VEVOR®

TOUGH TOOLS, HALF PRICE

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High Pressure Airless Paint Sprayer

VEVOR®

TOUGH TOOLS, HALF PRICE

HIGH PRESSURE AIRLESS PAINT SPRAYER

RP8628

RP8628 PLUS

NEED HELP? CONTACT US!

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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.

1. Important safety instructions

This instruction manual is intended for your benefit. Please read and follow the safety, installation, maintenance and troubleshooting steps described within to ensure your safety and satisfaction. The contents of this instruction manual are based on the latest product information available at the time of publication. The manufacturer reserves the right to make product changes at any time without notice.

The safety instructions provided in this manual are not intended to cover possible conditions and practices that may occur when operating, maintaining and cleaning power equipment.

Always use common sense and pay particular attention to all the DANGER, WARNING, CAUTION and NOTICE statements in this manual.

	Warning - To reduce the risk of injury, the user must read the instructions manual carefully. Read and understand this instruction manual prior to using this product. failure to do so may result in serious injury or death.
	Alternating current
	This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendation shown below.
	**Danger!** Risk of personal injury or environmental damage! Risk of electric shock! Risk of personal injury by electric shock!
	Warning- Be sure to wear ear protectors when using this product.
	Warning- Be sure to wear eye protectors when using this product.
	Warning- Be sure to wear dust masks when using this product.
	Warning- Be sure to wear gloves when using this product.

	Risk of Fire
	 Risk of Explosion.
	 Risk of Skin Injection.
	 Risk of Toxic Fumes. Use onlyin well ventilated areas.
	Pressurized Aluminum Parts Hazard.
	Avoid ignition sources such as pilot lightscigarettes, portable lamps, etc.
	Relieve System Pressure.
	Hot Surfaces/Burn Hazard.
	**Disposal information:** This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices.
	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.

Maintain labels. These carry important information. The label on your tool may include the following symbols. The symbols and their definitions are as follows:

Symbol	Property or Statement
	Safety Alert Symbol
V	Volts
A	Amperes
Hz	Hertz
W	Watts
	Alternating Current (AC)
	Direct Current (DC)
	Alternating or Direct Current (AC/DC)
	Eathing Terminal
	Class I construction (grounded)
	Class II construction (double insulated)
PSI	Pounds Per Square Inch
MPa	Megapascals
RPM	Revolutions Per Minute
min	Minutes
s	Seconds

GENERAL POWER TOOL SAFETY RULES

AWARNING

READ ALL SAFETY WARNINGS AND ALL INSTRUCTIONS. Failure to follow the **warnings and instructions** may result in electric shock, fire, explosion, and/or serious injury.

SAVE ALL WARNINGS AND INSTRUCTIONS FOR FUTURE REFERENCE.

The term "power tool" in the warnings refers to your mains-operated (corded) power

tool.

WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

PERSONAL SAFETY

- **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.**
- **Use personal protective equipment. Always wear eye protection with side shields. Protective equipment such as respirators, dust masks, nonskid safety shoes, hard hat, and hearing protection will reduce personal injuries.**
- **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source, picking up or carrying the tool. Carrying power tools with your finger on**
- the switch or energizing power tools that have the switch on invites accidents.
- **Do not overreach.** Always keep proper footing and balance to enable better control of the power tool in unexpected situations.
- **Dress properly.** Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts.
- **Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.
- **Do not let familiarity gained from frequent use of tools allow you to become**

complacent and ignore safety principles. A careless action can cause severe injury within a fraction of a second.

- **This product is not intended for use by persons (including children) whose physical, sensory, or mental capabilities are different or reduced, or lack experience or knowledge unless such persons receive supervision or training in the operation of the appliance by a person responsible for their safety.** Children should be **supervised** to ensure that they do not use the device as toys.

POWER TOOL USE AND CARE

- **CLEAN THE SPRAYER AFTER EACH USE.**
- **Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.**
- **Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.**
- **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.**
- **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.**
- **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.**

SERVICE

- **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.
- **Check for damaged parts before each use.** Check to determine that guards operate properly and perform their intended function. Check for alignment of

moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center. Following this rule will reduce the risk of shock, fire, or serious injury.

- **Inspect power tool cord periodically and, if damaged,** it must be replaced only by the manufacturer or by an authorized service center to avoid risk. Following this rule will reduce the risk of electric shock or fire.
- **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.

SPECIFIC SAFETY WARNINGS

AWARNING

This sprayer is not intended for use with flammable or combustible materials used in industrial or fixed location applications such as factories or paint shops. Follow all applicable federal, state, or provincial regulations and comply to NFPA 33 and OSHA requirements if used in these applications.Follow all applicable federal, state, or provincial regulations and comply to NFPA 33 and OSHA requirements if used in these applications.

FIRE SAFETY

! DANGER

To reduce the risk of fire or explosion:

- **Fumes from solvent and paint are flammable and may ignite or explode.** Use only in a well-ventilated area and allow fresh air to move through **the** work area. Keep the pump well-ventilated and do not spray the pump assembly.
- **Sprayer generates sparks.** When flammable liquid is used in or near the sprayer or for flushing or cleaning, keep sprayer at least 20 feet (6 m) away from explosive

vapors.

- **Do not spray flammable or combustible materials near an open flame or sources of ignition such as water heaters, cigarettes, motors, and electrical equipment with pilot lights.** Use only water-based or mineral spirit-type materials with a flash point greater than 70°F (21°C).
- **Paint or solvent flowing through the equipment can result in static electricity.** Static electricity creates a risk of fire or explosion in the presence of paint or solvent fumes. All parts of the spray system, including the pump, hose assembly, spray gun, and objects in and around the spray area shall be properly grounded to protect against static discharge and sparks. Use only conductive or grounded high pressure airless paint sprayer hoses specified by the manufacturer.
- **Prevent static discharge by ensuring that all containers and collection systems are properly grounded.**
- **Always use a grounded outlet and grounded extension cords.** Do not use a 3-to-2 plug adapter.
- **Do not use a paint or solvent containing halogenated hydrocarbons.** Know the contents of paints and solvents being sprayed. Read all Material Safety Data Sheets (MSDS) and container labels provided with the paints and solvents. Follow the paint and solvents manufacturer's safety instructions.
- **Always keep a working fire extinguisher nearby.**
- **Do not smoke in the work area.**
- **Do not operate light switches, engines, or similar spark producing products in the spray area.**
- **Keep the work area clean and free of paint or solvent containers, rags, and other flammable materials.**

ELECTRICAL SAFETY

DANGER

To reduce the risk of electric shock:

- **This product requires a properly grounded outlet to reduce the risk of electric shock.**

Ensure the power outlet is properly grounded in accordance with all local codes and ordinances. The plug and outlet should look like those in Fig. A. Consult with a qualified electrician or service person if grounding instructions are not understood or if there is doubt as to whether the equipment is properly grounded.

- **Do not modify the power cord plug provided with the tool.** Never remove the grounding prong from the plug. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.
- **Do not use the tool if the power cord or plug is damaged.** If damaged, have it repaired by a service facility before use.
- **Outlet must match the plug.** Do not use any kind of adapter with an earthed (grounded) plug. Unmodified plugs and matching outlets will reduce the risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.
- **Do not expose this product to rain or wet conditions.** Water entering the product will increase the risk of electric shock.
- **If an extension cord is needed, use a 12 AWG (2.5mm') minimum to supply the correct amount of current for the tool.** An undersized cord will result in voltage drop which will cause loss of power and overheating.
- **Use only a 3-wire extension cord with a grounding plug that has a properly grounded receptacle that will accept the plug on this tool.**

- **Follow local codes when choosing a solvent pail for flushing.** Use only conductive metal pails placed on a grounded surface such as concrete. Do not place the pail on a nonconductive surface such as paper or cardboard. Connect a ground wire between the pail and a ground such as a metal pipe. When flushing or relieving pressure

hold a metal portion of the spray gun against the pail to ensure continuity to ground then spray.

- **To maintain grounding continuity when flushing or relieving pressure: hold metal part of the spray gun firmly to the side of a grounded metal pail, then trigger the gun.**

SKIN INJECTION SAFETY

IN CASE OF ACCIDENTAL SKIN INJECTION SEEK IMMEDIATE MEDICAL TREATMENT! High pressure spray or leaks can penetrate skin resulting in serious injury or death.

To reduce the risk of skin injection:

- **Verify all connections are tightened BEFORE turning on the unit.**
- **Do not aim the gun or spray at any person or animal.**
- **Keep hands and other body parts clear of spray tip and leaks.** Do not attempt to stop leaks with any part of the body.
- **Always use a nozzle tip guard.** Never spray without a nozzle tip guard installed.
- **Engage the trigger lock when not spraying.** Equipment maintains pressure after power is shut off.
- **Inspect the hoses and parts for any damage before each use.** Replace any damaged hose or parts only with original replacements.

- **Replacement components must have a pressure rating not less than the pump rating of 3000 PSI (205 bar).**

- **Always follow the Pressure Relief Procedure to turn off and relieve pressure. Do** notleavethe unit energized or under pressure while unattended or not in use.
- **Use caution when cleaning and changing hoses, nozzle tips, tip guards, or when installing extensions.** Follow the Pressure Relief Procedure for turning off and relieving pressure before attempting to change.

HOT SURFACE SAFETY

Equipment surfaces and fluid that are pressurized can become hot during operation. Avoid burns by not touching hot fluid or equipment.

EQUIPMENT SAFETY

MISUSE OF THIS EQUIPMENT CAN CAUSEDEATH OR SERIOUS INJURY.

