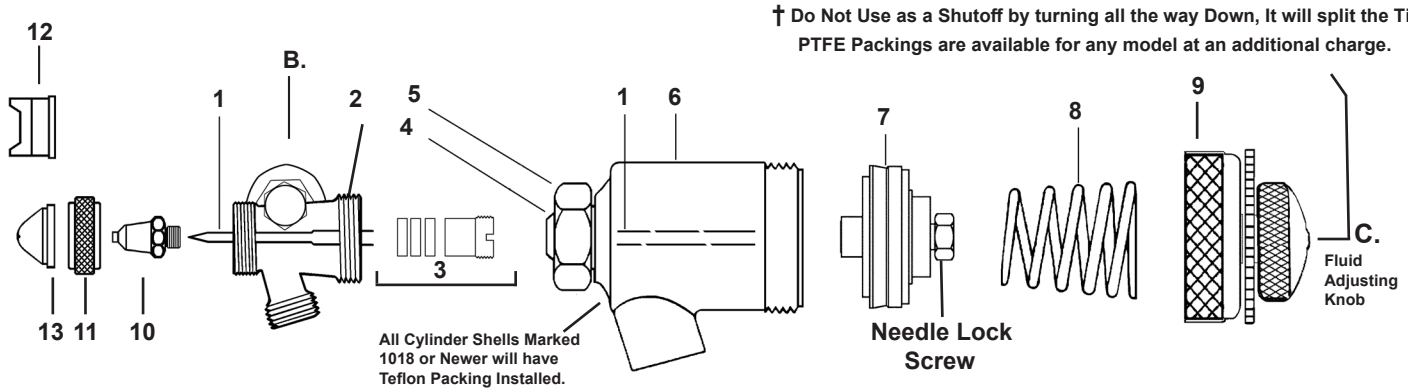
SPRAY PATTERNS:

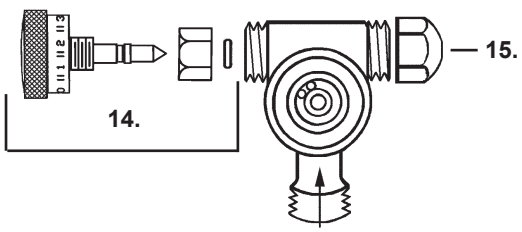
Paasche A-AUD Automatic Spray Gun

† Do Not Use as a Shutoff by turning all the way Down, It will split the Tip.
PTFE Packings are available for any model at an additional charge.



No.	Part No.	Description
1.	A-AU-3-11/16	Needle
2.	AU-7DA	Fluid Body
3.	U-3687	Packing Set
4.	U-3632	Small "O" Ring
5.	U-3633	Large "O" Ring
6.	U-1907B	Shell Assembly
7.	U3656	PTFE Piston Assembly
8.	U-2966	Piston Spring
9.	U-2686A	Cylinder Cap Assembly
10.	AU-	Stainless Tip (Select Size 000, 0, 1, 2 or 3)
11.	AU-12	Aircap Nut
12.	ANFA-	Fan Aircap (Select Size 000/0, 1 or 3)
12B.	ANFAS-	Stainless Fan Aircap (Size 3)
13.	AR-15	Round Aircap (Select Size000/0, 1, 2 or 3)
13B.	ASR-15	Stainless Rd Aircap (Select Size 000/0, 1 or 3)
14.	U-3657	Atomizing Adjustment Assembly
15.	U-551	Cap Nut

NEW
Atomizing Adjustment Assembly



Size References: Tip and Aircap must match size

000	.014
0	.021
1	.028
2	.040
3	.046

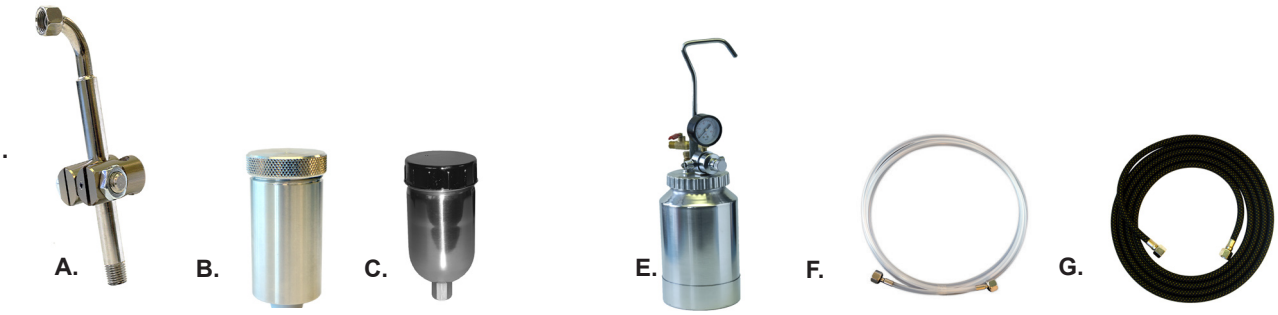
U-3502 (Old Style) Leather Packing Set

U-3502
Old Style Leather Packing Set

59-30 Packing Set

59-30 (Old Style) PTFE Packing Set

OPTIONAL ITEMS:



A.	UM-96	Mounting Assembly
B.	27SC	3 oz. Gravity Cup
C.	28SC	8 oz. Gravity Cup
E.	PT-64	2 QT Paint Cup W/ Regulator
F.	HA-1/4-10	Fluid Hose W/HAC-1/4 Couplings
G.	HL-3/16-10	10 FT Air Hose W/ 1/4 NPT Couplings

All AX Aircaps must use a Pressure Feed Cup or Pressure Tank to feed material being sprayed. Always adjust atomizing air pressure higher than fluid air pressure.

A-AU Accessories

79.	AEN-45	Elbow
82.	AN	Nylon Washer
80.	AEN-90	Elbow

AE- Extensions (For Fan and Round - Heads Only)

81.	AE-3E	Extension L/Needle
	AE-6E	Extension L/Needle
	AE-18E	Extension L/Needle
82.	AN	Nylon Washer

AX- Stainless Steel Extensions (AX - Aircaps & Tips Only)

AX Extensions Complete - Sizes: 3, 6, 12, 18, 24, 36 & 48

83.	U-2831-	Inner Tube (Select Size)
84.	AUF-29	Nut
85.	U-2832-	Outer Tube (Select Size)
86.	AX-1	Tip (Not Included with AX Extensions)

A-AU Extension Needles (Used with AE- & AX- Extensions)

87.	A-AU-3	Extension Needle
	A-AU-6	Extension Needle
	A-AU-12	Extension Needle
	A-AU-18	Extension Needle
	A-AU-24	Extension Needle
	A-AU-36	Extension Needle
	A-AU-48	Extension Needle

AX Style Aircaps (Used with AX-Extensions Only)

88.	AXR	Aircap (External Round Pattern)
89.	AXF	Aircap (External Fan Pattern)
90.	AXIF	Aircap (Internal Fan Pattern)
91.	AXIF-90	Aircap (Internal Fan Pattern)
92.	AXIF-45	Aircap (Internal Fan Pattern)
93.	AXIB	Aircap (Spherical Pattern)
94.	AXI-360	Aircap (Radial Pattern)
95.	AXIF-90A	Aircap (Internal Fan Pattern)
96.	AXIR-15	Aircap (Internal Round Pattern)
97.	AXIR-90	Aircap (Internal Round Pattern)