VEVOR

Affordable. Reliable. Home Improvement.

Air Spray Gun

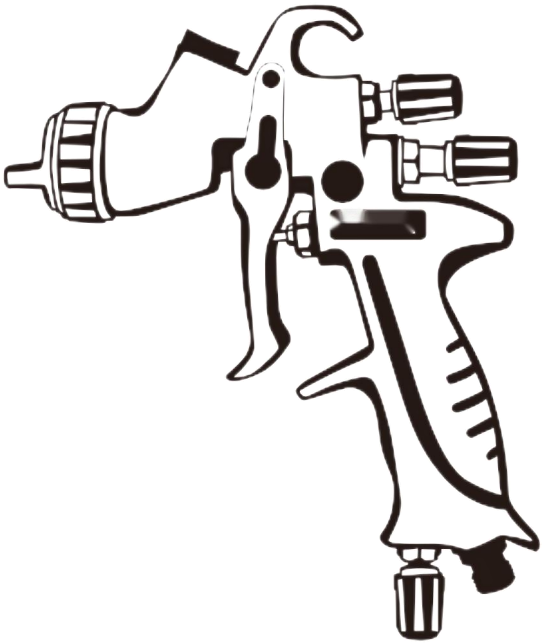
Model:RF6000AG

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	Warning-marking concerning risk of Eye Injury
	Warning-marking concerning Risk of Hearing Loss
	Warning-marking regarding the Risk of Inhalation of Hazardous Gases.

First Time Usage



read this instruction manual carefully and understand all information before operating this tool.

WARNING

some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. some examples of these chemicals are:

• lead from lead-based paints,

• crystalline silica from bricks and cement and other masonry products, and

• arsenic and chromium from chemically-treated lumber.

your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.



• Always operate, inspect and maintain this tool in accordance with American National Standards Institute Safety Code of Portable Air Tools (ANSI B186.1) and any other applicable safety codes and regulations.

• During cleaning and flushing, solvents can be forcefully expelled from fluid and air passages. Some solvents can cause eye injury.
• Be sure all in the area are wearing impact-resistant eye and face protection.



• Even small projectiles can injure eyes and cause blindness. High sound levels can cause permanent hearing loss. Protect yourself from noise.Noise levels vary with work surface. Wear ear protection.
• Repetitive work motions, awkward positions and exposure to vibration can be harmful to hands and arms.
• Air under pressure can cause severe injury. Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs. Never direct air at yourself or anyone else. Whipping hoses can cause serious injury. Always check for damaged or loose hoses and fittings. Never use quick
change couplings at tool. They add weight and could fail due to vibration. Instead, add a hose whip and connect coupling between air supply
and hose whip, or between hose whip and leader hose.
• Always use tool at a safe distance from other people in work area.
• Maintain tools with care. Keep tools clean and oiled for best and safest performance. Follow instructions for lubricating and changing accessories. Wiping or cleaning rags and other flammable waste materials must be placed in a tightly closed metal container and disposed of later in the proper fashion.
• Do not wear loose or ill-fitting clothing; remove watches and rings.
• Do not over reach. Keep proper footing and balance at all times. Slipping, tripping and falling can be a major cause of serious injury or death. Be aware of excess hose left on the walking or work surface.
• Do not force tool. It will do the job better and safer at the rate for which it was designed.
• Do not abuse hoses or connectors. Never carry tool by the hose or yank hose to disconnect from air supply. Keep hoses from heat, oil and
sharp edges. Check hoses for weak or worn condition before each use, making certain that all connections are secure.
• When possible, secure work with clamps or vise so both hands
are free to operate tool.

• Avoid inhaling dust or handling debris from work processes which can be harmful to your health.

• Operators and maintenance personnel must be physically able to handle the bulk, weight and power of this tool.

• This tool is not intended for use in explosive atmospheres and is not insulated for contact with electric power sources.



• Solvent and coatings can be highly flammable or combustible, especially when sprayed.Adequate exhaust must be provided to keep air free of accumulations of flammable vapors.

• Smoking must never be allowed in the spray area.

• Fire extinguishing equipment must be present in the spray area.

• Never spray near sources of ignition such as pilot lights,
welders, etc.