- **Do not operate the unit when fatigued or under the influence of drugs or alcohol.**
- **Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin,inhaled,** or swallowed.Always wear personal protective equipment including eye protection,face shield, ear protection and respirator or face mask. Always review the MSDS and know the specific hazards for the fluid you are using.
- Do not exceed the maximum working pressure or temperature rating of the lowest rated

system component.

- **Use fluids and solvents that are compatible with equipment.** Always read fluid and solvent manufacturer's warnings.
- **Pressurized equipment can start without warning.** Before inspecting, moving, or servicing the equipment, follow the Pressure Relief Procedure in this manual and disconnect the power supply.

PRESSURIZED ALUMINUM SAFETY

Using fluids that are incompatible with aluminum in pressurized equipment can cause a serious chemical reaction and equipment rupture. Failure to follow this warning could result in death,serious injury, or property damage.
Do not use 1,1, 1 - trichloroethane, methylene chloride, or other halogenated hydrocarbon solvents or fluids containing such solvents.
Many other fluids can contain chemicals that may react with aluminum. Contact your material supplier for compatibility

FCC INFORMATION

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment!

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1) This product may cause harmful interference.

2)This product must accept any interference received, including interference that may cause undesired operation.

WARNING: Changes or modifications to this product not expressly approved by the party.responsible for compliance could void the user's authority to operate the product.

Note: This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules, These limits are designed to provide reasonable protection against harmful interference in a

residential installation.

This product generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this product does cause harmful interference to radio or television reception,which can be determined by turning the product off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

· Reorient or relocate the receiving antenna.

· Increase the distance between the product and receiver.

· Connect the product to an outlet on a circuit different from that to which the receiver is connected.

· Consult the dealer or an experienced radio/TV technician for assistance.

WARNING

Prior to using this product, please read and understand all instructions and safety warnings. Improper use may result in serious injury or property damage.

1.Warnings must be followed carefully to avoid body injury. Improper use may result in electric shock , fire, personal injury and other damage:

1)Keep unplugging when moving the machine.

2)Keep unplugging when installing accessories

3)Place on a flat and stable platform and operate under ventilated conditions

4)Wear special protective equipment when operating the machine

5)Do not use this machine in a hazardous-location.

6)Do not use when the machine is not working properly.

7)Do not disassemble and repair this machine.

8)Do not use an unsuitable AC Outlet.

9)Do not touch the heating plate when the machine is heating .

10)Do not use in a humid environment or contact with water. Do not infiltrate liquid in the machine to prevent fire or electric shock caused by short circuit.

11)Do not use the power supply that does not meet the rated voltage .The

power supply that does not meet the specified voltage may cause fire or electric shock.
12)Ensure that the machine is grounded so as not to cause harm to the body.
13)Do not touch the rotating rod or bearing part with your fingers during use in case of injuries.
14)If the machine is not in use for a long time, please unplug the power cord from the socket.
15) Do not use the machine during thunderstorms or lighting to avoid damage to the machine.
16)Place the machine smoothly on the flame-retardant table and keep away from flammable and explosive items.
17)Please stop using it if the machine smokes, emits a peculiar smell, or becomes noisy and in other abnormal conditions.
18)This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance.Cleaning and user maintenance shall not be made by children without supervision
19) Type Z attachment: If the supply cord cannot be replaced. If the cord is damaged the appliance should be scrapped.
20) In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.

SPECIFICATIONS

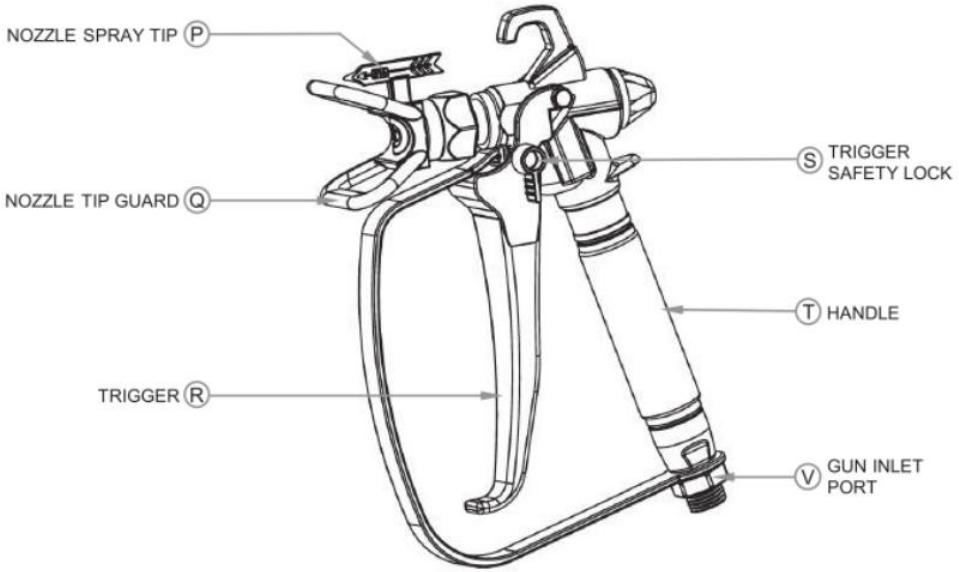
Items	Description	RP8628	RP8628 PLUS
1	Rated Voltage:	120VAC 60Hz(For US user)	120VAC 60Hz(For US user)
2	Rated Voltage:	230VAC 50Hz(For Europe user)	230VAC 50Hz(For Europe user)
3	Rated Power:	950 W	950 W
4	Maximum Working Pressure (MWP):	3000 PSI	3000 PSI
5	Maximum Delivery:	2.0 LPM	2.0 LPM
6	Work Environment Temperature:	5° C - 40° C / 40° F - 105° F	5° C - 40° C / 40° F - 105° F
7	Standard Nozzle:	517	517
8	Transportation and Storage Temperature:	-13° F-131° F (-25° C-55° C)	-13° F-131° F (-25° C-55° C)
9	Hose Length:	15 m / 50 ft	15 m / 50 ft
10	Paint Outlet Connector Size	1/4”-18 NPSM	1/4”-18 NPSM
11	G.W.:	11.0kg	14.2kg

FEATUREI DENTIFICATION

RP8628 SPRAYER:

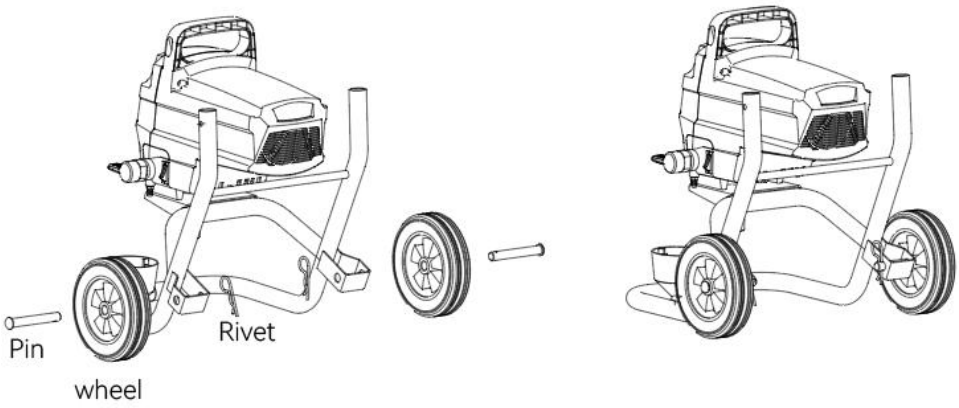
Number	Description	Function Introduction
1	Pressure Adjust Knob	Control output pressure of Paint(Clockwise increase pressure, anticlockwise decrease pressure)
2	Electrical Switch	Control the sprayer on or off
3	Pressure Relief Valve	Horizontal direction means the paint operating condition, Vertical direction means paint pressure relief condition
4	Fluid Outlet	Paint Output Tube
5	Suction Tube	Absorb the paint from the container to sprayer
6	Drain Hose	When pressure relief, the paint flow from this tube

RP8628 & RP8628 PLUS AIRLESS SPRAY GUN

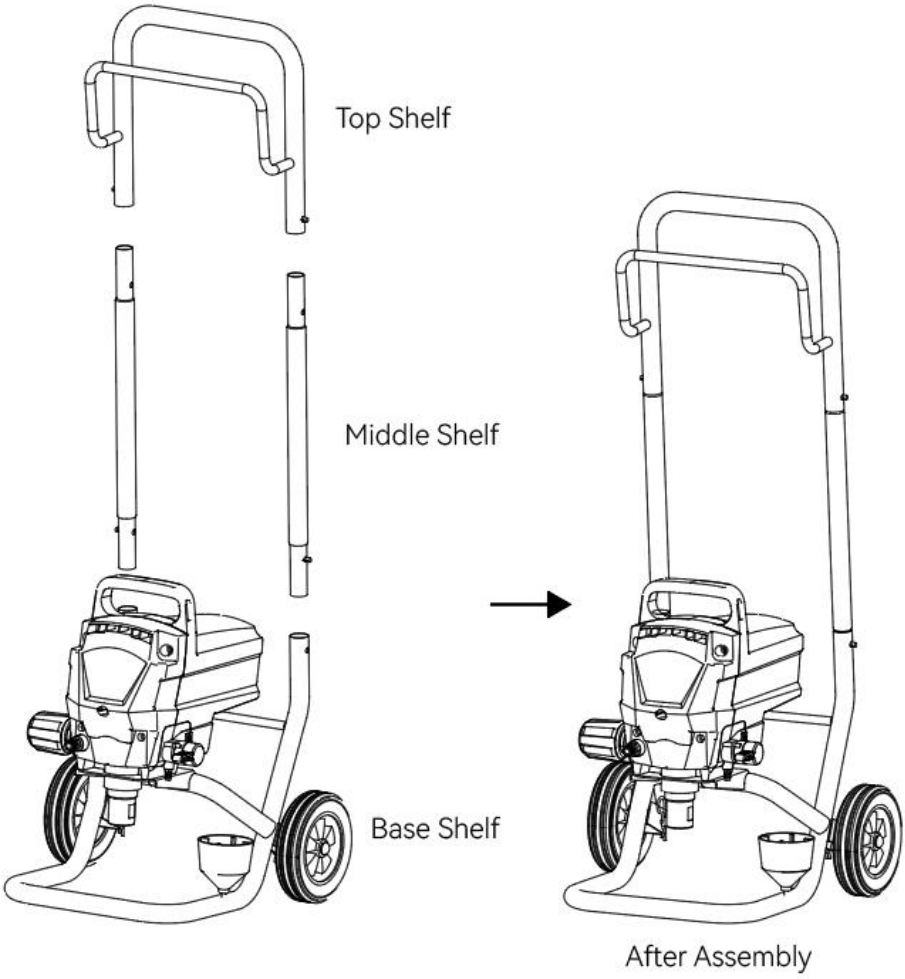


8628 PLUS

wheel installation



Shelf installation



INSTALLATION

Returns are not accepted & warranty is void if the sprayer is not properly cleaned immediately after every use. Clean the sprayer immediately to prevent permanent damage.

