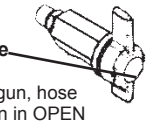
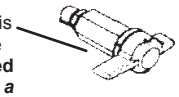
LP/SL Series Electric Paint Sprayer Quick Reference Guide

PSM045

OPERATION



Prime Pressure Relief Valve (Prime-PR Valve)
Used to relieve pressure from gun, hose & tip and to prime the unit when in OPEN position. (It is in open position when there is a wider gap between handle and body).



When in the CLOSED position, there is only a very slight gap between handle & body. When the relief valve is **closed** the system is pressurized. ***Handle as a loaded firearm!***

Pressure Control Knob
Used to adjust pressure only. DOES NOT relieve pressure from gun and system! Turn clockwise to increase pressure, counterclockwise to decrease pressure.

ON/OFF Toggle Switch
Turns the unit ON and OFF.

STEP ❶

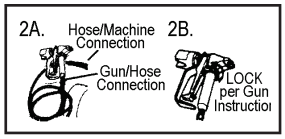
1A. Read safety rules! Read & understand all warnings & safety rules before operating equipment. Know how to lock the gun trigger safety lock before operating the equipment.

1B. Stir paint and if necessary strain paint using a paint strainer bag to remove lumps.

STEP ❷

2A. Check gun/hose connections to make sure they are tight.

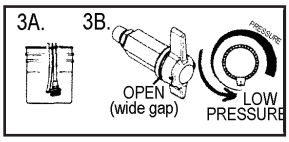
2B. Lock gun trigger safety lock (Airlessco gun shown)
Note: Plug into 3 pronged grounded electrical outlet. Extension cord must be 3 wire, 12 gauge. Do not coil cord.



STEP ❸

3A. Put pump suction tube into bucket of paint.

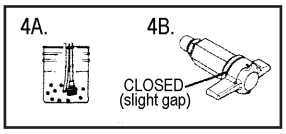
3B. Turn the Prime-Pressure Relief Valve to <u>open position</u> (wide gap between handle & body).
Turn toggle switch ON, and adjust to low pressure on the pressure control knob. The unit will now self-prime.



STEP ❹

4A. Wait about one minute until fluid comes out of the return tube (smaller diameter tube).

4B. Turn the Prime-Pressure Relief Valve to <u>closed position.</u> (slight gap between handle and body)
CAUTION: THE UNIT IS NOW <u>PRESSURIZED!</u>



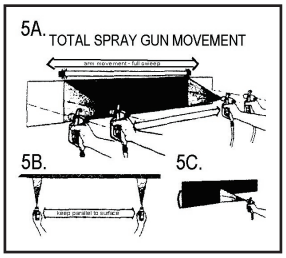
STEP ❺

Note: Leave the Prime-Pressure Relief Valve fully closed and very carefully unlock the guns trigger safety lock.

5A. Aim the gun 12" from test surface cardboard) and spray out the storage solution. Turn thepressure control knob clockwise to increase pressure. Increase the pressure enough to atomize the paint & give a full pattern. Use the lowest pressure possible.

5B. Always keep the gun perpendicular to the surface. Move the gun at a steady rate. It is important to "trigger" the gun after gun movement has begun and release trigger before gun movement ends.

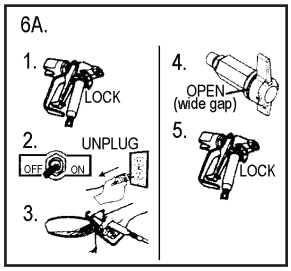
5C. Overlap half the width of each paint stroke.



STEP ❻

6A. Release pressure when you stop spraying & before servicing gun or machine or before changing or cleaning gun tip by:
1. Lock the gun trigger safety.
2. Turn toggle switch to OFF position and unplug from electrical outlet.
3. Release gun safety lock and trigger gun to relieve residual pressure.
4. Turn Prime/PR Valve to open position.
5. Relock gun safety latch.

6B. Submerge gun in water (if using latex) or thinner (oil-base) to prevent paint from drying in the gun nozzle.



CLEANING

- Always use low pressure in the cleaning process.
- Always remove spray tip before cleaning–**AFTER following the Pressure Relief Procedure!**
- Use a metal bucket for cleaning and maintain firm metal to metal contact of gun to the bucket.

