



AIRLESS PAINT SPRAYER KIT

MODEL NO: **APS1000**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to
instruction
manual



Wear eye
protection



Wear
respiratory
protection



Wear
protective
clothing



Wear protective
gloves

1. SAFETY

- ✓ To be used by trained users only.
- 1.1. **ELECTRICAL SAFETY**
 - ☐ **WARNING!** It is the user's responsibility to check the following:
 - ✓ Check all electrical equipment and appliances to ensure that they are safe before using.
 - ✓ Inspect power supply leads, plugs and all electrical connections for wear and damage.
 - ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
 - ✗ **DO NOT** use worn or damaged cables, plugs or connectors.
 - ✓ Ensure that any faulty item is repaired or replaced immediately by a Sealey qualified technician.
 - ✓ If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
 - ✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.
 - Important: Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse.
 - ✗ **DO NOT** pull or carry the appliance by the power cable.
 - ✗ **DO NOT** pull the plug from the socket by the cable.
 - ☐ **WARNING!** Trained users only.
- 1.2. **FIRE AND EXPLOSION HAZARD!** Use only non-flammable or water-based/oil-based materials, or non-flammable paint thinners. Do not use materials having flash points lower than 100° F (38° C). This includes, but is not limited to, acetone, xylene, toluene, or naphtha. For more information about your material, request Safety Data Sheet (SDS) from the supplier.
 - ✓ Important! Read carefully and practice good safety habits.
 - ✗ Not approved for use in explosive atmospheres or hazardous locations.
 - ✗ Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:
 - ✗ **DO NOT** spray or clean with materials having flash points lower than 100°F (38° C). Use only non-flammable or water-based materials, or non-flammable paint thinners. For complete information about your material, request the Safety Data Sheet (MSDS) from the material distributor or retailer.
 - ✗ **DO NOT** spray combustible materials near an open flame or sources of ignition such as cigarettes, motors, and electrical equipment.
 - ✗ **DO NOT** spray combustible liquids in a confined area.
 - ✗ **DO NOT** spray flammable or combustible materials near an open flame or sources of ignition such as cigarettes, motors, and electrical equipment.
 - ✗ **DO NOT** spray flammable or combustible liquids in a confined area.
 - ✗ 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 conductive or grounded high-pressure airless paint sprayer hoses.
 - ✓ Verify that all containers and collection systems are grounded to prevent static discharge.
 - ✗ **DO NOT** use pail liners unless they are anti-static or conductive.
 - ✓ Connect to a grounded outlet and use grounded extensions cords. Do not use a 3-to-2 adapter.
 - ✗ **DO NOT** use a paint or a solvent containing halogenated hydrocarbons.
 - ✓ Keep spray area well-ventilated. Keep a good supply of fresh air moving through the area.
 - ✗ Sprayer generates sparks. Keep pump assembly in a well ventilated area a least 20 feet (6.1 m) from the spray area when spraying, flushing, cleaning, or servicing. Do not spray pump assembly.
 - ✗ **DO NOT** smoke in the spray area or spray where sparks or flame is present.
 - ✗ **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 paints and solvents being sprayed. Read all Safety Data Sheets (SDSs) and container labels provided with the paints and solvents. Follow the paint and solvents manufacturer's safety instructions.
 - ✓ Fire extinguisher equipment shall be present and working.
- 1.3. **SKIN INJECTION HAZARD**
 - ✓ High-pressure spray is able to inject toxins into the body and cause serious bodily injury. In the event that injection occurs, get immediate surgical treatment.
 - ✗ **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.

- ✓ Always use the nozzle tip guard. **DO NOT** spray without nozzle tip guard in place.
 - ✓ Use caution when cleaning and changing nozzle tips. In the case where the nozzle tip clogs while spraying, follow the Pressure Relief Procedure for turning off the unit and relieving the pressure before removing the nozzle tip to clean.
 - ✓ Equipment maintains pressure after power is shut off. Do not leave the equipment energized or under pressure while unattended. Follow the Pressure Relief Procedure when the equipment is unattended or not in use, and before servicing, cleaning, or removing parts.
 - ✓ Check hoses and parts for signs of damage. Replace any damaged hoses or parts.
 - ✓ This system is capable of producing 2900 psi. Use genuine Sealey replacement parts or accessories that are rated a minimum of 2900 psi.
 - ✓ 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.
- 1.4. **EQUIPMENT MISUSE HAZARD**
- ✓ Misuse can cause death or serious injury.
 - ✓ Always wear appropriate gloves, eye protection, 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.
 - ✗ **DO NOT** expose the hose to temperatures or to pressures in excess of those specified by Sealey.
 - ✗ **DO NOT** use the hose to pull or lift the equipment.
 - ✗ **DO NOT** spray with a hose shorter than 25 feet.
 - ✗ **DO NOT** alter or modify equipment. Alterations or modifications may void Warranty and create safety hazards.
 - ✓ Make sure all equipment is rated and approved for the environment in which you are using it.
- 1.5. **PRESSURIZED ALUMINIUM PARTS HAZARD**
- ✗ Use of fluids that are incompatible with aluminium in pressurized equipment can cause serious chemical reaction and equipment rupture. Failure to follow this warning can result in death, serious injury, or property damage.
 - ✗ **DO NOT** use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents.
 - ✗ **DO NOT** use chlorine bleach.
 - ✓ Many other fluids may contain chemicals that can react with aluminium. Contact your material supplier for compatibility.
- 1.6. **MOVING PARTS HAZARD**
- ✗ Moving parts can pinch, cut, or amputate fingers and other body parts.
 - ✓ Keep clear of moving parts.
 - ✗ **DO NOT** operate equipment with protective guards or covers removed.
 - ✗ Pressurized equipment can start without warning. Before checking, moving, or servicing equipment, follow the Pressure Relief Procedure and disconnect all power sources.
- 1.7. **TOXIC FLUID OR FUMES HAZARD**
- ✗ Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.
 - ✓ Read MSDSs to know the specific hazards of the fluids you are using.
 - ✓ Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.
- 1.8. **PERSONAL PROTECTIVE EQUIPMENT**
- ✓ Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. This protective equipment includes but is not limited to:
 - Protective eyewear, and hearing protection.
 - Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.

2. INTRODUCTION

No need for a compressor internal motor powers the unit keeping the unit portable. Versatile tool which works great indoors and out with 10m hose giving you massive reach. Paint sprayer applies paint quickly and evenly leaving a professional finish. Suction tube will draw paint from a bucket of paint reducing the need to keep refilling a paint tank. Contents: Airless paint spray, airless spray gun, 10m 1/4" high pressure hose, 30cm extension pole, cleaning brush and needle and two wrenches.