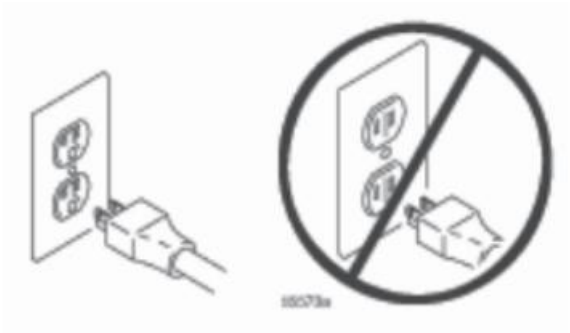
Grounding and Electric Requirements

Grounding Instructions This product must be grounded.

In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances. Improper installation of the grounding plug can result in a risk of electric shock.If repair or replacement of the cord or plug is necessary, do not connect the green grounding wire to either flat blade terminal. The wire with insulation having a green outer surface with or without yellow stripes is the grounding wire and must be connected to the grounding pin. Check with a qualified electrician or serviceman if the grounding instructions are not completely understood, or if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided. If the plug will not fit the outlet, have the proper outlet installed by a qualified electrician.

The sprayer cord includes a grounding wire with an appropriate grounding contact.

Never use an outlet that is not grounded or an adapter.



Do not use the sprayer if the electrical cord has a damaged ground contact. Only use an extension cord with an undamaged ground contact.

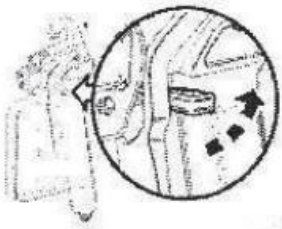
Smaller gauge or longer extension cords may reduce sprayer performance.

Spray gun: ground through connection to a properly grounded fluid hose and pump.
Fluid supply container: follow local code.
Solvent and Oil-based fluids: follow local code. Use only conductive metal pails placed on a grounded surface such as concrete.Do not place the pail on a non-conductive surface such as paper or cardboard, which interrupts grounding continuity.
Grounding the metal pail: Connect a ground wire to the pail by clamping one end to pail and other end to ground such as a water pipe.

Locking and Unlocking the Spray Gun:

 Always lock the trigger off when attaching the spray tip or when the spray gun is not in use.

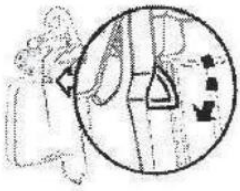
Locking the Spray Gun



The gun is secured when the trigger lock is at a 90 angle(perpendicular) to the trigger in either direction.

Unlocking the Spray Gun

To unlock the gun,turn the trigger lock to be in line with the trigger.



Applicable for wall painting paint, clean with water.
Electrical bonding

A high pressure hose, hose assembly, and spray gun assembly shall be constructed to provide electrical bonding to dissipate static electricity from the tip of the Spray gun through the spray gun assembly and the couplings at the ends of the hose to the pump assembly. The spray gun assembly shall also provide an external means to dissipate static electricity during the cleaning process when spraying into a metal container. Construction Black hose is constructed of an extruded, seamless thermoplastic inner tube, chemically bonded to multi-layers of high tensile synthetic resistant polyurethane cover. A static drain element of flexible,eclectically conductive material is located between the braid layers.

FEATURES

- Polyurethane cover permits greater flexibility and tighter bends.
- Resistant to flex fatigue.
- Dissipates static charge.
- Will not swell or degrade in contact with most paint chemicals, oils and most other solvents.
- Light weight- approximately half of comparable rubber or wire hose.
- O.D smaller than comparable rubber hose without reducing the I.D.,

pressure rating, or fluid-carrying capacity highly abrasion resistant.

- Extremely durable.

Operating Instructions
BEFORE STARTING

(1)CHECK all fittings and connections in the pump system, hose, and gun to ensure that they are tight.
CHECK to ensure that there is a spray tip in the gun, and that the tip is the correct size for the coating you are to spray. (There are various tips available, for each type of coating or configuration.)(2) MAKE SURE the power source is securely grounded and matches the motor rating of your sprayer.
(3) New spray: Oil is used by the factory for testing and protection. It is necessary to flush unit before spraying. Clean the pump with warm soapy water. Make sure the hydraulic oil in the pump is clean and sufficient in volume then begin the following procedure.
1. Remove spray tip from gun.
2. Put the input hose and pressure relief tube into the bucket with some water,3. Turn on the motor and push the pressure valve upright. In a few seconds, water will begin to flow up through the tube and flow out from outlet valve, tighten the outlet valve deasil, then tighten the pressure valve deasil.
4. When the pressure reaches up to around 207 bar, check if there is any leakage on the outlet hose. If it's leak, please check. Don't stop or deflect leaks with your hand, body, glove or rag.
5. If doesn't leak, open the spray gun and have a testing spray. Clean the oil in pump. Change the soapy water and use clean water when the spray is clean
6. Turn off power. Continue to spray till no water is out.
7. Unlock trigger lock. Put the pressure valve upright, till no soapy water in pump.

Pressure Relief Procedure

Follow this Pressure Relief Procedure whenever you are instructed to relieve pressure, stop spraying, check or service equipment or install or clean spray tip.

1.Turn OFF power and turn pressure control to lowest pressure setting.

2.Hold gun against side of grounded metal flushing pail. Trigger gun to relieve pressure.

3.Turn prime valve down. Our pressure relief should operated by hand.

4.If you suspect the spray tip or hose is clogged or pressure has not been fully relieved after following the steps above, SLOWLY loosen the tip guard retaining nut or hose end coupling to relieve pressure gradually, then loosen completely clear hose or fig obstruction.

5.Engage trigger safely lock on gun if unit is being shut down or left unattended.

Operation

Setup

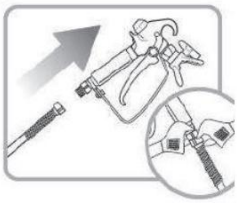
WARNING:

Make sure sprayer is turned off and unplugged from power source.

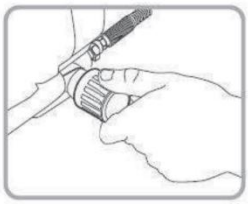
Setup:

Note: Remove or cover objects that you want to protect from over spray (paint mist)

1. Attach Paint Hose to Paint Hose Outlet and tighten with wrench.



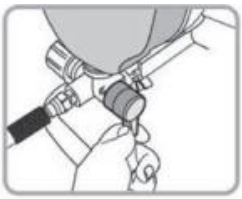
2. Attach Paint Hose Paint Gun and tighten with two wrenches



3. Turn Pressure Control Knob to Low Pressure Spray setting.

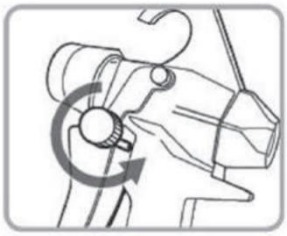
To Relieve Sprayer Pressure

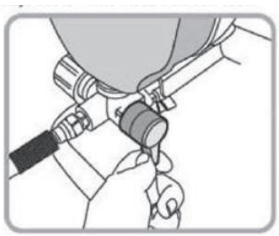
1. Tum Power Switch off and unplug unit from outlet.



2.Switch Prime/Spray switch to Prime mode

3. Point gun into paint pail and activate Sprayer Trigger to relieve pressure.





4.Turn Trigger Lock Knob to Locking position.	Note: Always set to Prime mode between uses

Pressure release procedure

Whenever instructed to relieve pressure, Stop spraying, Check or service equipment or install or clean spray tip.

1.Engage trigger safety lock on gun. Turn Off power and turn sprayer pressure control to lowest pressure setting.

2.Hold gun against side of flushing pail. Trigger gun into pail to relieve pressure.

3. Turn off pump and release fluid pressure by turning the pressure relief prime valve located on the side of the pump down.

RETURNS NOT ACCEPTED & WARRANTY VOID

If Sprayer is not properly cleaned immediately after every use.

Clean Sprayer immediately to prevent permanent damage.

Priming Spray Gun

This procedure is used for first time operation and also to flush storage fluids gut of the Sprayer.

