

AEROPRO

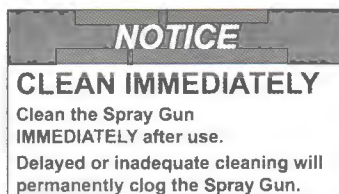
Instruction Manual



Air Powered Spray Gun-HVLP Spray Gun

Model: H2009

Read this Instruction Manual carefully and understand it completely, basic precaution should be strictly followed to prevent the damage to the tool and injury to the operator. Retain this manual for further reference. And you should pay more attention to the Technical Data.



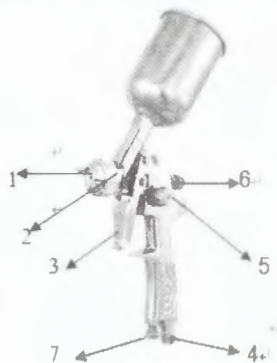
CONTAIN:

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Description

HVLP(High volume low pressure) spray gun supply 10 psi low pressure through the air cap which make the spraying softer, easily controlled and less overspray in high transfer efficiency. Includes adjustable fluid, pattern and air controls. Designed to provide equal atomization and particle size for all kinds of surface painting. Stainless steel needle and nozzle accommodate a variety of coatings. Precise air cap set. Light weight, ergonomic design and easy trigger pivot reduce operating fatigue.

- 1, Nozzle set (air cap visible only)
- 2, Self tensioning needle packing, not visible
- 3, Trigger
- 4, Air connection G ¼ outside
- 5, Adjusting the paint Paint
- 6, Adjusting the paint volume
- 7, Adjusting the air inlet volume



◆ Specifications And Technical Data

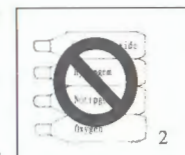
Item No.	H2009
Air Inlet	1/4"
Type of Feed	Gravity
Standard Dia of Nozzle	0.8mm
Optional Dia of Nozzle	0.6&0.8&1.0 mm
Recommended air pressure	3.0-4.0bar (43.5-60psi)
Max. Working pressure of air	4.0bar (60psi)
Paint Capacity	150ml
Avg. Air Consumption	98-168 l/min (3.5-6.0cfm)
Pattern Width	110-160mm (4.3-6.29")
A-weighted sound pressure level	75.9 dB(A)
Sound power level	86.9 dB(A)

◆ Important Safety Instructions

1. For toxic vapors produced by spraying certain materials can create intoxication and serious damage to health. Always wear safety glasses, gloves and respirator to prevent the toxic vapor hazard, solvent and pointing paint coming into contact your eyes or skin. (see fig 1)



2, Always spray in a well ventilated area to prevent health and fire hazards. Refer to Material Safety Data Sheets (MSDS) of spray.



3, Never use oxygen, combustible or any other bottle gas as a power source or would cause explosion and serious personal injury. (see fig 2)

4, Never spray closer than 25 feet to the compressor! If possible, locate compressor in separate room. Never spray into the compressor, compressor controls or the motor.



5, Fluid and solvent can be highly flammable or combustible. Pls Use the tool only in well-ventilated area, and avoid any ignition sources, such as smoking, open flames and decrial hazard. (see fig 3)

6, Do not spray flammable materials in vicinity of open flame or near ignition sources. Motors, electeical equipment and controls can cause electrical arcs that will ignite a flammable gas or vapor. Never store flammable liquids or gases in the vicinity of the compressor.

7, Do not misuse this product. Excessive exposure to vibration, work in awkward positions, and repetitive work motions can cause injury to hands and arms. Stop using any tool if discomfort, numbness, tingling or pain occur, and consult a physician.

8, When spraying and cleaning, always follow the instructions and safety precautions provided by the material manufacturer.

9, Do not spray acids, corrosive materials, toxic chemicals, fertilizers or pesticides. Using these materials could result in death or serious injury.

10. Disconnect tool from air supply hose before doing tool maintenance and during non-operation, for emerge stop and prevention of unintended operation, a ball valve near the gun to air supply is recommend.