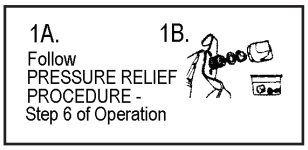
<u>TOOLS & EQUIPMENT NEEDED:</u>

1. Soft bristle brush, clean-up rags.
2. 8" crescent wrench for removing gun tip & filter in gun handle.
3. Prepared 5 gal. bucket of soapy water if using latex, or mineral spirits if using oil-based. (Second bucket will usually be required).
4. Empty bucket for wastes.
5. Storage solution of Pump Conditioner mixed with 1 gal. of water if using latex OR compatible paint thinner if using oil-based paint.

STEP ❶

1A. **IMPORTANT: Relieve pressure by following the Pressure Relief Procedure, Step 6 of Operation, and be sure gun safety lock (latch) is in locked position.**

1B. Remove tip and tip guard from spray gun and place in mineral spirits or water.



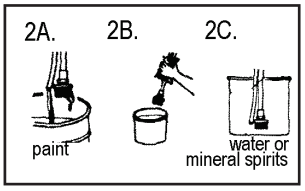
STEP ❷

Note: Turn unit ON. Turn pressure control knob to low pressure.

2A. Lift suction tube and return tube out of paint and hold over paint bucket. Any paint remaining in the unit will return into the bucket out through the return tube.

2B. Wipe excess paint from suction tube.

2C. Place suction tube into prepared bucket of water or mineral spirits.



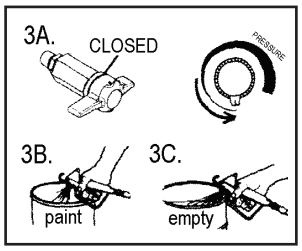
STEP ❸

Note: Release the gun trigger lock very carefully.

3A. Turn the Prime/PR Valve to the closed position. Adjust the pressure control knob for minimum pressure. ***IMPORTANT: Never use high pressure for cleaning!***

3B. Trigger gun into paint bucket to allow paint to run out of hose and gun.

3C. Place gun over empty metal bucket and trigger gun using VERY LOW PRESSURE & maintaining firm metal to metal contact for 3-4 minutes until it runs clean. (Second bucket may be required).



STEP ❹

4A. **IMPORTANT: Follow Pressure Relief Procedure Step 6A of Operation!**

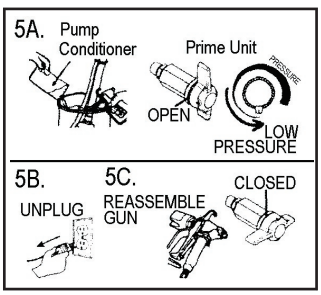
4B. Remove filters from suction tube and gun handle. Clean with water or mineral spirits and soft brush and reassemble suction and gun filter only. **DO NOT** reassemble gun tip and tip guard at this point.

STEP ❺

5A. Mix bottle of Pump Conditioner with 1 gal. of water or prepared mineral spirits and put suction tube into pail. Prime unit (Prime/PR Valve Open Position & Pressure Control Knob in low position) Trigger gun to fill the hose & gun. LEAVE this mixture in the pump & hose for storage. DO NOT DISCHARGE. Turn motor off while the suction tube remains in the bucket.

5B. Disconnect from power.

5C. Roll up hose and tape. Now reassemble gun with spray tip and tip guard. After you have disconnected sprayer from electrical power, turn Prime/PR Valve to the closed position for storage.



AIRLESSCO SL&LP SAFETY GUIDE

HIGH PRESSURE SPRAY CAN CAUSE EXTREMELY SERIOUS INJURY. Handle as you would a loaded firearm.
Learn and follow the PRESSURE RELIEF PROCEDURE. Read and understand all instruction manuals, tags, warnings, user's guides and labels on machine before operating equipment. Order new labels if unreadable.

PRESSURE RELIEF PROCEDURE

Learn this procedure before operating unit. Never attempt to change or clean spray tip or service unit and gun without first releasing the pressure by:

1. Lock gun trigger safety lock. **2.** Turn engine OFF. **3.** Release gun trigger safety lock & trigger gun into pail. **4.** Relock gun. **5.** Turn Prime/Pressure Relief Valve open to relieve residual fluid pressure.