3. SPECIFICATION

Model No:APS1000
 Electrical Class:Class 1
 Hose Length:..... 10m
 Maximum Air Pressure: 2900psi/200bar
 Weight:.....5.7kg
 Plug Type:.....3-Pin BS
 Power Supply Cable Length:..... 1.9m
 Standard Set-Up:X 517
 Voltage:.....230V



4. FEATURES

Power indicator

1

Motor running light

2

Fuse

3



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NOTE:

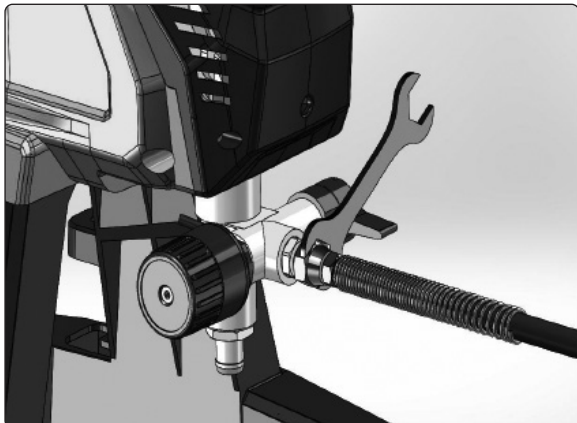
Clean the pump / hose / spray gun / spray tip thoroughly everyday when you finish your painting job.
 Pump must be stored with correct type of antifreeze fluid. Pump damage will occur if water or latex paint freezes in pump.
 Damage to plastic parts may result if impact occurs in low temperature conditions.
 Changes in paint viscosity at very low or very high temperatures can affect sprayer performance.

A	Prime/Spray Valve
B	Pressure Control Knob
C	ON/OFF Switch & Pressure Control Knob
D	Suction Tube
E	Drain Tube
F	Airless Spray Gun
G	Reversible Spray Tip
H	Tip Guard
I	Gun Trigger Lock
J	Gun Fluid Inlet Fitting
K	Gun Fluid Filter (inside handle)
L	Pump
M	Pump Fluid Outlet Fitting
N	High Pressure Hose
O	Suction Filter
P	Mains lead (reference only)
Q	Suction Tube Drip

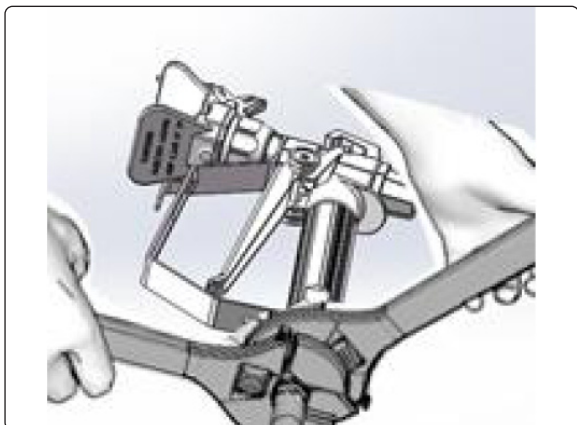
SEE ALSO SECTION 10 QUICK REFERENCE GLOSSARY FOR MORE DETAILED DESCRIPTIONS OF FUNCTION.

5. SET UP

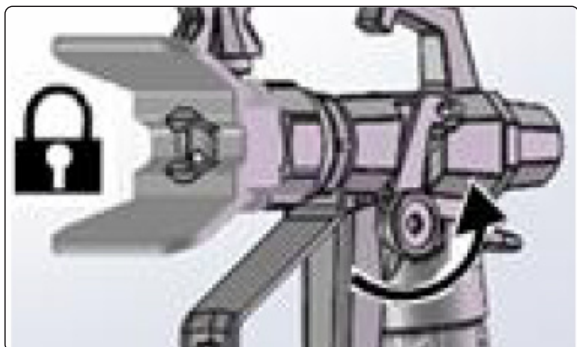
ASSEMBLY: When unpacking sprayer for the first time or after long term storage perform setup procedure.



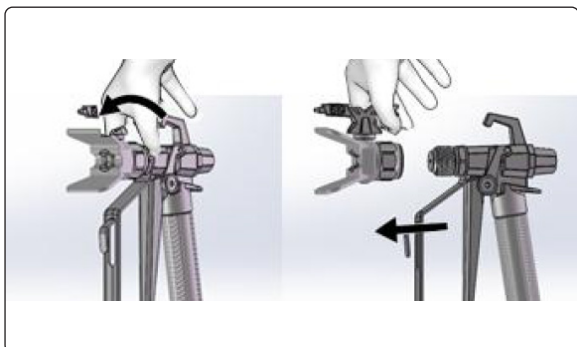
1. Connect airless hose to fluid outlet. Tighten with wrench.



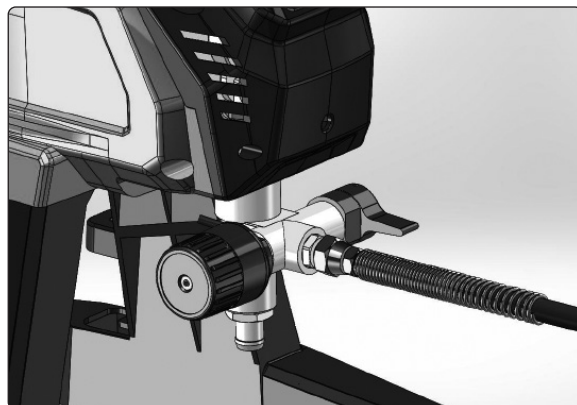
2. Connect other end of hose to gun.
Use two wrenches to tighten securely.
If hose is already connected, make sure connections are tight.



3. Engage trigger lock.



4. Remove tip guard. Take care that tip seal does not fall when tip guard is removed. Ensure both clean and correctly fitted.



5. Turn pressure control knob all the way left (counter clockwise) to lowest setting.

6. After long term storage check inlet strainer for clogs and debris.

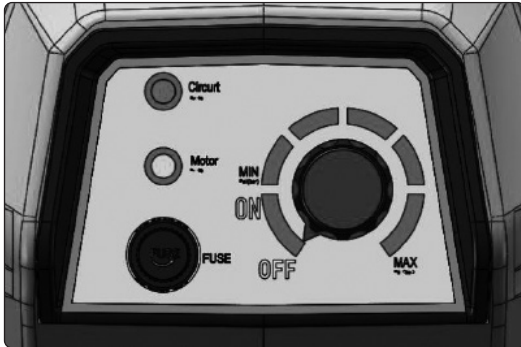
STRAIN THE PAINT: Previously opened paint may contain dried paint or other debris. To avoid priming problems and spray tip clogs it is recommended to strain the paint before use. Paint strainers are available where paint is sold. Stretch a paint strainer over a clean pail and pour the paint through the strainer to capture any dried paint and debris before spraying.