• Halogenated hydrocarbon solvents - for example, methylene chloride - are not chemically compatible with the aluminum that might be used in many system components. The chemical reaction caused by these solvents reacting with aluminum can become violent and lead to an equipment explosion. Guns with stainless steel fluid passages may be used with these solvents. However, aluminum is widely used in other spray application equipment - such as material pumps, cups and regulators,
valves, etc. Check all other equipment items before use and make sure they can also be used safely with these solvents.

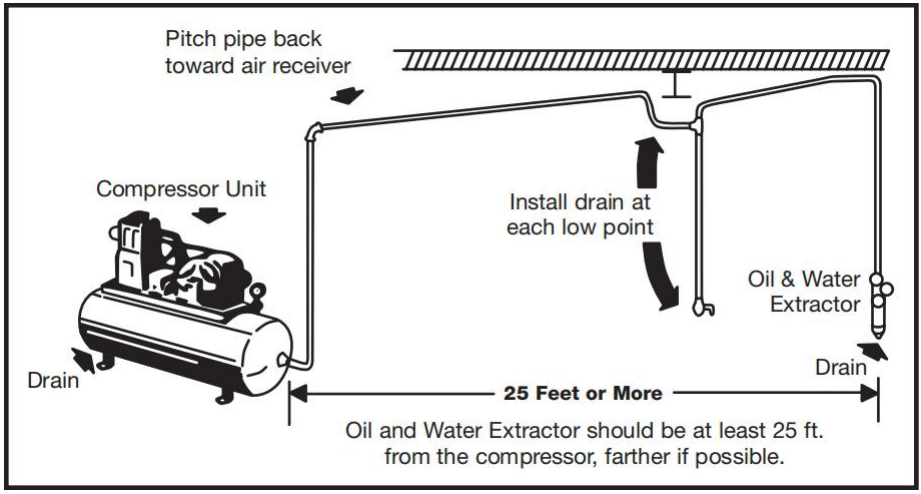
Read the label or data sheet for the material you intend to spray. If in doubt as to whether or not a coating or cleaning material is compatible, contact your material supplier.



• Sprayed materials may be harmful if inhaled,or if there is contact with the skin. Adequate exhaust must be provided to keep the air free of accumulations of toxic materials. Use a mask or respirator whenever there is a chance of inhaling sprayed materials. The mask must be compatible with the material being sprayed and its concentration.

AIR SUPPLY

Air Flow CFM	Length of Pipe (ft.)			
	50	100	150	200
10	1/2"	3/4"	3/4"	
20	3/4"	3/4"	3/4"	3/4"
30	3/4"	3/4"	1"	1"
40	1"	1"	1"	1"
50	1"	1"	1"	1"
70	1"	1"	1-1/4"	1-1/4"



Never mount oil and water extractor on or near the air compressor.

During compression, air temperature is greatly increased. As the air cools down to room temperature, moisture condenses in the air line, on its way to the spray gun. Therefore, always mount the oil and water extractor at a point in the air supply system where the compressed air temperature is lowest.

Drain airlines properly.

Pitch all airlines back towards the compressor so that condensed moisture will flow back into the air receiver where it can be drained off. Each low point in an airline acts as a water trap. Such points should befitted with an easily accessible drain. See diagram above.

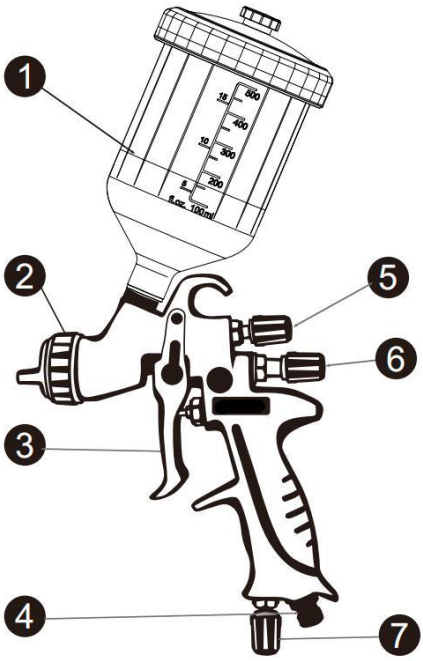
TYPES OF INSTALLATION

Peparing before operating:

- Check and replace any damaged parts.
- Make sure the nozzle and air trigger can work well.
- Attach the cup to spray gun. Make sure the lid is securely tightened and the vent closed.
- Pour paint into the container cup

NOTE: THE SPRAY GUN MUST BE DISCONNECTED FROM THE AIR SOURCE WHEN FILLING OR REFILLING MATERIAL.