Priming Water-Based vs. Oil-Based Paints

Oil-bused Paint:

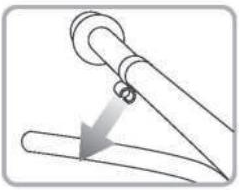
Flush with mineral spirits. followed by warm clean water.

WARNING! TO PREVENT FIRE:

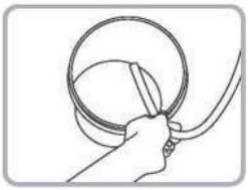
When using mineral spirits, ground gun by holding it against a metal container while flushing.

Water-based (Latex) Paint: Flush with warm clean water.

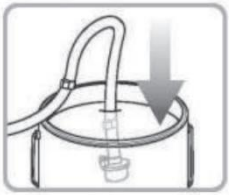
Priming and Startup Steps



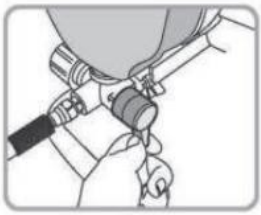
1. Separate smaller Priming Tube from Suction Tube.



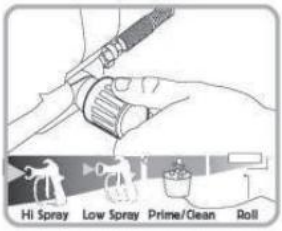
2. Place Priming Tube in waste bucket



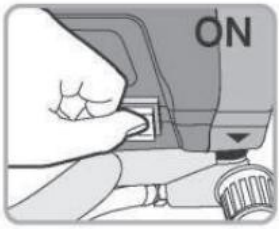
3. Submerge Suction Tube in water or flushing solvent



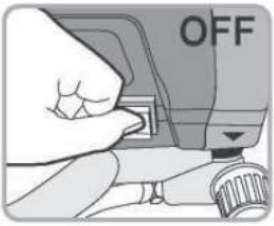
4.Turn Prime/Spray switch to Prime mode



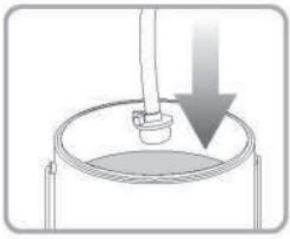
5.Adjust Pressure Control Knob to Prime/Clean setting



6. Plug in Sprayer and turn on power



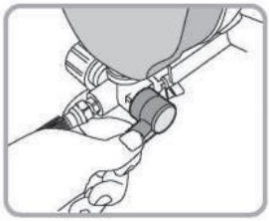
7.Sprayer will start pumping and water or flushing solvent well as air bubbles will be purged from system let fluids discharge from Priming Tube into waste bucket for 30 to 60 seconds then switch Power to Off

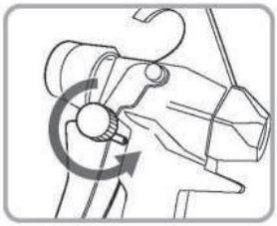


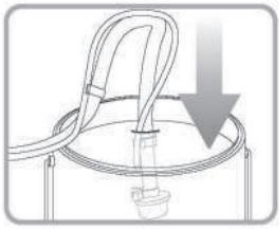
8. Remove Suction Tube from water or flushing solvent and submerge in paint pail

9. Switch Power to On

10. Paint should work itself from Suction Tube to Sprayer to Priming Tube until paint discharges from Return Tube Point gun into waste bucket and pull trigger







11. Turn Spray/Prime Switch to Spray mode and continue to spray into waste bucket

12. Stop spraying and activate trigger lock

13. Remove the Priming Tube from the waste bucket and clip to Suction Tube and submerge in paint pail

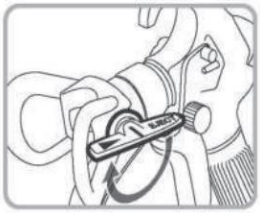
14. If the motor stops, the pump and tubes are primed if it does not stop, repeat priming steps.

15.Start Painting

Priming

Before painting ensure the Sprayer has been primed(see Priming and Startup steps) and verify that Nozzle Tip is aligned properly

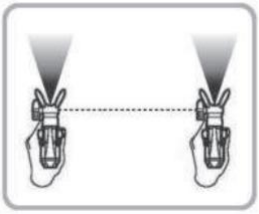
Note: Remove or cover objects that you want to protect from over spray and paint mist

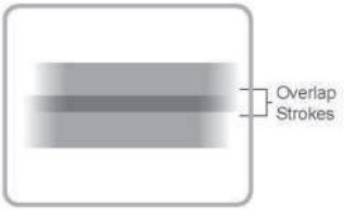


1. Once primed, adjust nozzle to Spray setting	2.Start spraying at the lowest setting on the Pressure Control Knob and increase pressure as needed

Painting Techniques

Before painting ensure the Sprayer has been primed(see Priming and Startup steps) and verify that Nozzle Tip is aligned properly keep the gun approximately 1 foot from the surface.

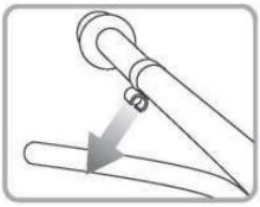




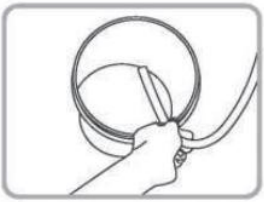
1. Keep gun straight and move arm across at a steady rate while staying one foot from the surface	2. Do not fan the gun or paint will be uneven	3. Overlap strokes by half, always aim stroke at bottom edge of last stroke

Cleaning

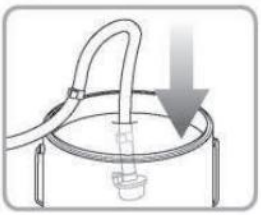
1.Relieve pressure and drain paint from Tubes



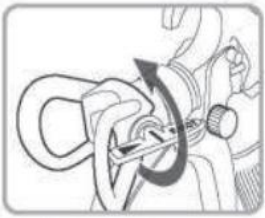
2.Separate tubes;

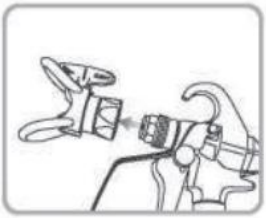


3. Place Priming Tube in empty waste bucket

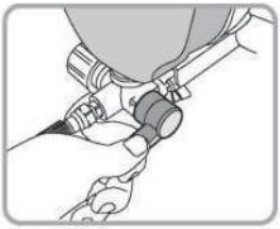


4.Submerge Suction Tube in water or flushing fluid



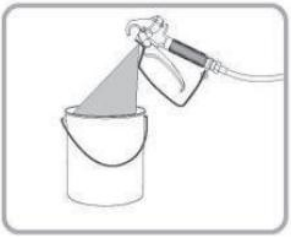


5.Unthread Spray Tip and remove

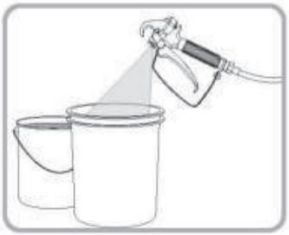


6.Turn to Spray mode

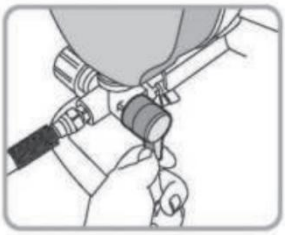
7.Switch power to on



8.Spray paint into paint pail.

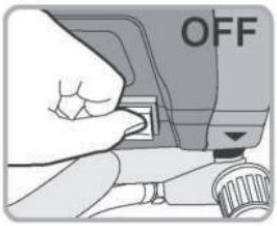


9.Change to waste bucket as paint thins



10. Turn to Prime mode

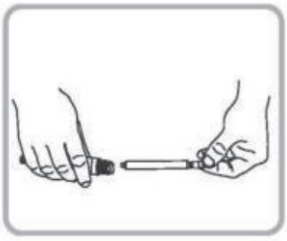
11. Continue to flush until clear



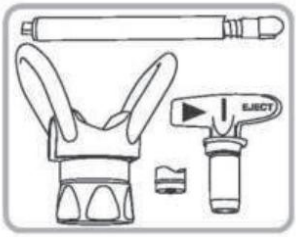
12. Release trigger, turn power off and release pressure.

13. Remove trigger guard from housing

14. Unscrew nut



15. Remove filter

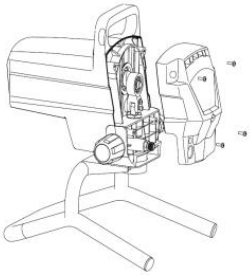


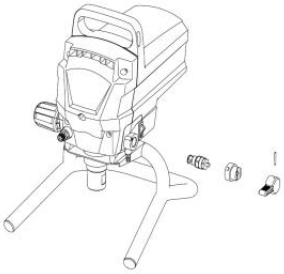
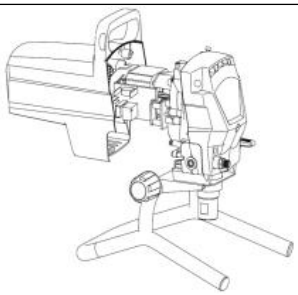
16.Clean all parts in warm, soapy water or flushing fluid with a bristled brush

Spray Tips

Always clean tips with compatible cleaning fluid and brush after spraying. Tips may require replacement after 15 gallons (57 liters) or they may last through 60 gallons (227liters)depending on abrasiveness of paint.

Replacement part list

ITEM	Part	How to fine the parts	
1	Pump assembly 	 Use an adjustable wrench to unscrew the lower pump body assembly.	
2	pistion assembly 	 Step A.Use a Phillips screwdriver to unscrew the 4 screws and remove the pump cover.	 Step B. Use a cross screwdriver to remove the fixing screw and connecting pin limit plate, then pull out the plunger rod connecting pin, and take out the plunger rod assembly from below.