6. START UP

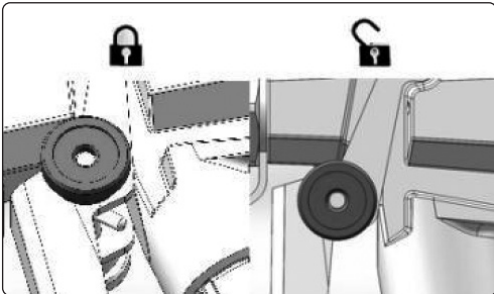
PRESSURE RELIEF PROCEDURE:

- ❑ **WARNING!** This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection or splashed fluid, follow the Pressure Relief Procedure whenever sprayer is stopped and before sprayer is cleaned or checked, and before equipment is serviced.

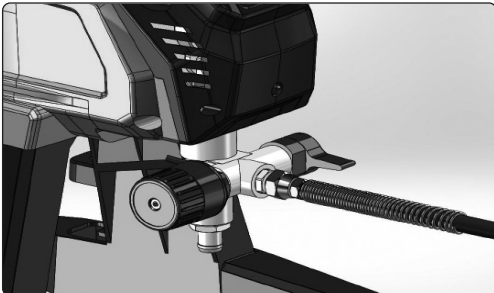
1. Turn on/off switch to the OFF position.



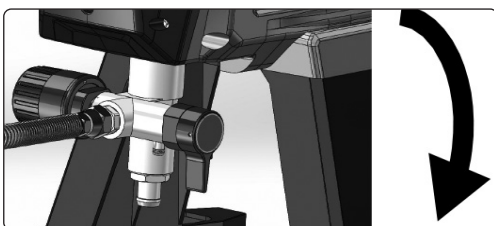
2. Engage the trigger lock. Always engage the trigger lock when sprayer is stopped to prevent the gun from being triggered accidentally.



3. Turn pressure control knob to lowest setting.



4. Put drain tube into a waste pail and turn Prime/Spray valve in PRIME position (drain) to relieve pressure.



5. Hold the gun firmly to a pail. Point gun into pail. Disengage the trigger lock and trigger the gun to relieve pressure.



5. Engage the trigger lock.

6. If you suspect the spray tip or hose is clogged or that pressure has not been fully relieved:

- VERY SLOWLY loosen the tip guard retaining nut or the hose end coupling to relieve pressure gradually.
- Loosen the nut or coupling completely.
- Clear airless hose or spray tip obstruction.

FLUSH STORAGE FLUID:

This sprayer arrives from the factory with a small amount of test material in the system.

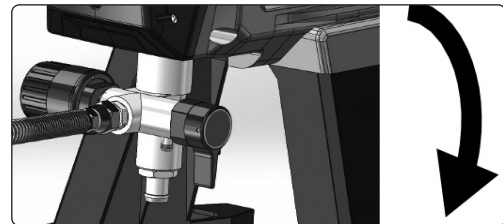
It is important that you flush this material from the sprayer before using it for the first time. See Cleaning Fluid Compatibility, Section 10 and Static Grounding Instructions (Oil-Based materials), for additional information when using oil-based materials.

- Perform Pressure Relief Procedure, page 6.
- Make certain ON/OFF switch is OFF.
- Separate drain tube (smaller) from suction tube (larger).
- Place drain tube in a waste pail.
- Submerge suction tube in a pail partially filled with water or flushing fluid.

If spraying oil-based materials, submerge the suction tube in mineral spirits, or compatible cleaning solvent. If spraying water-based materials, submerge the suction tube in water.

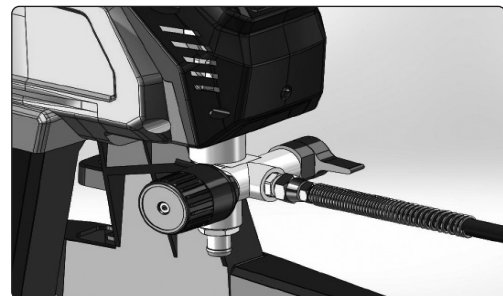


6. Turn Prime/Spray valve down to PRIME position.



7. Plug into mains supply.

8. Align setting indicator with Prime/Clean setting on pressure control knob.



9. Turn on/off switch to ON position.

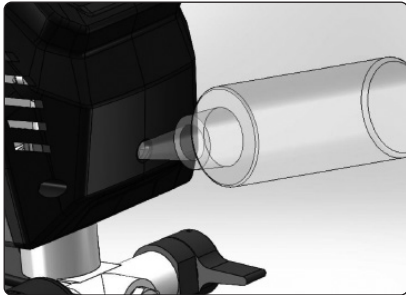
10. When sprayer starts pumping, flushing solvent and air bubbles will be purged from system. Allow fluid to flow out of drain tube, into waste pail, for 30 to 60 seconds.

11. Turn on/off switch to OFF position.

❑ **WARNING!** High-pressure spray is able to inject toxins into the body and cause serious bodily injury. Do not stop leaks with hand or rag.

12. Inspect for leaks. If leaks occur, perform Pressure Relief Procedure, Section 6, then tighten all fittings and repeat Start Up. If there are no leaks continue with the next step.

13. Fill lubricating oil to prevent premature packing wear. Do this daily or each time you spray.



FILL PUMP

1. Move suction tube to paint pail and submerge suction tube into paint.



2. Turn on/off switch to ON position.

3. Wait to see paint coming out of drain tube.

4. Turn on/off switch to OFF position.

NOTE: Some fluids may prime faster if the ON/OFF Switch is momentarily turned off so the pump can slow and stop. Turn ON/OFF switch on and off several times if necessary.

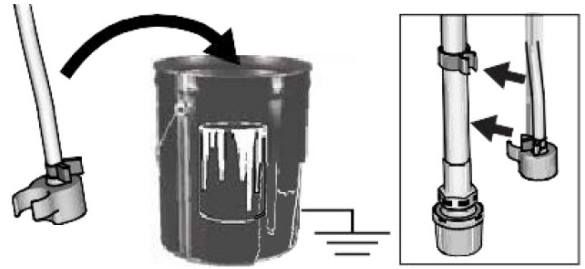
FILL GUN AND HOSE

1. Hold gun against waste pail. Point gun into waste pail.
 - a. Disengage trigger lock.
 - b. Pull and hold gun trigger.
 - c. Turn Prime/Spray valve horizontal to SPRAY position.
 - d. Turn ON/OFF switch to ON position.