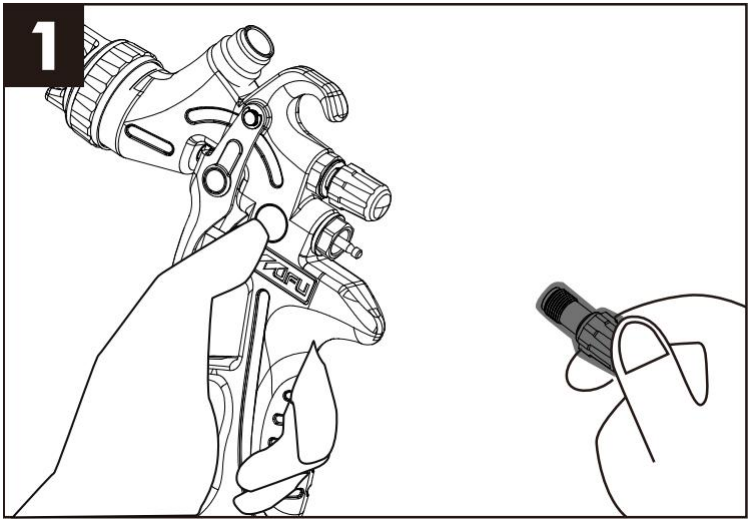
Adjustments



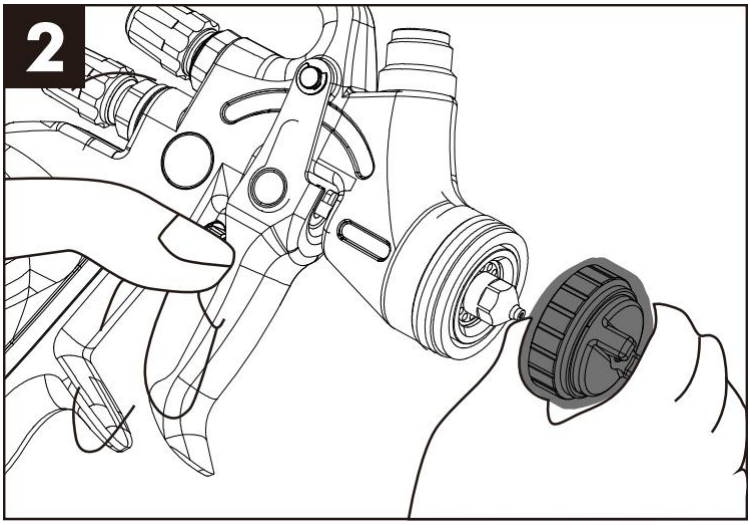
1	Paint Cup
2	Air Cap Set
3	Trigger
4	Compressed Air Inlet Connector
5	FAN ADJUSTMENT KNOB
6	FLUID ADJUSTMENT KNOB
7	AIR ADJUSTMENT KNOB