3	Pressure relief valve assembly 	 Knock out the cylindrical pin, remove the switch knob and switch seat, and then use an adjustable wrench to unscrew the pressure relief valve assembly.
4	Pressure relief valve assembly 	 Use an adjustable wrench to unscrew the lower pump body assembly.

Material Compatibility- Material and Paints which Can be used

WATER-BASED MATERIAL: All sprayers CAN be used with water-based interior and exterior materials. Prior to spraying water-based materials, flush your sprayer with water.

Example：Wood lacquer，Latex，Stains...

OIL-BASED MATERIAL: All sprayers CAN be used with oil-based interior and exterior materials. The material label indicates COMBUSTIBLE and that it can be cleaned with mineral spirits or paint thinner. Prior to spraying with oil-based materials, flush your sprayer with mineral spirits.

Example：Acrylics,Decorative paint...

Material Compatibility-Material and Paints which Can not be used

SOLVENT-BASED FLAMMABLE MATERIAL

MATERIALS THAT ARE TOO THICK - requires a larger commercial airless or texture sprayer

· Deck and concrete restoration

· Elastomeric

· Roof coating - sealer, paint or primer

· Epoxy for concrete or fast-drying 1 or 2 component material

· Two component material such as bonding primer, garage floor paint

· Driveway sealer

· Texture or sand filled material

· Plaster

· Materials that include limestone, glass, clay, quartz such as specialty masonry, stucco, brick paint

· Metallic paint

· Magnetic paint or primer

HAZARDOUS MATERIALS

· Paint & stain stripper

· Bleach or any material that includes bleach

· Herbicide

· Insecticide or pesticide

· Disinfectant

Troubleshooting

1.Common Problem of Equipment

Problem	**What To Check** If check is OK,go to next check	**What To Do** When check is not OK, refer to this column
Motor Won't Operate		
Basic Fluid Pressure	1.Pressure control knob setting. Motor will not run f set at minimum (fully counter-clockwise)	1.Slowly increase pressure setting to see if motor starts

	2.Spray tip or fluid filter may be clogged	2.Relieve pressure,then Then clear clog or lean gun filter
Basic Mechanical	1.Pump frozen or hardened pain	1.Thaw sprayer if water or water-based pain has frozen in sprayer.Place sprayer in warm area to thaw. Do not start sprayer until thawed completely.If paint hardened (dried)in sprayer replace pump packing
	2.Displacement pump connecting rod pin Pin must be completely pushed into connecting rod and retaining spring must be firmly in groove or pump pin	2.Push pin into place and secure with spring retainer
	3.Motor.Remove drive housing assembly	3.Replace motor if fan won't turn
Low Output	1.Worn spray tip	1.Relieve pressure,Replace tip
	2.Verify pump does not continue to stroke when gun trigger is released	2.Service pump
	3.Prime valve leaking	3.Relieve pressure,Then repair prime valve
	4.Suction tube connections	4.Tighten any loose connections.Check o-ring on suction tube
	5.Electric supply with volt meter Mater must read 220-240 Vac.Low voltages reduce sprayer performance	5.Reset building circuit breaker, replace building fuse.Repair electrical outlet or try another outlet
	6.Extension cord size and length	6.Replace with a correct,grounded extension card

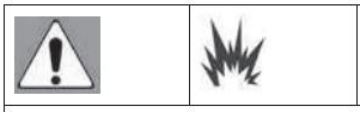
	7.Leads from motor to circuit board for damaged or loose wire connectors. Inspect wiring insulation and terminal for signs of overheating	7.Be sure male terminal pins are connected and firmly connected l female terminals. Replace any loose terminals or damaged wring,Securely reconnect terminal
	8.Worn motor brushes which must be greater than 1/4 in.(6 mm)	8.Replace brushes
	9.Motor brushes binding in brush holders	9.Clean brush holders. Remove carbon dust by using compressed air to blow out brush dust
	10.Low stall pressure.Turn pressure control knob fully clockwise	10.Replace pressure control assembly
	11.Motor armature for shots by using an armature tester (growler) or perform spin test	11,Replace motor

Daily Maintain

Equipment lifetime is rely on daily maintain. The following respects should be obeyed:

1. Read the Manual carefully before first using.
2. Check the electrical requirement before each working.
3.Thorough cleaning equipment and the accessories after using
4.Coil the tube after cleaning, in case of any damage.
5.Add some lubricant if long time not use

General Repair Information



Flammable materials spilled on hot, bare, motor could cause fire or explosion. To reduce risk of burns,fire or explosion, do not operate sprayer with cover removed

- Keep all screws. nuts. washers. gaskets, and electrical fittings removed during repair procedures. These parts usually are
- not provided with replacement kits.
- Test repairs after problems are corrected.·
- If sprayer does not operate properly, review repair procedure to verify you did it correctly. See Troubleshooting.
- Overspray may build up in the air passages. Remove any overspray and residue from air passages and openings in enclosures whenever you service sprayer.
- Do not operate the sprayer without the motor shroud in place. Replace if damaged. Motor shroud directs cooling air around motor to prevent overheating and insulates the control board from accidental electric shock.

To reduce risk of serious injury, including electric shock:
Do not touch moving or electric parts with fingers or tools while testing repair.
Unplug sprayer when power is not required for testing
Install all covers, gaskets, screws and washers before you operate sprayer.

CAUTION

·Do not run sprayer dry for more than 30 seconds. Doing so could damage pump packings

·Protect the internal drive parts of this sprayer from water. Openings in the cover allow for air cooling of the mechanical parts and electronics inside. If water gets in these openings, the sprayer could malfunction or be permanently damaged.

·Prevent pump corrosion and damage from freezing. Never leave water or water-base paint in sprayer when its not in use in cold weather. Freezing fluids can seriously damage sprayer. Store sprayer with Pump Armor to protect sprayer during storage.

SPRAYTIP SELECTION

Spray tips are numbered so that:

SPRAYTIP SELECTION

•The first digit, when multiplied by two, gives the spray width in inches (with the spray tip 1 -foot (30cm) away from the surface being sprayed).

•The last two digits specify the orifice size in thousands of an inch (Note: a larger orifice increases paint flow).

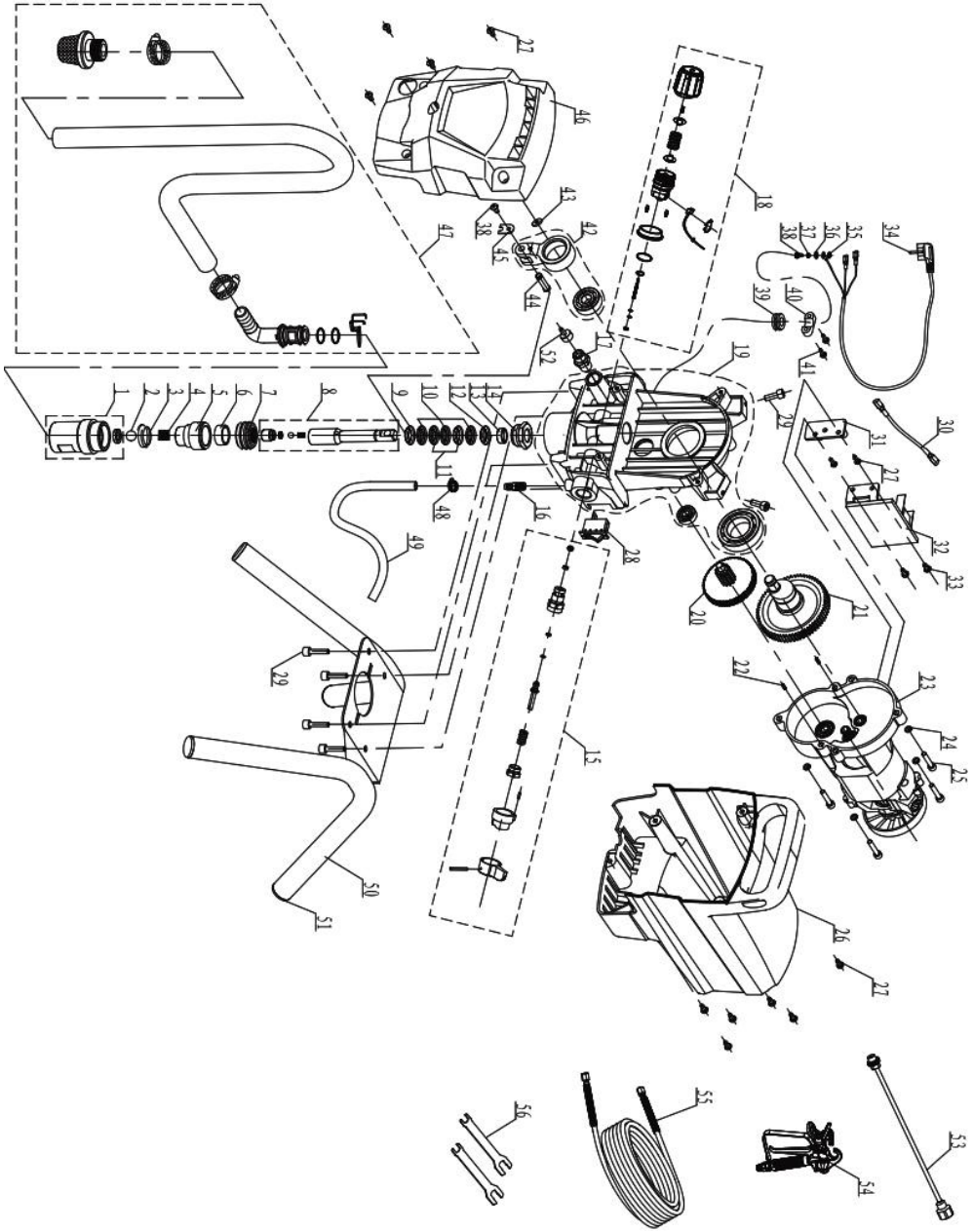
•The following are recommended spray tip orifice sizes for varying types of coating material:

