Gravity Feed Spray Gun

Model # EGS-140

SPECIFICATIONS:

Air Pressure..... 50 P.S.I.
Spray Head & Needle.....2.0 mm
Cup capacity.....600ml
Avg. air consumption..... 7.1 C.F.M.
Fluid inlet.....3/8" N.P.S.
Air inlet.....1/4" N.P.S.
Hose size.....3/8" I. D.

IMPORTANT SAFETY INFORMATION

Read all safety warnings before operation.

WARNING!
Failure to heed these warnings may result in personal injury or property damage.

WARNING!

All persons in the work area must always wear approved eye and ear protection and approved breathing apparatus when this spray gun is in operation.

Never aim spray gun at anyone. Do not spray near sparks, open flame, lit cigarettes, pilot lights, space heaters or any other potential ignition source. DO NOT SMOKE IN WORK AREA.
Follow manufacturers instructions and safety information to ensure safe handling and proper use of paints, laquers, thinners, base coats, etc. Do not use latex or other heavy paints. They are not recommended for this spray gun.

Warning! Solvents 1,1,1-Trichloroethane and Methylene Chloride (Dichlormethane - sometimes called Methylchloride) can chemically react with the Aluminum used in most spray equipment creating an explosion hazard. Read the label or data sheet from the material you intend to spray. NEVER USE ANY MATERIAL CONTAINING THESE SOLVENTS. If unsure as to the composition of your material, check with your supplier. Do not use acids for cleaning.

Always keep work area free from obstructions and well ventilated.
Always disconnect spray gun from air source before disassembly.

TROUBLESHOOTING

Your spray gun was constructed with quality materials and workmanship and will give you many years of trouble free use when cared for as described in the "Maintenance and inspection" section on page 2. However, as with any mechanical device, periodic adjustments are necessary to maintain a peak level of performance. Should your spray gun be displaying any of the following symptoms, the simple procedures shown below will correct the problem.

Problem:	Probable Cause:	Solution:
	**Half-Moon Shaped Pattern** This is usually caused by clogged air holes on the Air Nozzle ears.	Carefully clean out holes with wire after soaking in thinner.
	**Irregular or Offset Pattern** This can be caused by 1. A dirty or damaged Needle tip or Fluid Nozzle 2. Clogged atomization holes on Air Nozzle around the center	1. Clean or replace Needle or Fluid Nozzle. 2. Clean Air Nozzle
	**Spitting** 1. Too little material in cup 2. Loose Fluid Nozzle 3. Damaged Needle Packing 4. Dirty or damaged Needle & Nozzle Set.	1. Refill cup 2. Tighten Nozzle 3. Replace Packing 4. Clean or replace parts
	Material in cup bubbles or "Boils" 1. Loose, clogged or damaged Fluid Nozzle 2. Loose, clogged or damaged Air Nozzle	1. Clean, tighten or replace 2. Clean, tighten or replace

MAINTENANCE and INSPECTION

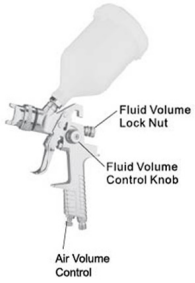
Clean gun before and after each use. To protect the precision machined internal parts and fittings in this gun from corrosion during shipping, some oils or other corrosion resistant agents may have been applied. It is important to remove any such residue before attempting to use the gun. To clean, place a small amount of appropriate thinner into paint cup and spray through gun while pulling and releasing trigger repeatedly. Wipe exterior of gun, nozzles and paint cup. In some cases, if the gun becomes clogged, disassemble completely and soak all parts in thinner. After soaking, use wire and cleaning brush to clear small internal passages. Check and clean paint cup filter. Replace if worn.

A clean air source is imperative to ensure peak performance. The use of an in-line air filter is highly recommended to keep any contaminants from entering the spray gun.

Inspect all fittings and hardware to ensure proper seating. Be sure air line fittings are tight with no leaks. Replace any worn parts as necessary.

Check needle and nozzles for nicks, scratches or burrs. Any such conditions will seriously impair performance. Replace as necessary.

OPERATION

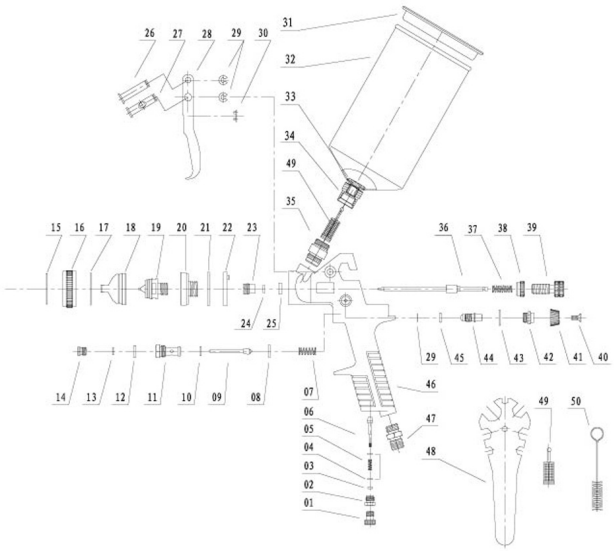


Air and Fluid Volume Controls - These two controls are used in conjunction with each other to accurately adjust air/fluid (Paint) ratio and will vary for different paints. Changing one control affects the other so alternating back and forth between them to Fluid Volume fine tune your adjustment will yield optimum results.

Air Volume Control - Air volume is adjusted by turning the Air Control Knob. Turning knob in reduces volume, turning knob out increases volume.

Fluid Volume Control - Fluid volume is adjusted by turning the Fluid Volume Control Knob. Turning knob in decreases volume, turning knob out increases volume. Once a satisfactory volume is set, you can lock the adjustment by turning the lock nut in tight.

PARTS DRAWING



No	Description	No	Description	No	Description
1	Air Adj. Screw	18	Atomization	35	Fluid Inlet Plug
2	Air Adj. Knob	19	Fluid Nozzle	36	Needle
3	O-ring(2.5*2.1)	20	Fluid Nozzle Joint	37	Spring
4	Washer	21	Head Washer	38	Screw
5	Air Valve Spring	22	Joint Washer	39	Plug Screw
6	Air Inlet Valve	23	Direction Screw	40	Screw
7	Switch Spring	24	Seal Washer	41	Pattern Screw
8	Air Body Body	25	Small Washer	42	Plug Screw
9	Switch Washer	26	Trigger Lever I	43	Washer
10	O-ring(8.5x1.2)	27	Trigger Lever II	44	Plug Screw
11	Switch Knob	28	Trigger	45	O-ring(6*2)
12	Washer	29	Snap Retainer	46	Pattern Adj. Screw
13	Washer	30	Trigger Washer	47	O-Ring(6x2)
14	Direction Screw	31	Plug	48	Wrench
15	Spring	32	Cup Lid	49	Tool Wrench
16	Nut	33	Cup	50	Brush
17	Fluid Cap Washer	34	Filter		