NOZZLE SET REPLACEMENT

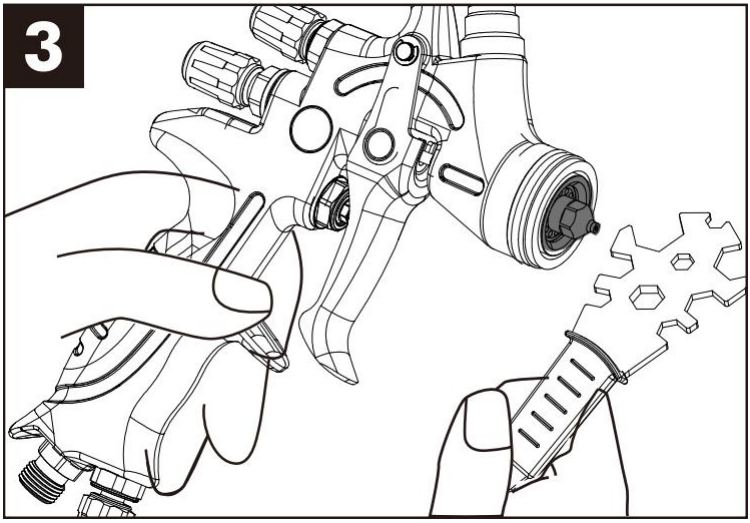
1. Disassemble and install nozzle set



Turn the Fluid Adjustment Knob counterclockwise to remove Knob, Fluid Needle and Spring.



Remove the Air Cap Set.

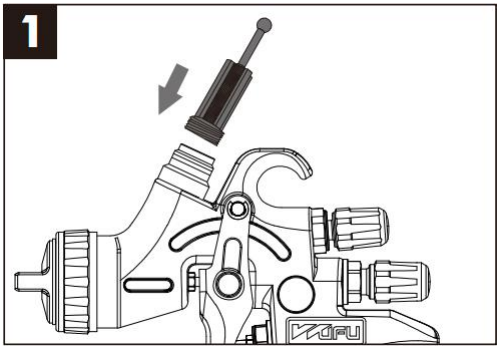


Unscrew the Fluid Nozzle with spanner.

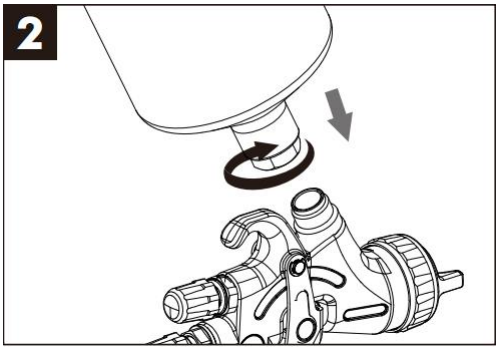
2. Re-assembly: be remember to tighten the Fluid Nozzle to prevent fluid leakage.

NOTE: Replace the whole set of Air Cap,Nozzle, Fluid, Needle at the same time.

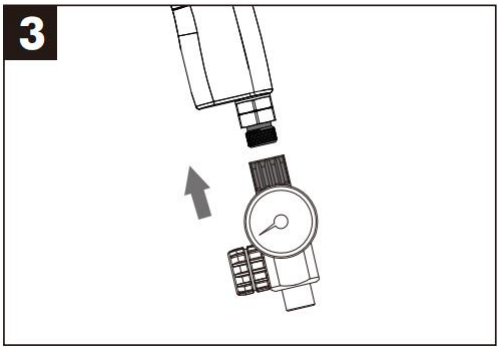
ASSEMBLY SET REPLACEMENT



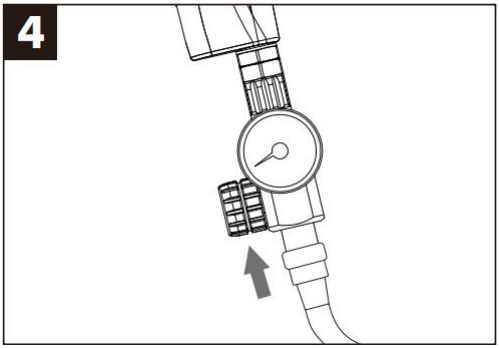
Install the Filter.



Screw the Paint Cup clockwise.

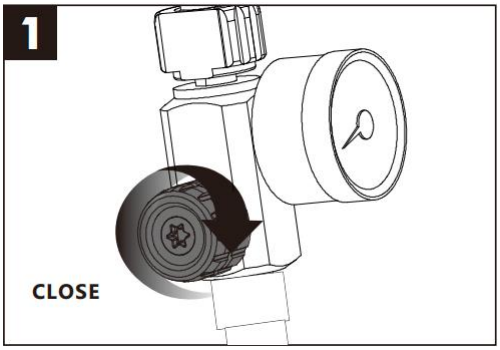


Connect the air pressure regulator to the air inlet.