2. Trigger gun into waste pail until only paint comes out of the gun.

3. Release trigger. Engage trigger lock.

4. Transfer drain tube to paint pail and clip to suction tube.



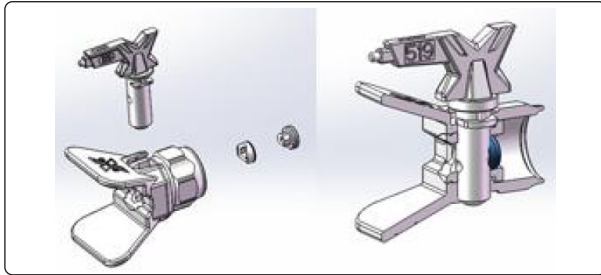
NOTE: When motor stops, sprayer is ready to paint. If motor continues to run, sprayer is not properly primed. Repeat **FILL PUMP** and **FILL GUN AND HOSE**.

7. HOW TO SPRAY

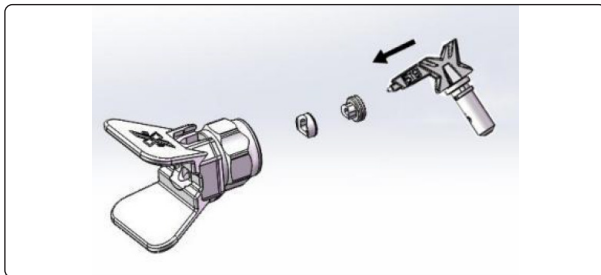
SPRAY TIP INSTALLATION

To prevent spray tip leaks make certain spray tip and tip guard are installed properly.

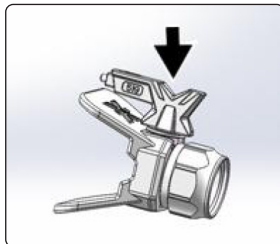
1. Perform Pressure Relief Procedure, Section 6.
2. Engage trigger lock.
3. Verify spray tip and tip guard parts are assembled in the order shown.



a. Use spray tip to align gasket and seal in the tip guard.

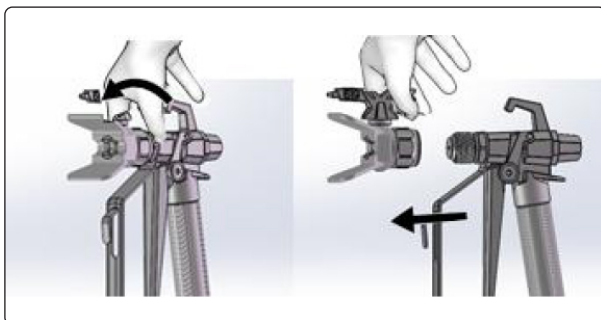


b. Spray tip must be pushed all the way into the tip guard.



c. Turn the arrow shaped tip and tip guard assembly onto the gun and tighten.

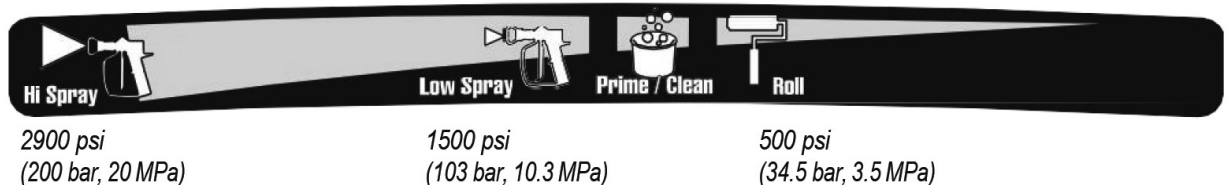
4. Screw spray tip and guard assembly onto the gun and tighten.



ADJUST PRESSURE CONTROL:

The pressure control knob allows for infinite pressure adjustment. To reduce overspray, always start at the lowest pressure setting and increase pressure to the minimum setting that results in an acceptable spray pattern.

PRESSURE CONTROL KNOB LABEL



To select function, align symbol on pressure control knob with setting indicator on sprayer.

TIP AND PRESSURE SELECTION

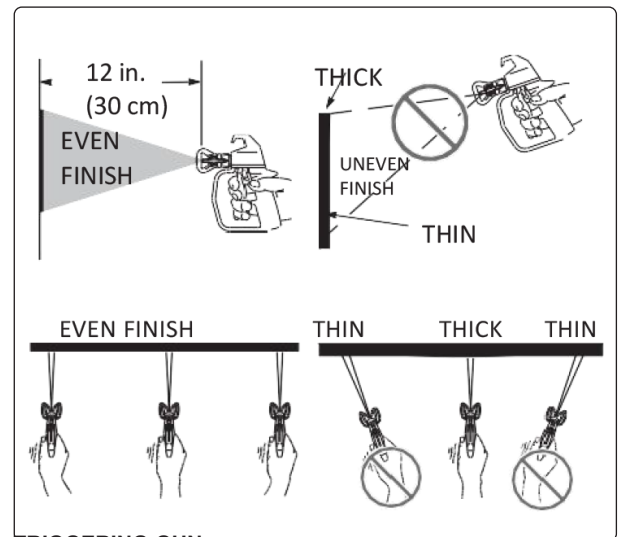
Refer to paint (material) can for manufacturer's recommendations.

Maximum tip hole sizes supported by the sprayer: 0.019 in. (0.48mm)

SPRAY TECHNIQUE

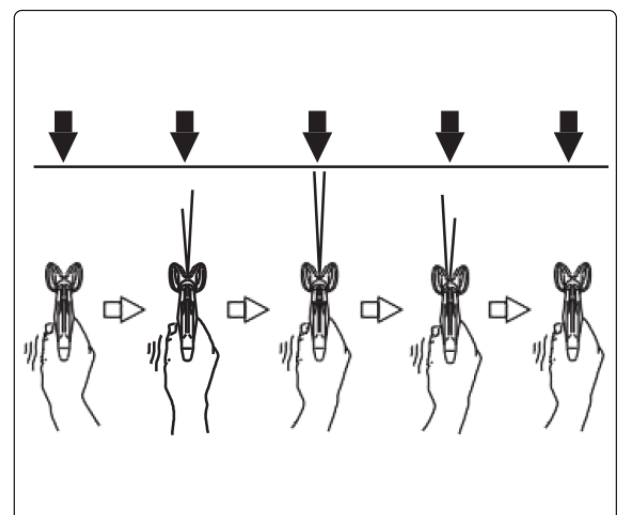
Use a piece of scrap cardboard to practice these basic spraying techniques before you begin spraying the surface.

- Hold gun 12 in. (30 cm) from surface and aim straight at surface. Tilting gun to direct spray angle causes an uneven finish.
- Flex wrist to keep gun pointed straight. Fanning gun to direct spray at angle causes uneven finish.