Lacquer & Stain: 0.007” — 0.013" Enamel: 0.011” — 0.015” Acrylic: 0.015” — 0.021”

NOZZLE SPRAY TIP SELECTION CHART

Spray Width (Inches) \ Orifice Size (Inches)	0.007"	0.009"	0.011"	0.013"	0.015"	0.017"	0.019"	0.021"	0.023"	0.025"	0.027"	0.029"	0.031"	0.033"	0.035"
2-4	107	109	111	113	115	117	119	121				129			
4-6		209	211	213	215	217	219	221		225	227	229	231		235
6-8	307	309	311	313	315	317	319	321	323	325	327	329	331	333	335
8-10		409	411	413	415	417	419	421	423	425	427	429	431	433	435
10-12		509	511	513	515	517	519	521	523	525	527	529	531	533	535
12-14		609	611	613	615	617	619	621	623	625	627	629	631	633	635
14-16			711	713	715	717	719	721	723	725	727	729	731	733	735
16-18				813	815	817	819	821	823	825	827	829	831	833	835
18-20									923		927		931	933	935

PARTS DIAGRAM（RP8628）

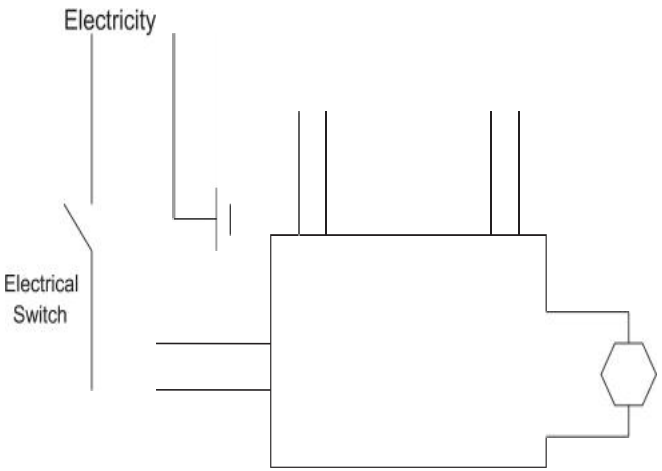


PARTS LIST

No	Description	Qty.	No	Description	Qty	No	Description	Qty
1	Lowe pump body assembly	1	20	Coupling gear	1	39	Power cord retaining ring	1
2	Inlet valve ball (DW=12.303)	1	21	Crankshaft gear assembly	1	40	Base crimping plate	1
3	Rectangular sealing ring	1	22	Pin 5X12	2	41	Screw M4X20	2
4	Ball spring	1	23	Motor assembly	1	42	Connecting rod assembly	1
5	Feed valve seat	1	24	Spring washer d=5	4	43	Split ring	1
6	Copper sleeve	1	25	Bolt M5X25	4	44	Plunger rod connecting pin	1
7	large seal assemblies	1	26	Housing	1	45	Connecting pin limit plate	1
8	Plunger rod assembly	1	27	Screw M4X12	11	46	Housing cover	1
9	Sealing ring positioning sea	1	28	Power switch	1	47	Feed Tube Assembly	1
10	V-ring sea	3	29	Bolt M5X14	6	48	Hoop (8-12)	1
11	Small V-shaped cowhide sealing ring	2	30	Connecting wire	1	49	Pressure relief pipe	1
12	Sealing ring	1	31	PCB pad	1	50	Frame Components	1

13	Lock nut guide copper sleeve	1	32	PCB assembly	1	51	Foot pads	4
14	Pump body lock nut	1	33	Screw ST3.5X13F	2	52	Threaded Sheath	1
15	Pressure relie valve assembly	1	34	Power plug	1	53	Extension	1
16	Pressure relief aluminum fittings	1	35	Lock Washers	2	54	Airless paint sprayer	1
17	Outlet connector	1	36	Spring washer d=4	2	55	High pressure hose	1
18	Pressure regulator valve assembly	1	37	Flat washer d=4	2	56	Wrench	2
19	Gearbox assembly	1	38	Screw M4X8	3			

Airless Sprayer Electrical Installation Drawing



Address： Baoshanqu Shuangchenglu 803long 11hao 1602A-1609shi Shanghai

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

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Pavilions Preston, United Kingdom

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AIRLESS SPRAY GUN

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"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

VEVOR®

TOUGH TOOLS, HALF PRICE

AIRLESS SPRAY GUN

MODEL:821

NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

Technical Support and E-Warranty Certificate
www.vevor.com/support

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.

1. Important safety instructions

	Warning - To reduce the risk of injury, the user must read the instructions manual carefully. Read and understand this instruction manual prior to using this product. failure to do so may result in serious injury or death.
	Warning- Be sure to wear ear protectors when using this product.
	Warning- Be sure to wear eye protectors when using this product.
	Warning- Be sure to wear dust masks when using this product.
   	FIRE AND EXPLOSION Hazard Solvent and paint fumes can ignite or explode To help prevent a fire or explosion ·Use outdoors or in a well ventilated area. ·Avoid all ignition sources such as static electricity from plastic drop cloths, open flames such as pilor lights, hot objects such as cigarettes, and arcs from connecting or disconnecting power cords and turning light switches off or on.· Tape wall switches to prevent them from being turned off or on. ·Use only or Graco airless paint hoses. ·Ground sprayer, objects being sprayed,and paint/solvent pails. ·Hold metal part of gun firmly to side of a grounded metal pail when triggering into pail. ·Do not use 1,1,1 Hydroelectrically, methylene chloride other halogenated hydrocarbon solvents or fluids containing such solvents in this gun or any other pressurized aluminum equipment. Such use could result in a chemical reaction and an explosion.
	FLUID INJECTION HAZARD High-pressure spray or leaks can inject fluid into the body. If high-pressure fluid pierces you skin, the injury might look like use a cut, but it is a serious wound. Get immediate medical attention. To help prevent injection ·Always put gun trigger safety in SAFETY ON position when not

	spraying. ·Always relieve pressure before you check or repair leaks and when you stop spraying. ·Never use components rated less than system Maximum Working Pres- sure. ·Never allow children to use this gun. ·Never point gun at yourself or anyone else
 	FLUID SPLASHBACK HAZARD To avoid splashback of fluid while spraying,make sure the spray gun is assembled with the correct gasket for the fluid being sprayed. See Installing the Tip. RECOIL HAZARD : Brace yourself.The gun may recoil when triggered.

·Do not spray flammable or combustible materials near an open flame, pilot lights or sources of ignition such as hot objects, cigarettes, motors, electrical equipment and electrical appliances. Avoid creating sparks from connecting and disconnecting power cords.

·For units intended for use with only water-based or mineral spirit-type materials with aluminum flash point of 38°C(100°F)— Do not spray or clean with liquids having a flashpoint of less than 38℃(100°F). Flash point is the temperature at which a fluid can produce enough vapor to ignite.

·Use extreme caution when using materials with a flashpoint below 100F(38℃). Refer to your pump manual to determine if these materials can be sprayed.

·Paint or solvent flowing through the equipment is able to result in static electricity. Static electricity creates a risk of fire or explosion in the presence of paint or solvent fumes. All parts of the spray system, including the pump, hose assembly, spray gun and objects in and around the spray area shall be properly grounded to protect against static discharge and sparks. Use only conductive or grounded high-pressure airless paint sprayer hoses specified by the manufacturer.

·Verify that all containers and collection systems are grounded to prevent static discharge.

·Connect to a grounded outlet and use grounded extension cords (electric models only). Do not use a 3 to 2 adapter.

·Do not use a paint or solvent containing hydrogenated hydrocarbons. Such as chlorine, bleach mildewcide, methylene chloride and trichloroethane. They are not compatiblewith aluminum. Contact the coating supplier about compatibility of material with aluminum.
·Keep spray area well ventilated. Keep a good supply of fresh air moving through the area to keep the air within the spray area free from accumulation of flammable vapors. Keep pump assembly in well ventilated area. Do not spray pump assembly.
·Do not smoke in the spray area.
·Do not operate light switches,engines,or similar spark producing products in the spray area.
·Keep area clean and free of paint or solvent containers,rags,and other flammable materials.
·Know the contents of the paint and solvents being sprayed. Read all Material Safety Data Sheets (MSDS)and container labels provided with the paints and solvents. Follow the paint and solvent manufacture's safety instructions.
·Place pump at least 25 feet (7.62 meters)from the spray object in a well ventilated area(add more hose if necessary). Flammable vapors are often heavier than air. Floor area must be extremely well ventilated.The pump contains arcing parts that emit sparks and can ignite vapors.
·Plastic can cause static sparks. Never hang plastic to enclose spray area. Do not use plastic drop cloths when spraying flammable material.
·Fire extinguisher equipment shall be present and working.

	**WARNING:INJECTION INJURY**
	A high pressure paint stream produced by this equipment can pierce the skin and underlying tissues, leading to serious injury and possible amputation. See a physician immediately.