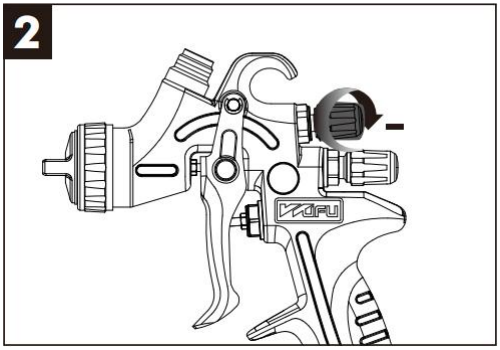


Connect the 1/4" NPS air inlet connector to the air pressure regulator.

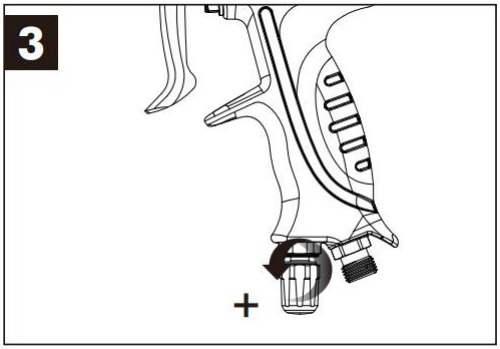
SET UP



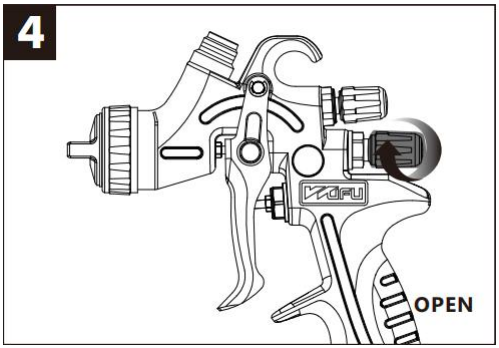
Turn the Air Pressure Regulator Knob clockwise to make sure the air inlet is closed.



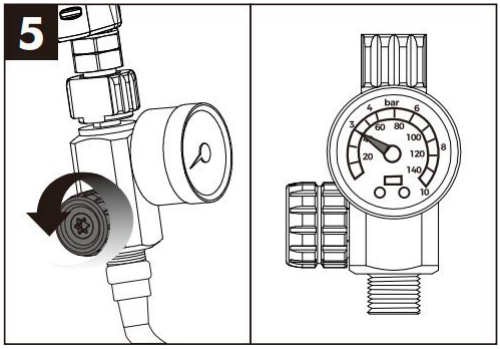
Turn the Fan Adjustment Knob clock-wise to the minimum to prevent the needle from moving.



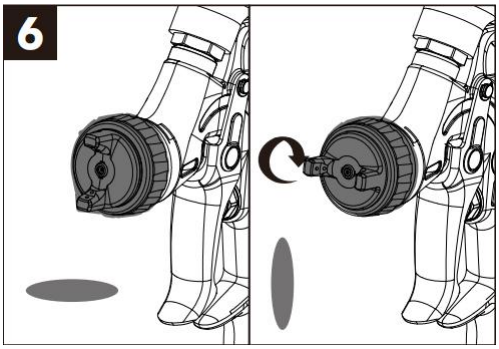
Turn the Air Adjustment Knob counter-clockwise to fully open the fan.



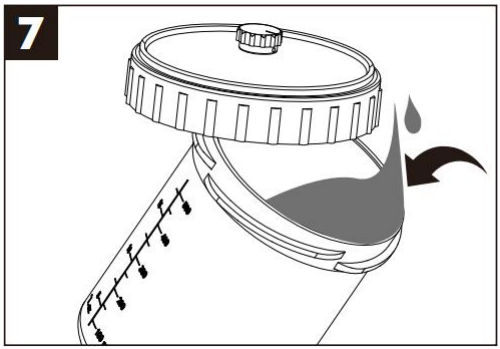
Turn the Fluid Adjustment Knob clockwise to make sure the air inlet is closed.



Hold the Gun Trigger. Then turn the Air Pressure Regulator Knob counterclockwise to raise the air pressure up to 2.5bar.
WARNING: MAX 2-2.5Bar/29-36psi.