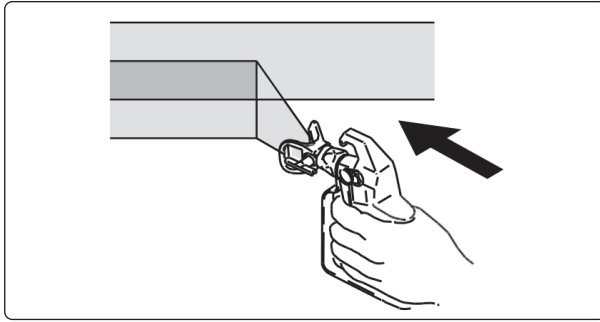
TRIGGERING GUN

Pull trigger after starting stroke. Release trigger before end of stroke. Gun must be moving when trigger is pulled and released.



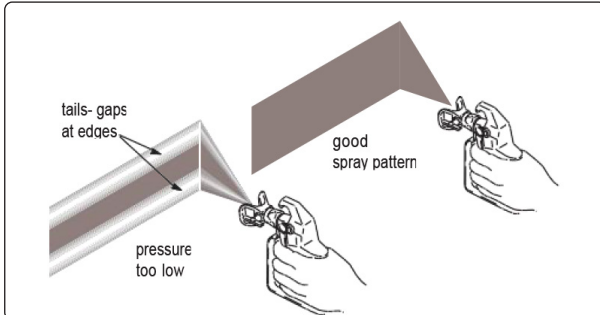
AIMING GUN

Aim centre of spray of gun at bottom edge of previous stroke, overlapping each stroke by half.



SPRAY PATTERN QUALITY

A good spray pattern is evenly distributed as it hits the surface. Spray should be atomised (evenly distributed with no gaps at the edges).



If tails persist when spraying at the highest spray pressure:

- Spray tip may be worn.
- A smaller spray tip may be needed.
- Material may need to be thinned. If material needs to be thinned follow manufacturer's recommendations.

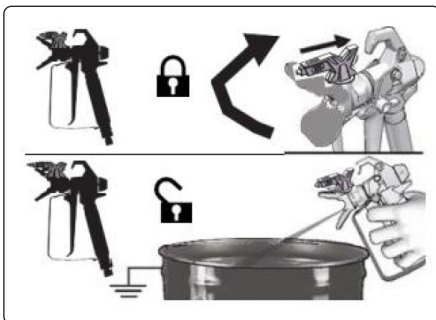
CLEAR TIP CLOG

In the event that particles or debris clog the spray tip, this sprayer is designed with a reversible spray tip that quickly and easily clears the particles without disassembling the sprayer.

See Strain the Paint section, for additional information.

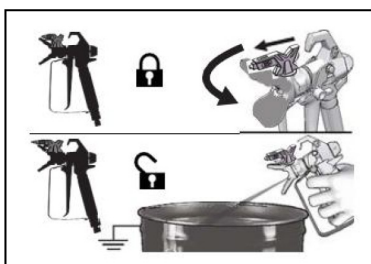
1. Engage trigger lock. Rotate spray tip to unclog position. Disengage trigger lock. Trigger gun at waste area to clear clog.

UNCLOG



NOTE: If spray tip is difficult to rotate when turning to the unclog position perform, Pressure Relief Procedure, then turn Prime/Spray valve to spray position and repeat step 1.

2. Engage trigger lock. Rotate spray tip back to spray position. Disengage trigger lock and continue spraying.



8. CLEAN UP

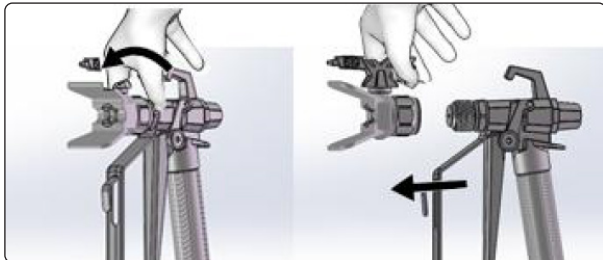
Cleaning the sprayer after each use results in a trouble free start up the next time the sprayer is used.

CLEANING FROM A PAIL

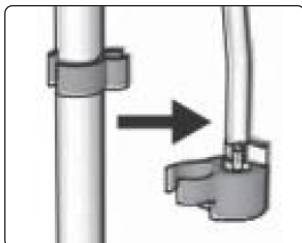
For short term shutdown periods (overnight to two days) refer to Short Term Storage section.

• See Cleaning Fluid Compatibility, Section 10 for information on flushing/cleaning fluids and Static Grounding Instructions (Oil-Based materials).

1. Perform Pressure Relief Procedure.
2. Remove spray tip and tip guard assembly from gun and place in waste pail.



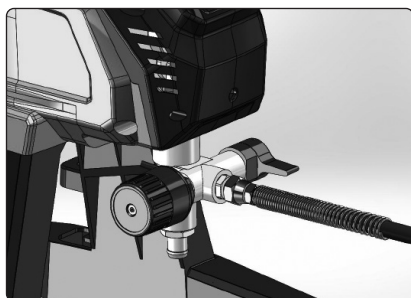
3. Lift suction tube and drain tube from paint pail. Let paint drain into the pail.
4. Separate drain tube (smaller) from suction tube (larger).



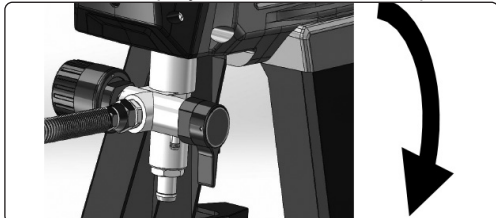
5. Place empty waste and flushing fluid pails side by side.
6. Place suction tube in flushing fluid. Use water for water based paint and mineral spirits or compatible oil-based flushing solvent for oil-based paint. Place drain tube in waste pail.



7. Turn pressure control knob counter-clockwise to the Prime/Clean setting.



8. Turn Prime/Spray valve down to PRIME position.



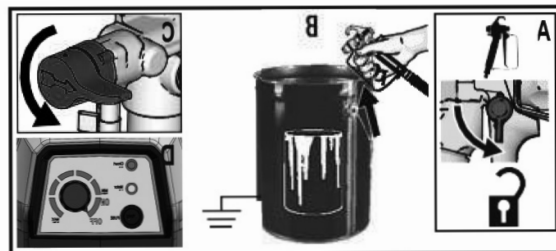
9. Turn on/off switch to ON position.

10. Flush until approx. 1/3 of the flushing fluid is emptied from the pail.

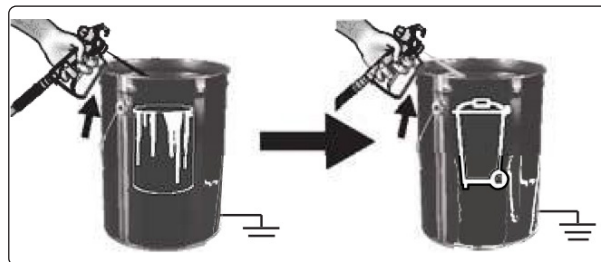
11. Turn ON/OFF switch to OFF position.