· Do not aim the gun at, or spray any person or animal.
·Keep hands and other body parts away from the discharge. For example, do not try to stop leaks with any part of the body.
·NEVER put your hand in front of the gun. Gloves will not provide

protection against an injection injury.
·ALWAYS keep the tip guard in place while spraying. The tip guard provides some protection but is mainly a warning device
.Only use a nozzle tip specified by the manufacturer.
·Use caution when cleaning and changing nozzle tips. In the case where the nozzle tip clogs while spraying, ALWAYS lock gun trigger, shut pump off, and release all pressure before servicing, cleaning tip or guard, or changing tip. Pressure will not be released by turning off the motor. The PRIME/SPRAY valve or pressure bleed valve must be turned to its appropriate positions to relieve system pressure. Refer to PRESSURE RELIEF PROCEDURE described in the pump manual.
· Do not leave the unit energized or under pressure while unattended. When the unit is not in use, turn off the unit and relieve the pressure in accordance with the manufacturer's instructions.
· High-pressure spray is able to inject toxins into the body and cause serious bodily injury. In the event that injection occurs, seek medical attention immediately.
· Check hoses and parts for signs of damage, a leak can inject material into the skin. Inspect hose before each use. Replace any damaged hoses or parts. Only use TITAN original high-pressure hoses in order to ensure functionality, safety and durability.
. This system is capable of producing 3600psi/ 248 Bar. Only use replacement parts or accessories that are specified by the manufacturer and that are rated a minimum of 3600PSI. This includes spray tips, nozzle guards, guns, extensions, fittings, and hoses.
. Always engage the trigger lock when not spraying. Verify the trigger lock is functioning properly.
. Verify that all connections are secure before operating the unit.
· Know how to stop the unit and bleed pressure quickly. Be thoroughly familiar with the controls. Pressure will not be released by turning off the motor. The PRIME/SPRAY valve or pressure bleed valve must be turned to its appropriate position to relieve system pressure. Refer to PRESSURE RELIEF PROCEDURE described in the pump manual.
·Always remove the spray tip before flushing or cleaning the system.

NOTE TO PHYSICIAN:

Injection into the skin is a traumatic injury which can lead to possible amputation. It is important to treat the injury as soon as possible. DO NOT delay treatment to research toxicity. Toxicity is a concern with some coatings injected directly into the blood stream. Consultation with a plastic surgeon or reconstructive hand surgeon may be advisable.

 **WARNING:**

GENERAL Can cause severe injury or property damage

Always wear appropriate gloves, eye protection, clothing and a respirator or mask
when painting.

- Do not operate or spray near children. Keep children away from equipment at all times.
- Do not overreach or stand on an unstable support. Keep effective footing and balance at all times.
- Stay alert and watch what you are doing.
- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not kink or over-bend the hose. Airless hose can develop leaks from wear, kinking and abuse. A leak can inject material into the skin.
- Do not expose the hose to temperatures or pressures in excess of those specified by manufacturer.
- Do not use the hose as a strength member to pull or lift the equipment. Use the lowest possible pressure to flush equipment.
- Follow all appropriate local, state and national codes governing ventilation, fire prevention and operation.
- Before each use, check all hoses for cuts, leaks, abrasion or bulging of cover. Check for damage or movement of couplings. Immediately replace hose if any of those conditions exist. Never repair a paint hose. Replace with a conductive high-pressure hose.

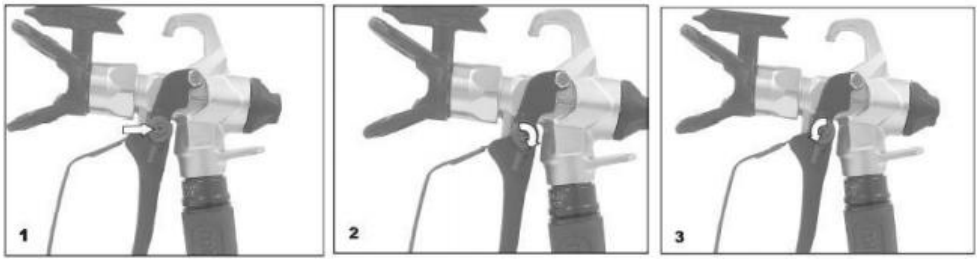
- Do not spray outdoors on windy days. Always unplug cord from outlet before working on equipment (electric models only)

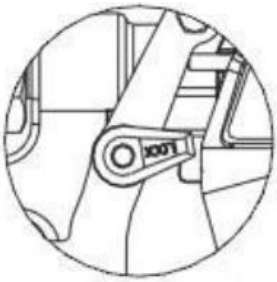
Instructions For Operation

Using the Gun Trigger Lock

Always engage the gun’s trigger lock when the gun is not in use(1) after each use and store in a dry location. Do not leave the gun or any of its parts in water tension.

1. To lock the trigger, rotate the trigger lock backward until it stops(2) or solvents
2. To unlock the trigger, rotate the trigger lock forward until it is vertical(3).





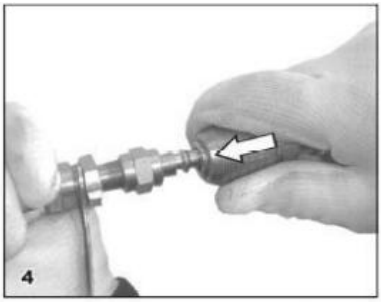
Trigger locked(gun will not spray) **Trigger unlocked(gun will spray**

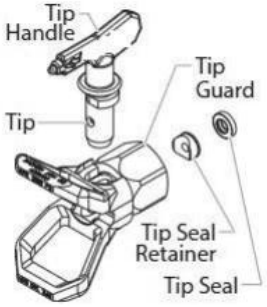
Setup

Never attempt to assemble , change, or clean the gun, tip, or tip guard without first relieving pressure from the spray system. Follow the "Pressure Relief Procedure" in the sprayer's Manual.

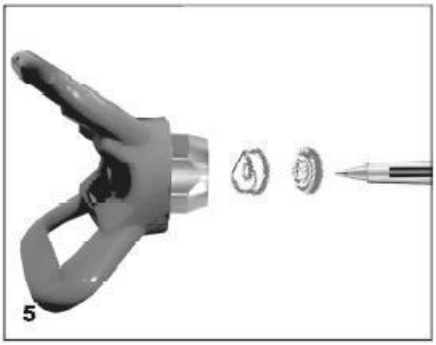
Always use a tip safety guard for added protection against injection. Be ware that the guard alone will not prevent injection. Never cut off tip guard! Always engage gun trigger lock when the gun is not in use. Before servicing equipment, consult owner's Manuals and follow all warnings.

1. Set up the sprayer. Refer to the instructions in the sprayer's Manual.
2. Attach a grounded, airless spray hose to the material inlet on the gun. Using two wrenches (one on the gun and one on the hose), tighten securely(4).

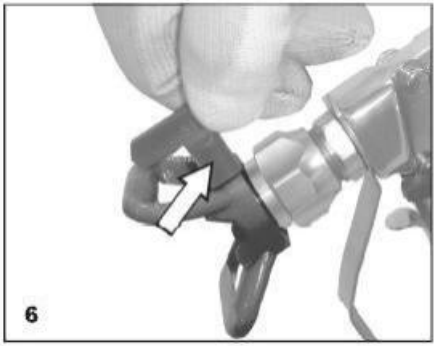




2. With the tip and tip guard off the gun, start the sprayer. Flush and prepare the spray system according to the sprayer's Owner's Manual. Inspect the spray system to make sure that all fittings are secure and that there are no leaks.
3. Perform the "Pressure Relief Procedure" described in the sprayer's Owner's Manual.
4. Using the arrow head on the tip handle, insert the tip seal and tip seal retainer into backache of the tip guard(5).Press in for final adjustment.



5. Insert the tip into the slot on the tip guard(6).



6. Thread the tip guard onto the gun. Position the tip guard in the desired spraying position and tighten securely.
NOTE: The arrow on the tip handle should be pointing in the forward direction for spraying.

Operation

1. Make sure the arrow on the tip handle is pointing in the forward direction for spraying.

2. Start the sprayer. Refer to the instructions in the sprayer's Manual.

3. Adjust the fluid pressure on the sprayer until the spray is completely atomized. Always spray at the lowest pressure necessary to get the desired results. NOTE: The spray tip determines the size of spray pattern and coverage. When more coverage is needed, use a larger tip instead of increasing fluid pressure.

4. To clear a clogged tip

A. Rotate the tip 1 80° so that the arrow on the tip handle is pointing opposite the spray direction.(7)

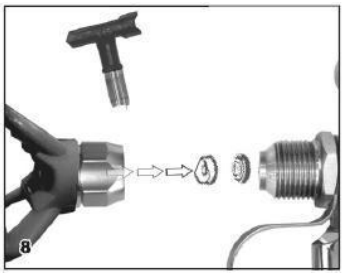
B. Trigger the gun once so that the pressure can blow the clog out. Important: Never pull the trigger more than once at a time with the tip in the reverse position.

C. Continue this procedure until the tip is clear of the clog

Changing a Tip

Tips can be removed and replaced easily without disassembling the gun.

Never attempt to change or clean the tip or tip guard without first performing the “Pressure Relief Procedure."



1. Perform the "Pressure Relief Procedure" described in the sprayer's Manual.

2. Remove the tip from the slot on the tip guard.

3. Insert the new tip into the slot on the tip guard.

The arrow on the tip handle should be pointing in the forward direction.

Removing the Seal and Tip Seal

1. Remove the tip and tip guard from the spray gun.

2. Remove the seal and tip seal from the back of the tip guard(8)

Identifying Tip Sizes

To identify tip sizes, use the following formula. A “517" tip size will be used in this example.