11. Use clean, dry and regulate compressed air rated at 3.0~4.0 bar, never exceed maximum permissive operating pressure 4.0bar (60psi) (see fig 4)

12. Never use homogenate hydrocarbon solvent, which can chemically react with aluminum and zinc parts and chemically compatible with Alum. and zinc pats.

13. Never point gun at you and others at any time.

14. Always work in a clean environment. To avoid injury and damage to the workpiece, do not aim the spray gun at any dust or debris.

15. Do not use pressure that exceeds the operating pressure of any of the parts (hoses, fittings, etc.) in the painting system

16. Keep hose away from sharp objects. Bursting air hoses may cause injury. Examine air hoses regularly and replace if damaged.

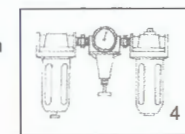
17. Before operating the tool, make sure all the screws & caps are securely tightened in case of leaking;

18. Before painting, make inspection for free movement of trigger and nozzle to insure tool can operate well.

19. Never modify this tool for any other applications. Only use parts, nozzles and accessories recommended and accessories recommended by manufactures.

20. Do not use the tool in explosive condition or face to live parts.

21. Some hazards resulting from contact with and/or breathing of toxic, gases, dusts, mists, vapours etc. may



by created by operation of the equipment. Be reminded that the user to be aware of the recommendations of the coating etc. manufacturer.

◆ Instructions For Operation

Preparation

1. After unpacking the product, inspect carefully for any damage that may have occurred during transit. Make sure to tighten fittings, bolts, etc., before putting unit into service.
2. Thoroughly mix and thin paint in accordance with the paint manufacturer's instructions. Most materials will spray readily if thinned properly.
3. Strain material through filter, cheese cloth or a paint strainer.
4. Fill the canister about ¾ full and start the air compressor.

WARNING DO NOT EXCEED Maximum Pressure of Spray Gun or any other parts in the compressor system.

5. After Connect the gun to air supply, please make sure that the fluid cap, container and air hose have been connected tightly with spray gun.
6. Set up a piece of cardboard or other scrap material to use as a target and adjust for best spray pattern.

WARNING Never aim or spray at yourself or anybody else which would cause serious injury.

7. Test the consistency of the material by making a few strokes on a cardboard target. If material still appears too thick, add a small amount of thinner. THIN WITH CARE! Do not exceed paint manufacturer's thinning recommendations.

Adjustment

The desired pattern and fine atomization can be easily obtained by regulating the Pattern Adjusting Knob, Fluid (PAINT) Adjusting Knob.

PATTERN ADJUSTMENT: Turning Pattern Adjusting Knob to the right until tight will make spray pattern round, or turning left make spray pattern ellipse.

Fluid (PAINT) ADJUSTMENT: Turn the Paint Adjusting Knob clockwise will decrease the volume of fluid output and counter-clockwise will increase fluid output.

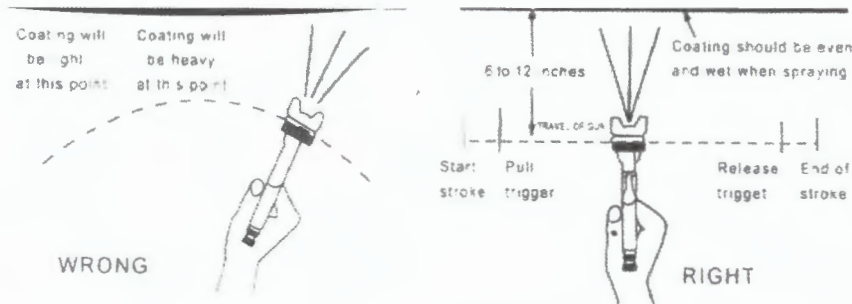
Pressure adjustment: Turn the knob 7 for adjusting the air inlet volume.