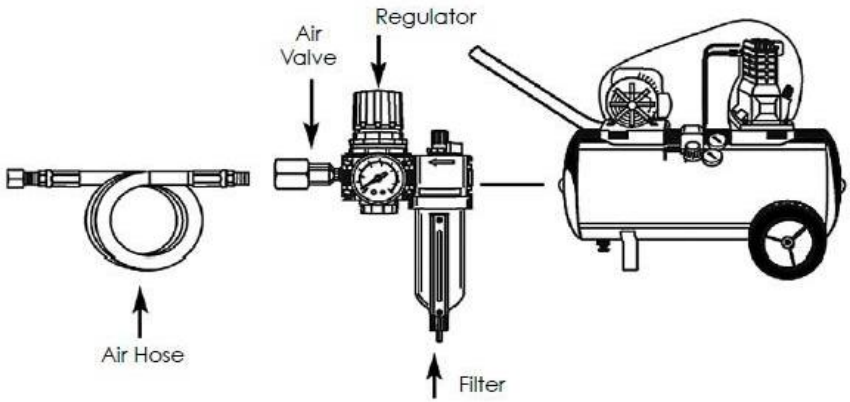
Change the spray pattern at vertical or horizontal by rotating the Air Cap at 90°



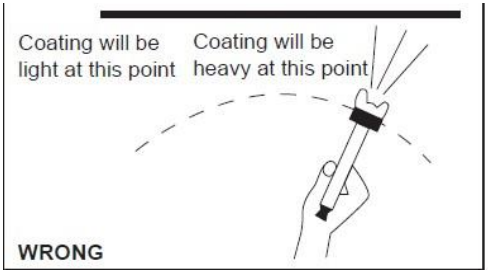
Mix coating material by Manufacturers' instructions and pour into the Paint Cup.

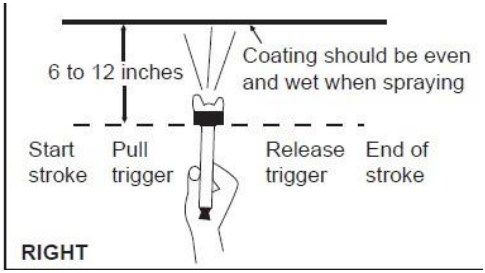
OPERATION

- Connect the air source hose to the gun. Make sure the air pressure is not exceed 36psi(2.5bar)



- Pull the trigger slowly and move the Spray gun in parallel strokes to the object being painted. Keeps the distance from the object being painted at 6” to 12”. This may slightly differ depending on the flow adjustment and the material being sprayed.
- Release the trigger after each forward movement; pull the trigger again on the return movement.
- When using a vertical pattern, move the spray gun in a horizontal motion; with a horizontal pattern move the spray gun in a vertical motion. A round pattern requires to greater distance from the object being pointed.





WARNING

--TURN OFF AIR AND COATING MATERIALS TO THE GUN AND RELEASE PRESSURE BY TRIGGERING THE GUN BEFORE DISASSEMBLINGM, CLEANING OR SERVICING.
--PAY ATTENTION WHEN DISASSEMBLING SPRAY GUN SINCE YOU MUST TOUCH SHARP PARTS.
--DO NOT DISASSEMBLE WITHOUT RECEVING ENOUGH KNOWLEDGE AND EDUCATION.

SPRAY GUN

1. Submerge the front end of the gun in solvent just until the fluid connection is covered.
2. Paint that has built up on the gun should be removed using a bristle brush and solvent.
3. Never submerge all of the spray gun in solvent because:
• This will dissolve the lubricant in the packings and on wear surfaces, causing them to dry out and resulting in difficult operation and faster wear.
• Air passages in the gun will become clogged with dirty solvent.
4. Using a rag moistened with solvent, wipe down the outside of the gun.
5. Oil gun daily. Use a drop of lightweight machine oil on:
A. fluid needle packing
B. air valve packing
C. trigger pivot point See Fig. 1 for Location of above points.
6. NOTE: Do not soak rubber o-rings or seals in paint thinner. O-rings and seals can be wiped clean with paint thinner but soaking can cause these items to deteriorate over time.
7. Caution: Do not use lubricants which contain silicone. Silicone may cause defects in the finish application.