The first digit multiplied by two represents the size of the spray pattern when spraying 12"(30cm) away from the work surface: 5 x 2= 10" spray pattern. The second two digits represent the diameter of the orifice on the tip: 17 = .017"(0.43mm) orifice.

NOTE: Worn spray tips will adversely affect the spray pattern and result in reduced production, poor finish, and wasted material. Replace worn tips immediately.

Cleanup

Maintaining a clean gun is important to ensure trouble-free operation. Flush the gun after each use and store in a dry location. Do not leave the gun or any of its parts in water or solvents.

Special cleanup instructions for use with flammable solvents:

Always flush spray gun preferably outside and at least one hose length from spray pump.

- If collecting flushed solvents in a one gallon metal container, place it into an empty five gallon container, then flush solvents.
- Area must be free of flammable vapors
- Follow all cleanup instructions.
- Important: The sprayer, hose, and gun should be cleaned thoroughly after daily use. Failure to do so permits material to cake, seriously affecting the performance of the unit.

Always spray at minimum pressure with the tip and tip guard removed when using mineral spirits or any other solvent to clean the

sprayer, hose, or gun. Static electricity buildup may result in a fire or explosion in the presence of flammable vapors. Hold the gun firmly against a metal container while flushing.

Maintenance

 Follow all safety precautions as described in the Safety Precautions section of this manual before proceeding.
NOTE: Refer to the Parts List section in this manual for part identification.

Replacing/Servicing the Seal Assembly

If your spray gun leaks or spits at the tip when you release the trigger, the needle or seat is worn, damaged, or dirty and must be replaced or cleaned.

Never attempt to perform maintenance on the spray gun without first performing the “Pressure Relief Procedure.

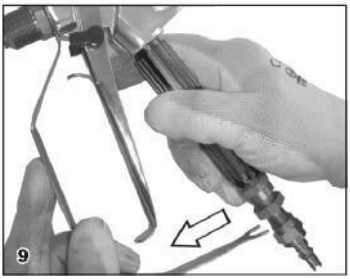
1. Perform the “Pressure Relief Procedure" and disconnect the fluid hose from the gun.
2. Remove the end cap and the packing spring from the rear of the gun head.
3. Using a 3/8" socket, remove the packing seal assembly from the rear of the gun head.
4. Soak the removed parts in the appropriate solvent and wipe clean.
5. Inspect the parts for wear or damage and use new parts during reassembly of the gun.
when necessary.
NOTE: Lubricate all pickings and moving parts before reassembly with a lithium-based grease.
6. Make sure the two re-tractor pins inside the gun head are still in the correct position7. Insert the packing seal assembly into the rear of the gun head and thread it by hand until it stops.

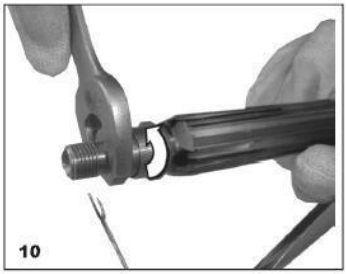
8. Using a 3/8" socket, tighten the packing seal assembly. Torque to 5 Nm (3.7 ft./lbs.)
9. Grease both ends of the packing spring and place it over the packing seal assembly in the gun head.
10. Place the end cap over the packing spring so that the pilot inside the end cap seats inside the packing spring.
11. Push the end cap toward the gun head while threading it into the gun head. Using a wrench, tighten the end cap securely.12. Perform the "Adjusting the Packing Seal Assembly" procedure described below.

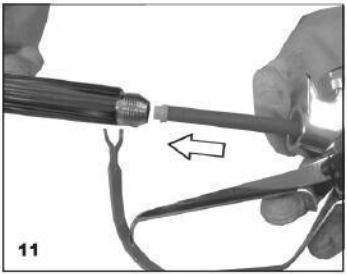
Adjusting the Packing Seal Assembly

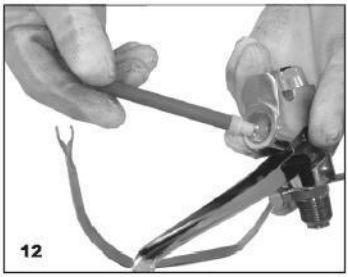
 Proper adjustment of the seal assembly is essential to ensure positive shut-off when the trigger is released .
1. Insert an 1/8" hex wrench through the hole in the center of the end cap until it seats inside the packing seal adjustment screw.
2. Turn the packing seal adjustment screw clockwise until the ball on the packing seal assembly can be felt seating into position. Then, turn the screw 1/4 turn more for proper tension.

Replacing/Removing the Filter
1. Pull the bottom of the trigger guard forward so that it comes loose from the handle assembly(9)
2. Loosen and remove the handle assembly from the gun head(10).
3. Pull the old filter out of the gun head(11).
4. Slide the new filter, tapered end first, into the gun head(12).
5. Make sure all the parts are clean and the handle seal is in position inside the gun head.
6. Thread the handle assembly into the gun head until secure.7. Snap the trigger guard back onto the handle assembly.









TECHNICAL SPECIFICATIONS

Type:	821	Operating Pressure	3600PSI
Type of Feed	Pressure	Standard Nozzle	0.017”(517)
Paint Connection	1/4-18NPSM	Pattern Width	254-305mm

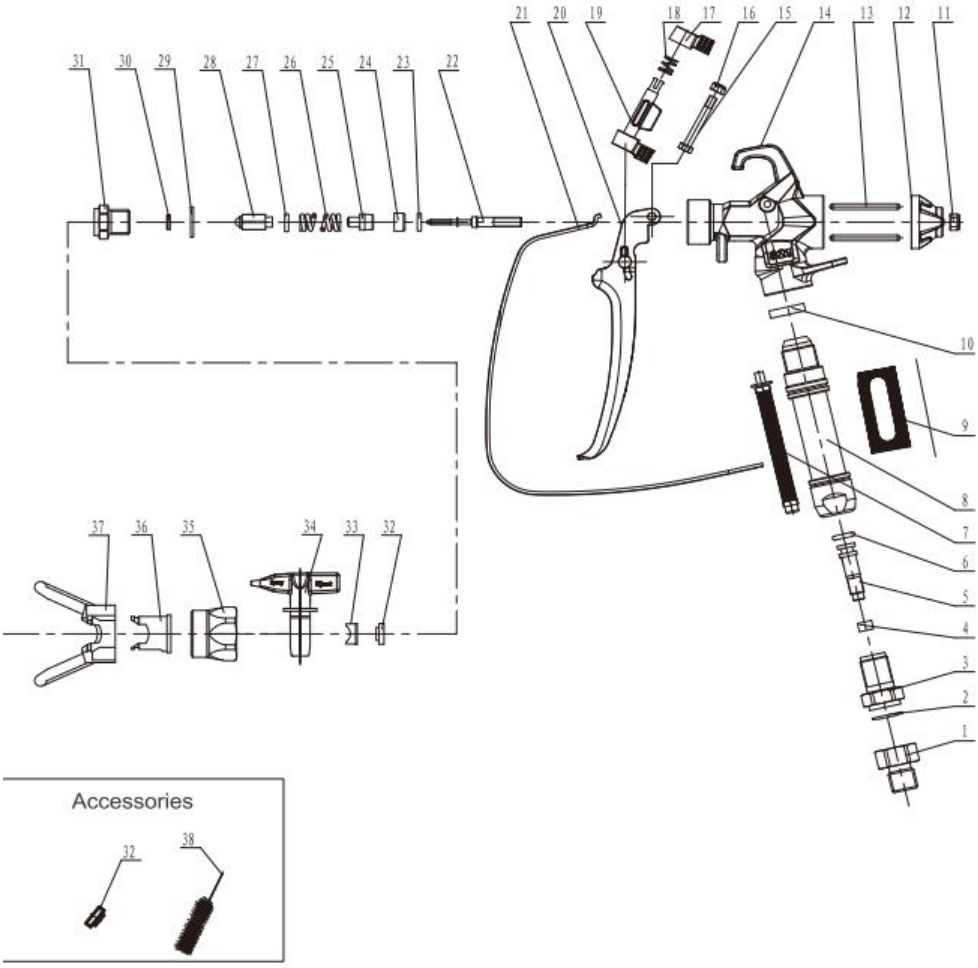
SCFM: Standard Cubic Feet per Minute (the volumetric flow rate of a far corrected to standardized conditions of temperature and pressure).

NPT: National Pipe Thread

Environmental Responsibilities

Please recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted taken to the local recycling centre and disposed of in an environmentally safe way.

ASSEMBLY DRAWING



PARTS LIST

No	Description	Qty	No	Description	Qty	No	Description	Qty
1	Air Inlet Connector	1	14	Gun body	1	27	Thimble Head Washer	1
2	Washer	1	15	Hex bolt	1	28	Thimble Head Assembly	1
3	Material Inlet Joint	1	16	Hex Lock Nut	1	29	Plug Washer	1
4	Interval Washer	1	17	Trigger Pole Joint	1	30	Plug Insert	1
5	Material Connection Core	1	18	Spring	1	31	Plug seat	1
6	O-ring 6*2	1	19	Trigger Pole	1	32	Rubber Plug	1
7	Filter	1	20	Trigger	1	33	Nozzle Cap	1
8	Handle	1	21	Tigger Guarg	1	34	Reversible Tip Assembly	1
9	Handle Sheath	1	22	Thimble	1	35	Nut	1
10	Washer	1	23	Copper Washer	1	36	Tip Seat	1
11	Hex Lock Nut	1	24	Thimble Sealing Washer	1	37	Tip Guard	1
12	Switch Seat	1	25	Spring Core	1	32	Rubber Plug	1
13	Switch Pin	2	26	Thimble Spring	1	38	Brush	1

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