Operation

1. Begin spraying. Always keep the gun at right angles to the work.
2. Keep the nozzle about 6 to 12 inches from the work surface. Grip the gun keeping perpendicular with spraying area then move it parallel for several times, Stopping gun movement in mid-stroke will cause a build up of paint and result in runs. Do not fan the gun from side to side while painting. This will cause a build-up of paint in the center of the stroke and an insufficient coating at each end.
3. Trigger the gun properly. Start the gun moving at the beginning of the stroke **BEFORE SQUEEZING THE TRIGGER** and release the trigger **BEFORE STOPPING GUN MOVEMENT** at the end of the stroke. This procedure will blend each stroke with the next without showing overlap or unevenness.
4. The amount of paint being applied can be varied by the speed of the stroke, distance from the surface and adjustment of the fluid control knob.
5. Overlap strokes just enough to obtain an even coat.

NOTE: Two thin coats of paint will yield better results and have less chance of runs than one heavy layer.

6. Use a piece of cardboard as a shield to catch overspray at the edges of the work to protect other surfaces.



◆ Maintenance

Incomplete cleaning could cause function failures and a degradation of the fan form.

1. Remove any remaining paint by pouring it into another container.
2. Disassemble the spray gun making sure to remove the needle before disassembling the nozzle to avoid damage to the housing of the nozzle closure.
3. Clean all the paint passages and the nozzle. Clean the other components using a brush soaked in solvent.
4. Reassemble the spray gun and spray a small quantity of solvent to eliminate all the residues in the paint passages.



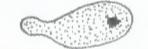

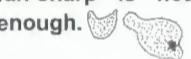
WARNING:

NEVER USE METAL OR OTHER OBJECTS THAT COULD DAMAGE THE HOLES IN THE NOZZLE AND CAP. NEVER IMMERSE THE SPRAY GUN COMPLETELY IN SOLVENT. NEVER USE COMPONENTS OR PARTS THAT ARE NOT MANUFACTURER ORIGINALS.

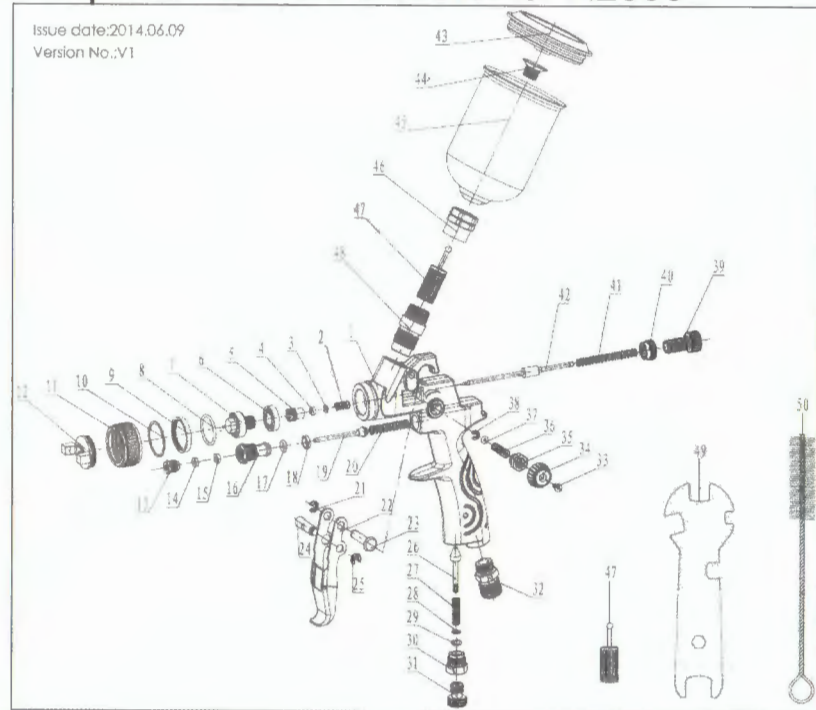
Storing

- When not using spray gun, turn the fluid adjustment knob counter-clockwise to open which will reduce spring tension on needle fluid tip.
- Spray gun **MUST BE** well cleaned and lightly lubricated.