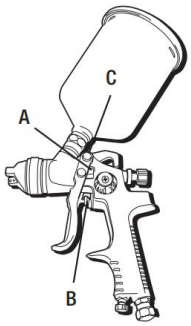


Fig. 1

CAUTION

To avoid cross-threading, all spray gun parts should be screwed in hand tight initially. If the parts can not easily be turned by hand, be sure you have the correct parts, unscrew, realign, and try again.

NEVER use excessive force in matching parts.

AIR NOZZLE, FLUID NOZZLE, AIR VALVE ASSEMBLY

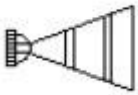
1. All nozzles and needles are made to exact standards. They should be handled carefully.
2. To clean nozzles, immerse them in solvent until any dried material is dissolved, then blow them clean.
3. Do not use metal or sharp instrument to probe any of the holes in the nozzles.
4. Air flow should occur before fluid-flow when the gun is triggered. It may be necessary to adjust the fluid control screw to make sure air flows before fluid.
5. Do not alter the gun in any way.

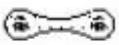
GRAVITY FEED

Turn off air supply. Remove cover of cup. Empty the cup of material.

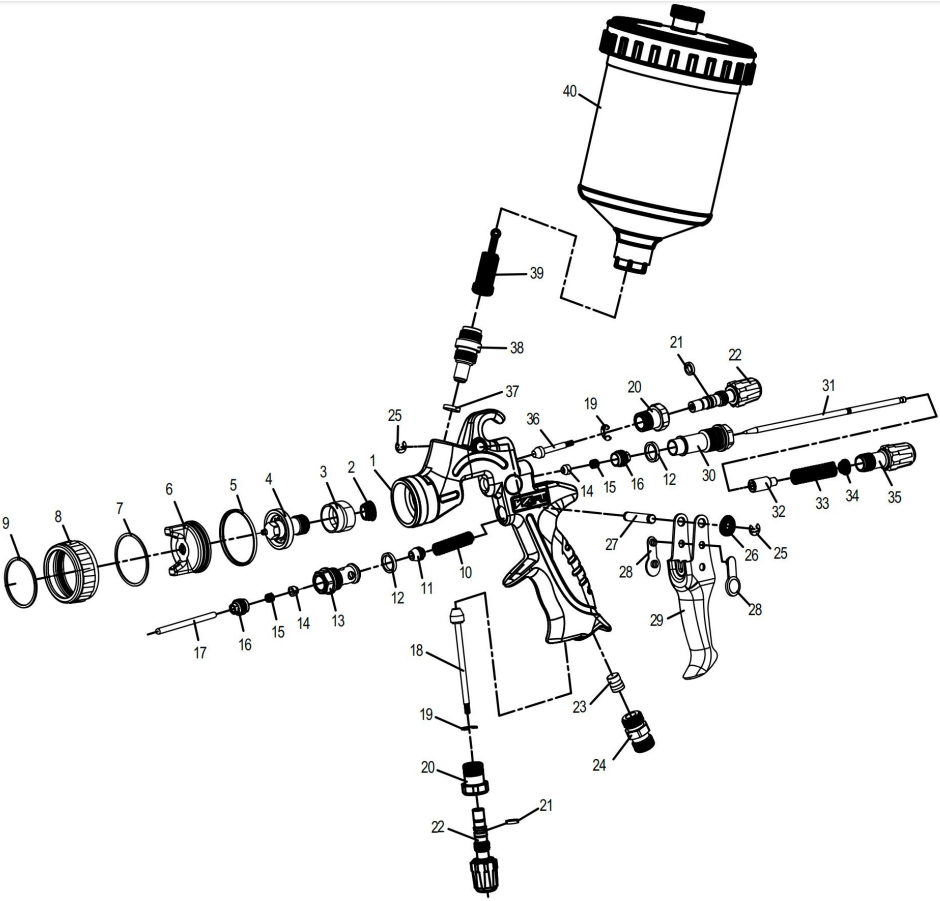
Clean the cup and cover. Turn on air supply and spray with proper cleaning solvent. Repeat with clean solvent if necessary. Remove solvent, disconnect gun, remove air cap and clean. Wipe gun and cup with rag dampened with solvent.