NOTE: Step 12 is for returning paint in hose to paint pail. One 50 ft (15m) hose holds approximately 1 quart (1L) of paint.

12. To recover paint in hose, point gun into paint pail while holding gun firmly to the pail.
 - A. Disengage trigger lock.
 - B. Pull and hold gun trigger.
 - C. Turn Prime/Spray valve horizontal to SPRAY position.
 - D. Turn ON/OFF switch to ON position.
 - E. Continue to hold gun trigger until you see paint diluted with Flushing fluid starting to come out of gun.



13. While continuing to trigger gun, quickly move gun to redirect spray into waste pail. Continue triggering gun into waste pail until flushing fluid dispensed from gun is relatively clear.



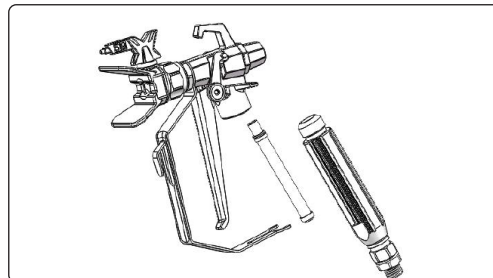
14. Turn pressure control knob to the lowest setting.

15. Stop triggering gun. Engage the trigger lock. Turn Prime/Spray valve down to PRIME position.

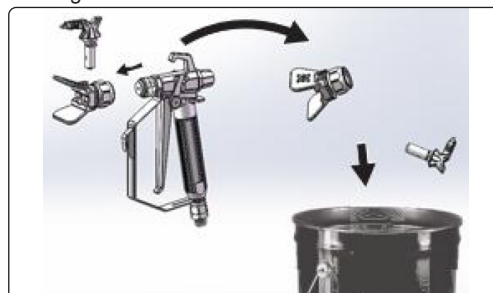
16. Turn ON/OFF switch to OFF position.

CLEAN THE GUN

1. Clean gun fluid filter with water or flushing fluid and a brush every time you flush the system. Replace gun filter if damaged.



2. Remove spray tip and tip guard and clean with water or flushing fluid and a brush.



3. Wipe paint off outside of gun using a soft cloth moistened with water or flushing fluid.

9. STORAGE

With proper storage the sprayer will be ready to use the next time it is needed.

SHORT TERM STORAGE (up to 2 days)

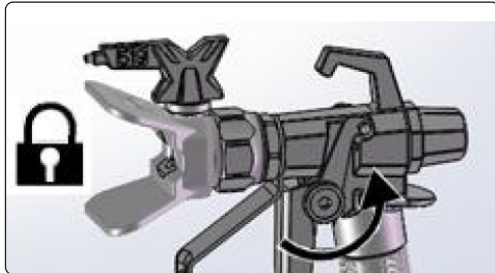
1. Perform Pressure Relief Procedure: Section 6.
2. Leave suction tube and drain tube in paint pail.



3. Cover paint and pail tightly with plastic wrap.



4. Engage trigger lock.



5. Leave gun attached to hose.
6. Remove tip and guard and clean with water or flushing fluid and a brush.
7. Wipe paint off outside of gun using a soft cloth moistened with water or flushing fluid.

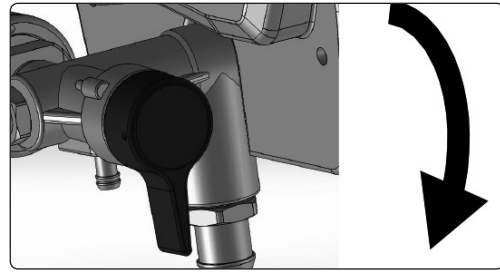
LONG TERM STORAGE (more than 2 days)

Pump storage (anti freezing) fluid protects the sprayer against freezing and corrosion.

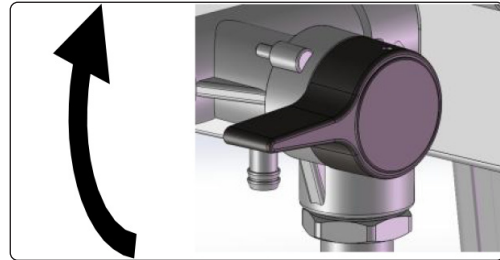
- Before storing sprayer make sure all water is drained out of sprayer.
- Do not allow water to freeze in sprayer.
- Do not store sprayer under pressure.
- Store sprayer indoors.

1. Perform Pressure Relief Procedure, Section 6.
2. Place suction tube in pump storage fluid bottle and drain tube in waste pail.

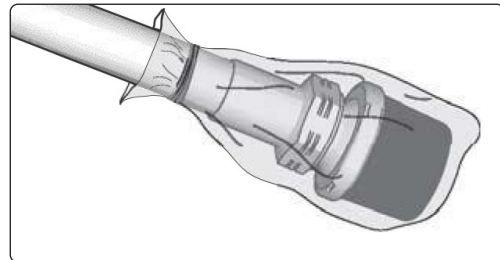
3. Turn Prime/Spray valve down to PRIME position.



4. Turn ON/OFF switch to ON position.
5. Turn pressure control knob clockwise until the pump turns on.
6. When storage fluid comes out of drain tube (5-10 seconds) turn ON/OFF switch to OFF position.
7. Turn Prime/Spray valve horizontal to SPRAY position to keep storage fluid in sprayer during storage.



8. Leave gun attached to hose.
9. Remove tip and guard and clean with water or flushing fluid and a brush.
10. Wipe paint off outside of gun using a soft cloth moistened with water or flushing fluid.



11. Secure a plastic bag around suction and drain tube to catch any drips.

10. REFERENCE SECTION

SPRAY TIP SELECTION: SELECTING TIP SIZE: Spray tips come in a variety of hole sizes for spraying a range of fluids. This sprayer includes a tip for use in most paint spraying applications.

HINTS:

- As you spray, the tip wears and enlarges. Starting with a tip hole size smaller than the maximum will allow you to spray within the rated flow capacity of the sprayer.
- Use larger tip hole sizes with thicker coatings and smaller tip hole sizes with thinner coatings.
- Tips wear with use and need periodic replacement.
- Tip hole size controls flow rate - the amount of paint that comes out of the gun.

FAN WIDTH:

Fan width is the size of the spray pattern, which determines the area covered with each stroke.

HINTS:

- Select a fan width best suited to the surface being sprayed.
- Wider fans allow provide better coverage on broad, open surfaces.
- Narrower fans provide better control on small, confined surfaces.