◆ Trouble shooting

Symptom	Problems	Solution
Fluttering or spitting 	<ol style="list-style-type: none"> 1. Material level too low. 2. Container tipped too far. 3. Loose fluid inlet connection. 4. Loose or damaged fluid tip/seat. 5. Dry or loose fluid needle packing nut. 6. Air vent clogged 	<ol style="list-style-type: none"> 1. Add material into container. 2. Hold more upright. 3. Tighten. 4. Adjust or replace. 5. Lubricate and or tighten. 6. Clear vent hole.
Pattern is arc. 	<ol style="list-style-type: none"> 1. Worn or loose Fluid nozzle. 2. Material build up on Air cap. 	<ol style="list-style-type: none"> 1. Tighten or replace Fluid nozzle. 2. Remove obstructions from holes, but don't use metal objects to clean it.
Pattern is not Evenly spread. 	<ol style="list-style-type: none"> 1. Material build up on Air cap. 2. Fluid nozzle dirty or worn. 	<ol style="list-style-type: none"> 1. Clean or replace Air cap. 2. Clean or replace Fluid nozzle.
The center of Pattern too narrow. 	<ol style="list-style-type: none"> 1. Material too thin or not enough. 2. Atomization air pressure too high. 	<ol style="list-style-type: none"> 1. Regulate material viscosity. 2. Reduce air pressure.
Pattern width of fan-sharp is not enough. 	<ol style="list-style-type: none"> 1. Material too thick. 2. Atomization air pressure too low. 	<ol style="list-style-type: none"> 1. Regulate material viscosity. 2. Increase air pressure.
Air leaking from air cap without pulling trigger	<ol style="list-style-type: none"> 1. Sticking air valve stem 2. Contaminate on air valve or seat 3. Worn or damaged air valve or seat 4. Broken air valve spring 5. Bent valve stem 	<ol style="list-style-type: none"> 1. Lubricate 2. Clean 3. Replace 4. Replace 5. Replace
Fluid leaking from packing nut	<ol style="list-style-type: none"> 1. Packing nut loose 2. Packing worn or dry 	<ol style="list-style-type: none"> 1. Tighten, but do not restrict needle 2. Replace or lubricate (non-silicone oil)
Excessive overspray	<ol style="list-style-type: none"> 1. Too high atomization pressure 2. Too far from work surface 3. Improper stroking (arcing, gun motion too fast) 	<ol style="list-style-type: none"> 1. Reduce pressure 2. Adjust to proper distance 3. Move at moderate pace, parallel to surface.
Will not spray	<ol style="list-style-type: none"> 1. No pressure at gun 2. Fluid control not open enough 3. Fluid too heavy 	<ol style="list-style-type: none"> 1. Check air lines 2. Open fluid control 3. Thin fluid or change to pressure feed system.

◆ Explode view & Parts List for H2009



NO.	Description	Qty.	NO.	Description	Qty.	NO.	Description	Qty.
1	Gun body	1	18	Foam gasket	1	35	Pattern Adjustment seat	1
2	Depress Spring	1	19	Air Valve Stem	1	36	Pattern Adjustment Knob	1
3	Sealing ring	1	20	Trigger spring	1	37	O-ring 2*1.5	1
4	Needle sealing ring	1	21	Snap Retainer	1	38	Snap retainer	1
5	Guide Bolt	1	22	Trigger	1	39	Paint Adjustment Knob	1
6	Nozzle Gasket	1	23	Trigger pin I	1	40	Nut	1
7	Nozzle	1	24	Trigger pin II	1	41	Needle Spring	1
8	O-ring 17*1.5	1	25	Snap Retainer	1	42	Needle	1
9	Nut Sleeve	1	26	Air inlet valve	1	43	Cup cover	1
10	Air cap washer	1	27	Air inlet spring	1	44	Hex Nut	1
11	Air Cap Nut	1	28	Flat washer	1	45	Cup	1
12	Air cap	1	29	O-ring 2.5*2.1	1	46	Collar nut	1
13	Sealing screw	1	30	Adjust seat	1	47	Filter	2
14	Sealing washer	1	31	Adjust knob	1	48	Paint joint	1
15	Sealing washer	1	32	Air inlet plug	1	49	Wrench	1
16	Trigger Seat	1	33	Bolt	1	50	Brush	1
17	O-ring 4.9*1.5	1	34	Pattern Adjustment Nut	1			

Note:

If you need spare parts of this model, pls feel free to contact us or the distributor where you bought this tool.
Tks!