NOTE: *If spray tip or hose is clogged, follow steps 1-5 & expect paint splashing into the bucket during Step 5.*

INJECTION HAZARD

Fluids under high pressure from spray or leaks can penetrate the skin and cause serious injury and the need for amputation.
NEVER point the spray gun at anyone or any part of the body.
NEVER put hand or fingers over the spray tip. Do not use rag over your fingers. Paint will penetrate through material and into the fingers.
NEVER try to stop leaks with your hand or body.
NEVER wipe off build up around spray tip. ALWAYS remove the tip from the gun to clean it after following Pressure Relief Procedure!!

MEDICAL TREATMENT

If any fluid appears to penetrate your skin, get **EMERGENCY CARE AT ONCE. DO NOT TREAT AS A SIMPLE CUT.** Tell the doctor exactly what fluid was injected and have him read the following Note.
NOTE TO PHYSICIAN: Injection in the skin is a traumatic injury. **It is important to treat the injury surgically as soon as possible. DO NOT DELAY treatment to research toxicity.** Toxicity is a concern with some exotic coatings injected directly into the blood stream. Consultation with a plastic surgeon or reconstructive hand surgeon may be advisable.

SPRAY GUN SAFETY

ALWAYS set safety lock on the gun in "LOCKED" position when not in use and before servicing or cleaning.
DO NOT remove or modify any part of gun.
Check operation of gun safety devices before each use.

SPRAY TIP SAFETY

Use extreme caution when cleaning or changing spray tips. If the spray tip clogs while spraying, engage the gun safety latch and ALWAYS follow the **PRESSURE RELIEF PROCEDURE** before removing the spray tip to clean it.
NEVER wipe off build up around the spray tip.

TIP GUARD

NEVER operate gun without tip guard attached.

GENERAL PRECAUTIONS

ALWAYS ensure switch is in "OFF" position before plugging unit in.
ALWAYS ensure unit is in prime position and spray gun locked before starting unit.
NEVER alter equipment in any manner.
NEVER spray highly flammable materials.
NEVER use around children or let children use sprayer.
NEVER allow another person to use sprayer.
ALWAYS wear a face mask while spraying.
NEVER leave sprayer unattended with pressure in system.

HOSES

NEVER use weak or damaged nonconductive paint hose. Do not allow kinking, crushing, or allow it to vibrate against rough, sharp or hot surfaces.
Check hoses for damage or wear before each use.
REPLACE DAMAGED HOSE - DO NOT mend with tape or any other device.
USE ONLY conductive or grounded fluid hoses for airless applications.
TIGHTEN all fluid connections before each use.

SPRAYING VAPORS + STATIC SPARKING CREATE FIRE/EXPLOSION

Prevent fire and explosion by reducing static sparking & eliminating vapors by following these warnings.

Always be sure all equipment, paint bucket and object being sprayed are properly grounded. Always ground sprayer, gun, paint bucket, and object being sprayed. Be sure gun is grounded through hose connection. Connect grounding wire to a true earth ground.
NEVER spray in closed area Ventilation must be adequate to remove vapors.
NEVER keep flammable materials in spray area.
NEVER spray highly flammable liquids.
Use only high pressure conductive airless hoses with static wire approved for 3000psi.
NEVER SMOKE IN SPRAYING AREAS.
ALWAYS ensure properly maintained fire extinquishing equipment is available.
NEVER spray in vicinity of open flame or other source of ignitions such as water heaters and furnaces.
ALWAYS locate the sprayer and electrical outlets in use at least 25 feet away from spray area in well ventilated area. Do not plug in any electrical cores in spray area.
Follow the coating and solvent manufacturer's safety precautions and warnings.
HALOGENATED HYDRO CARBON WARNING: NEVER use halogenated hydrocarbon (HHC) solvents or paints that contain them in this system. Some of the most common of these solvents are: Carbontetrachloride, Chlorobenzene, Dichloroethane, Dichloroethyl Ether, Ethylbromide, Ethylchloride, Tetrachloethane.
Consult your supplier to be sure.

FLUSHING & CLEANING CAN CREATE STATIC SPARKING IF DONE IMPROPERLY!!!!

NEVER spray solvents under pressure through spray tip.
FOLLOW PRESSURE RELIEF PROCEDURE and remove spray tip for cleaning.
USE LOWEST POSSIBLE PRESSURE when flushing and cleaning.
Hold gun firmly against a metal waste container to reduce spark possibility.
NEVER use cleaning solvents with flash points below 140 degrees F.
Some of these are: acetone, benzene, either, gasoline, naptha. Consult your supplier to be sure.