CLEANING FLUID COMPATIBILITY: OIL OR WATER-BASED MATERIALS

- When spraying water-based materials, flush the system thoroughly with water.
- When spraying oil-based materials, flush the system thoroughly with mineral spirits or compatible, oil based flushing solvent.
- To spray water-based materials after spraying oil-based materials, flush the system thoroughly with water first. The water flowing out of drain tube should be clear and solvent-free before you begin spraying the water-based material.
- To spray oil-based materials after spraying water-based materials, flush the system thoroughly with mineral spirits or a compatible oil-based flushing solvent first. The solvent flowing out of the drain tube should not contain any water. When flushing with solvents always follow Static Grounding Instructions (Oil-based materials).
- To avoid fluid splashing back on your skin or into your eyes, always aim gun at inside wall of pail.

STATIC GROUNDING INSTRUCTIONS (OIL-BASED MATERIALS)

- ❑ **WARNING!** The equipment must be grounded to reduce the risk of static sparking and electric shock. An electric or static spark can cause fumes to ignite or explode. An improper ground can cause electric shock. A good ground provides an escape wire for the electric current.

Always use a metal pail for oil-based materials requiring flushing with compatible oil-based flushing solvents when sprayer is flushed or pressure is relieved.

Follow local regulations. Use only conductive metal pails, placed on a grounded surface such as concrete.

- ✖ **DO NOT** place pail on a non-conductive surface such as paper or cardboard which interrupts grounding continuity.

QUICK REFERENCE GLOSSARY: SEE SECTION 4 FEATURES DIAGRAM

Ref:	Name	Description
A	Prime/Spray Valve	In PRIME position directs fluid to drain tube. • In SPRAY position directs pressurized fluid to paint hose. • Automatically relieves system pressure in overpressure situations.
B	Pressure Control Knob	Increases (clockwise) and decreases (counter-clockwise) fluid pressure in pump, hose, and spray gun. To select function, align symbol on pressure control knob with setting indicator.
C	ON/OFF switch	Turns sprayer ON and OFF. The pressure control knob regulates the amount of force the pump uses to push the fluid and can be adjusted for desired spray pattern. C1:Circuit board power indicator C2:Motor running indicator light C3:Detachable fuse
D	Suction Tube	Draws fluid from paint pail into pump.
E	Drain Tube	Drains fluid in system during priming and pressure relief.
F	Airless Spray Gun	Dispenses fluid.
G	Reversible Spray Tip	• Atomizes fluid being sprayed, forms spray pattern and controls fluid flow according to hole size. • Reverse position unclogs plugged tips without disassembly.
H	Tip Guard	Reduces risk of fluid injection injury.
I	Gun Trigger Lock	Prevents accidental triggering of spray gun.
J	Gun Fluid Inlet Fitting	Threaded connection for paint hose.
K	Gun Fluid Filter	Filters fluid entering spray gun to reduce tip clogs.

L	Pump	Pumps and pressurizes fluid and delivers it to paint hose.
M	Pump Fluid Outlet Fitting	Threaded connection for airless hose.
N	Airless Hose	Transports high-pressure fluid from pump to spray gun.
O	Suction Filter	Prevents debris from entering pump.
P	Power Cord	Plugs into mains supply.
Q	Suction Tube Drip Cup	Holds the suction tube during transport to catch drips.

11. MAINTENANCE

Routine maintenance is important to ensure proper operation of your sprayer:

11.1. DAILY OR EACH TIME YOU SPRAY:

Inspect motor shroud openings for blockage.
Inspect/clean filter, fluid inlet strainer, and gun filter.

11.2. HIGH PRESSURE HOSES

Check hose for damage every time you spray. Do not attempt to repair hose if hose jacket or fittings are damaged. Do not use hoses shorter than 25 ft (7.6 m). Wrench tighten, using two wrenches.

11.3. SPRAY TIPS

Always clean tips with compatible cleaning fluid and brush after spraying.

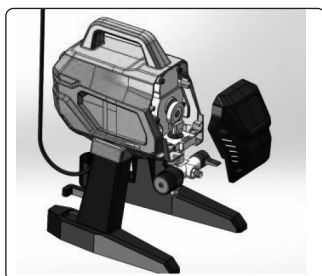
- Tips may require replacement after 15 gallons (57L) or they may last through 60 gallons (227L) depending on abrasiveness of paint.

11.4. PUMP REMOVAL

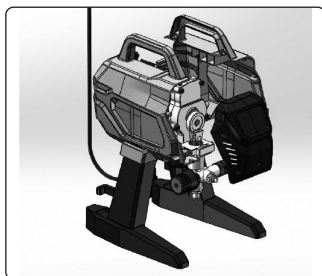
Remove high pressure hose, it may also be necessary to remove the suction tube.

Always perform Pressure Relief Procedure, Section 6, before starting any pump repairs and unplug the sprayer.

1. Remove the fixing screws from the front cover.

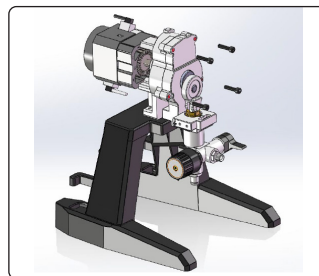


2. Remove the left and right hand housings.



3. Remove the wire connection between motor and electronic control board and between pressure control valve and electronic control board.

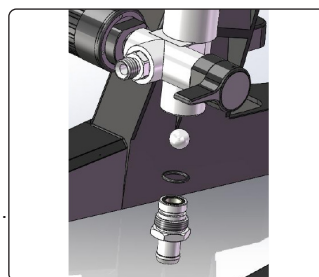
4. Remove the bolts which connect the pump and the supporting frame.



INLET VALVE REMOVAL AND INSTALLATION

If you suspect that the inlet valve is clogged or stuck, remove the valve assembly and clean or replace.

1. Remove suction tube or hopper from sprayer.
2. Loosen the inlet valve and undo.



3. Clean any debris and dried paint from the cavity and replace the ball and spring. Tighten inlet valve to pump using proper tool on the frame.

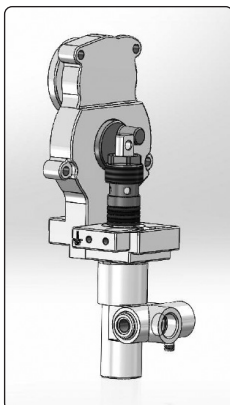
4. Please pay attention to the conical spring direction when installing the ball and conical spring.