Troubleshooting

SPRAY PATTERN	REASON	SOLUTION
 RING	1. Air enters between material nozzle and nozzle seat 2. Air enters between the airflow separating ring and gun body or nozzle seat 3. Air enters near the needle sealing nut 4. Air enters between material passage connector and cup	1. Assembly parts again after clean the connecting part between material nozzle and nozzle seat. Or change these two parts when they are damaged. 2. Assembly parts again after do the cleaning works or change new ones when they are damaged. 3. Rocking the needle sealing nut. 4. Assembly and locking the relative parts again after do the cleaning works.
 CRESCENT	Some eye winker block on the holes of airflow nozzle that caused the asymmetry painting from the horn holes.	Using brush to clean the eye winker from the horn holes completely. But it is not allowed to clean by some metal cleaning device.
 INCLINED	1. Some solids cling between the material nozzle and airflow nozzle. 2. Some solids cling on the exit part of material nozzle.	1. Clean the solids and change relative parts if some of them are damaged. 2. Assembly the parts again after cleaning the join between material nozzle and nozzle set.

 SPLIT	1. Paint viscosity too low 2. Fluid output too high.	1. Add paint to increase viscosity. 2. Adjust the spray adj. valve set to low, but the spray pattern will be small.
 HEAVE CENTER	1. Paint viscosity too high 2. Fluid output too high	1. Add thinner to reduce viscosity. 2. Adjust the spray adj. valve set to higher.

Parts List and Accessories



NO	NAME	QTY
01	Gun body	1
02	Sealing ring of material nozzle	1
03	Airflow isolation ring	1
04	Material Nozzle	1
05	Sealing gasket	1
06	Air Nozzle	1
07	Air Nozzle gasket	1
08	Air cap	1
09	Circlip	1
10	Air valve spring	1
11	Air valve cap	1
12	Needle sealing gasket	2
13	Air valve body	1
14	Needle sleeve	2
15	Needle sealing spring	2
16	Air valve seal screw	2
17	Air valve stem	1
18	Airflow adj.stem	1
19	Opening stopper 5	2
20	Airflow adj.seat	2
21	Airflow adj.sealing ring	2
21	Airflow adj.sealing ring	2
22	Airflow adj. knob	2
23	Stopper	1
24	Air inlet connector	1
25	Opening stopper 4	2
26	Trigger elastic cushion	1
27	Trigger pin	1
28	Label	2
29	Trigger	1
30	Needle adj.seat	1
31	Needle	1

32	Needle seat	1
33	Needle adj.spring	1
34	Needle spring seat	1
35	Needle adj. knob	1
36	Pattern adj.stem	1
37	Needle sealing gasket	1
38	Material passage connector	1
39	Filter (A)	1
40	Cup	1

Accessories

1. Oil-water separator *1
2. Barometer *1
3.3M paint cup adapter *1
4. Manual wrench *1
5. Large cleaning brush *1
6. Small cleaning brush *1
7. Pagoda Air Nozzle *1
8. Fixed nut *1
9.Filter screen *1
10. Nozzle + nozzle + ejector pin *2 sets (one set each of 1.4mm /1.7mm specifications)

Note: This product is furnished with three sets of air nozzle kits, with specifications of 1.3mm, 1.4mm, and 1.7mm respectively, the 1.3mm air nozzle kit has been installed in the gun body. Each kit is marked with its corresponding size. Please use them strictly in line with the corresponding specifications and avoid mixing them.

Note: The nozzle kit is a precision tool. Please keep it properly

PRODUCT PARAMETER

MODEL NO	RF6000AG		
Fluid Orifice	1.3mm	1.4mm	1.7mm
Air Inlet	1/4NPS		
Inlet Pressure	29-36PSI		
Avg. Air Consumption	5-10CFM		
Nozzle adjustment	360°		
Cup Size	600mL		

Manufacturer: Shanghaimuxinmuyeyouxiangongsi
Address: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, shanghai 200000 CN.
Imported to AUS: SIHAO PTY LTD. 1 ROKEVA STREETEASTWOOD NSW 2122 Australia
Imported to USA: Sanven Technology Ltd. Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

UK REP

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