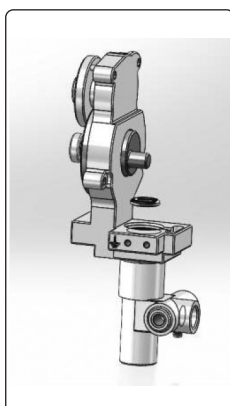
NOTE: DO NOT lose the ball and spring inside the inlet valve assembly. It may fall out when the inlet valve is removed. Pump will not prime without the ball and spring.

PISTON ROD AND V-PACKINGS DISASSEMBLY

1. Remove the pump.
2. Unscrew the piston rod bushing and take out the piston rod.

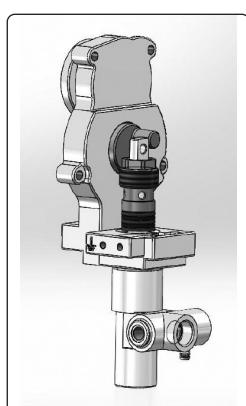
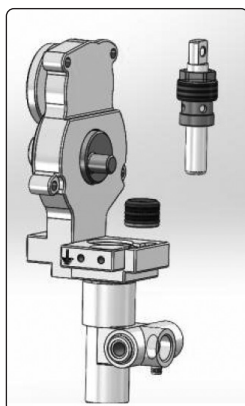


3. Remove the O-rings using a screwdriver.



PISTON ROD AND V-PACKINGS INSTALLATION

1. Put the O-ring onto the piston rod.
2. Put the piston into the pump body.



3. Tighten the copper sleeve.

12. TROUBLESHOOTING

Problem	Cause	Solution
Motor does not run: (verify sprayer is plugged in, and ON/OFF switch is on)	Pressure control is set at zero pressure.	Turn pressure control knob clockwise to increase pressure setting.
	Electric outlet is not providing power.	Test outlet with known working device. Reset circuit breaker or replace fuse. Find working outlet. Reset building circuit breaker or replace fuse.
	Extension cord is damaged	Replace extension cord.
	Sprayer electric cord is damaged.	Check for broken insulation or wires. Replace electric cord if damaged
	Pump is seized (Paint has hardened in pump or water is frozen in pump.)	Turn ON/OFF switch off and unplug sprayer from outlet. If frozen do NOT try to start sprayer until it is completely thawed or it may damage the motor, control board and/or drive train. Place sprayer in warm area for several hours. Check for free moving pump by removing shroud and spinning fan. If not frozen, check for hardened paint in pump. If paint has hardened in pump. If motor does not turn with pump removed, consult Sealey.
	Motor or control is damaged.	Contact Sealey.
Sprayer runs, but pump does not prime or loses prime while in use. (Pump cycles but does not pump paint or build pressure.)	Inlet valve check ball is stuck.	Press Push Prime button to dislodge the ball allowing pump to prime properly.
	Prime/Spray valve is in SPRAY position.	Turn Prime/Spray valve down to PRIME position until paint exits drain tube. The pump is now primed.
	Pump was not primed with flushing fluid. (Thick fluids may not prime if not initially primed with flushing fluid.)	Remove suction tube from paint. Prime pump with oil or water-based flushing fluid.
	Debris in paint.	Strain the paint.
	Thick or "sticky" paint.	Some fluids may prime faster if the ON/OFF switch is momentarily turned off so the pump can slow and stop. Turn ON/OFF switch on and off several times if necessary.
	Inlet strainer is clogged or suction tube is not immersed in paint.	Clean debris off inlet strainer and make sure suction tube is immersed in paint.
	Inlet valve check ball or seat is dirty.	Remove inlet fitting. Clean or replace ball and seat.
	Suction tube is leaking.	Inspect suction tube connection for cracks or vacuum leaks.
	Outlet valve check ball is stuck.	Unscrew outlet valve, remove, and clean assembly.
	Prime/Spray valve is worn or obstructed with debris.	Contact Sealey.

Pump is primed, but can not achieve good spray pattern.	Spray tip may be partially clogged.	Clear spray tip clog.
	Reversible spray tip is in UNCLOG position.	Rotate arrow-shaped handle on spray tip so it points forward to SPRAY position.
	Debris in paint.	Strain the paint.
	Pressure is set too low.	Align pressure control knob setting indicator to desired spray setting.
	Spray gun fluid filter is clogged.	Clean or replace gun fluid filter.
	Spray tip selected is too large for capability of sprayer	Replace tip.
	Spray tip is worn beyond the capability of sprayer.	Replace tip.
	Spray tip gasket and seal worn or missing.	Replace gasket and seal.
	Inlet strainer is clogged or suction tube is not immersed in paint.	Clean debris off inlet strainer and make sure suction tube is immersed in paint.
	Extension cord is too long or not heavy enough gauge.	Replace extension cord.
	Inlet pump valve or outlet pump valve is worn or clogged with debris.	Check for worn or contaminated inlet valve or outlet valve. - Primes sprayer with paint - Trigger gun momentarily - When trigger is released, pump should cycle momentarily and stop - If pump continues to cycle, pump valves may be worn or contaminated with debris - Clean and reinstall valves
	Material is too thick.	Thin material. Follow manufacturer's recommendations.
	Airless hose is too long (if extra section was added).	Remove section of airless hose.
Spray gun stopped spraying while trigger is pulled.	Spray tip is clogged.	Clear spray tip clog.
	Sprayer lost prime.	See troubleshooting section Sprayer runs, but pump does not prime or loses prime while in use.
When paint is sprayed, it runs down the wall or sags.	Material is going on too thick.	Move gun faster.
		Choose a spray tip with smaller hole size.
		Choose spray tip with wider fan.
		Make sure gun is far enough from surface
When paint is sprayed, coverage is inadequate.	Material is going on too thin.	Move gun slower.
		Choose spray tip with larger hole size.
		Choose spray tip with narrower fan.
		Make sure gun is close enough to surface.
Fan pattern varies dramatically while spraying.	Pressure control switch is worn and causing excessive pressure variation.	Contact Sealey.
Can not trigger spray gun.	Spray gun trigger lock is engaged.	Rotate trigger lock to disengage trigger lock.
Paint is coming out of pressure control switch.	Pressure control switch is worn.	Contact Sealey.
Paint is leaking through drain tube.	Sprayer is over pressurising.	Contact Sealey.
Paint leaks down outside of pump.	Pump packings are worn.	Replace pump packings.
Motor is hot and runs intermittently. Motor automatically shuts off due to excessive heat. Damage can occur if cause is not corrected.	Vent holes in enclosure are plugged or sprayer is covered.	Keep vent holes clear of obstructions and overspray and keep sprayer open to air.
	Extension cord is too long or not a heavy enough gauge.	Replace extension cord.
	Unregulated electrical generator being used has excessive voltage.	Use electrical generator with a proper voltage regulator.
	Motor needs to be replaced.	Contact Sealey.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



REGISTER YOUR
PURCHASE HERE



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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