GX19 Operation Risk Assessment Report

Date Of Issue 6/10/2025

IMPORTANT NOTE:
Spraytech NZ Ltd (Graco NZ Distributor) has been requested by the customer to supply this risk assessment report in relation to the specified equipment risk assessment/warnings of use in the Graco operating manual. This Risk Assessment supplements the information provided by Graco and therefore should be read in conjunction with Graco's operation manual. The Report does not purport to set out all possible risks which might be relevant to the customer's use or operation of the equipment. The Risk Assessment is provided on a confidential basis for the internal use of the customer only and it is not to be used for any other purpose. The Risk Assessment does not form part of any contract between Spraytech or Graco and the customer and it is not to be relied upon by any other party for any purpose. The customer accepts sole responsibility for the use of the Report. The customer acknowledges that it must carry out its own risk assessment in relation to the use of this GX19 sprayer.

SPRAYTECH NEW ZEALAND

Report Information		
Customer	All Customers & Hire Pool Staff	
Model	GX19	
Graco Official Operating Manual	GX Electric Airless Sprayers 3A3212S	https://www.graco.com/content/dam/graco/tech_documents/manuals/3A3/3A3212/3A3212EN.pdf

Report Includes		
Important User information On Products The GX19 Can & Cannot Spray		
Warnings		

Important User Information On Products The GX19 Can & Cannot Spray

Before using your sprayer read this Owners Manual for complete instructions on proper use and safety warnings. This sprayer is designed to provide superior spray performance with water-based and oil-based (mineral spirit-type) architectural paints and coatings. This user information is intended to help you understand the types of materials that can be used with your sprayer.

Please read the information on the material container (e.g paint, stain etc) label to determine if it can be used with your sprayer. Ask for a Safety Data Sheet (SDS) from your supplier. The container label and SDS will explain the contents of the material and the specific precautions related to it.

Paints, coatings and clean-up materials generally fitinto one of the following 3 basic categories:

	**WATER-BASED:** The container label should indicate that the material can be cleaned up with soap and water. Your sprayer is compatible with this type of material. **Your sprayer is NOT compatible** with harsh cleaners such as chlorine bleach.
	**OIL-BASED:** The container label should indicate that the material is COMBUSTIBILE and can be **cleaned up with mineral spirits or paint thinner**. The SDS must indicate that the flash point of the material is above 100° F. Your sprayer is compatible with this type of material. Use oil-based material outdoors or in a well-ventilated indoor area with a flow of fresh air. See the safety warnings in this manual.
	**FLAMMABLE:** This type of material contains flammable solvents such as xylene, toluene, naphtha, MEK, lacquer thinner, acetone, denatured alcohol, and turpentine. The container label should indicate that this material is FLAMMABLE. **This type of material is NOT compatible and CANNOT be used.**

Operational Warnings

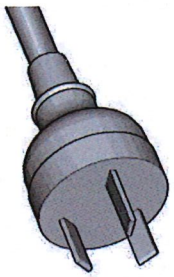
The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. Please refer back to these warnings in the online Graco manual.
https://www.graco.com/content/dam/graco/tech_documents/manuals/3A3/3A3212/3A3212EN.pdf

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 Graco. • Do not use the hose as a strength member 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 agency approvals and create safety hazards. • Make sure all equipment is rated and approved for the environment in which you are using it.

Operational Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. Please refer back to these warnings in the online Graco manual.
https://www.graco.com/content/dam/graco/tech_documents/manuals/3A3/3A3212/3A3212EN.pdf

Grounding



230V ANZ

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 is able to result in a risk of electric shock.
- When repair or replacement of the cord or plug is required, do not connect the grounding wire to either flat blade terminal.
- The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.
- Check with a qualified electrician or serviceman when the grounding instructions are not completely understood, or when in doubt as to whether the product is properly grounded.
- Do not modify the plug provided; if it does not fit the outlet, have the proper outlet installed by a qualified electrician.
- This product is for use on a nominal 240V circuit.
- Only connect the product to an outlet having the same configuration as the plug.
- Do not use an adapter with this product.
- Do not use if the plug or cord is damaged

Extension Cords

- Use only a 3-wire extension cord that has a grounding plug and a grounding receptacle that accepts the plug on the product.
- Make sure your extension cord is not damaged. If an extension cord is necessary it's recommended to use a 1.5mm to 2.5mm minimum to carry the current that the product draws
- An undersized cord results in a drop in line voltage and loss of power and overheating.
- **Note: It's better to add more airless hose then use extension cords.**

Conductor Size Length
1mm - 5-8m
1.5 mm - 10m
2.5 mm - 15m

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 Graco nozzle tips.
- 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 re moving parts.
- Check hoses and parts for signs of damage. Replace any damaged hoses or parts.
- This system is capable of producing 3000 psi. Use Graco replacement parts or accessories that are rated a minimum of 3000 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.

Operational Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. Please refer back to these warnings in the online Graco manual.
https://www.graco.com/content/dam/graco/tech_documents/manuals/3A3/3A3212/3A3212EN.pdf

Fire & Explosion Hazard

Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:

- Do not spray combustible materials near an open flame or sources of ignition such as
- cigarettes, motors, and electrical equipment.
- 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 Graco 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.
- Do not spray combustible liquids in a confined area.
- 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 Sheet (SDS) 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.

Electrical Shock Hazard

This equipment must be grounded. Improper grounding, setup, or usage of the system can cause electric shock.

- Turn off and disconnect power cord before servicing equipment.
- Connect only to grounded electrical outlets.
- Use only 3-wire extension cords.
- Ensure ground prongs are intact on power and extension cords.
- Do not expose to rain. Store indoors.
- Only use an authorized service center to replace a damaged power cord.

Pressurized Aluminium Parts Hazard

Use of fluids that are incompatible with aluminum 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 aluminum. Contact your material supplier for compatibility.

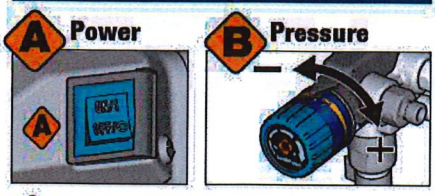
Operational Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. Please refer back to these warnings in the online Graco manual.
https://www.graco.com/content/dam/graco/tech_documents/manuals/3A3/3A3212/3A3212EN.pdf

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.
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.
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.

MAGNUM QUICK GUIDE

KNOW YOUR CONTROLS

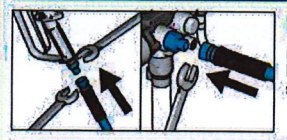


Read Owner's Manual for complete instructions and warnings. This quick guide is not a substitute for reading and understanding all instruction manuals and warning labels supplied with the equipment. Manuals are available at magnum.graco.com

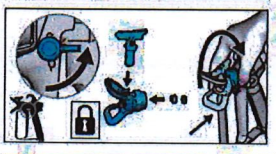
⚠ WARNING

- Follow pressure relief procedure and wear protective equipment including but not limited to protective eye wear.
- SKIN INJECTION HAZARD: Keep clear of spray tip and leaks. Engage trigger lock when not spraying.
- FIRE AND EXPLOSION HAZARD: Follow fire and explosion warnings as listed in your manual.
- READ AND UNDERSTAND ALL LABELS AND INSTRUCTION MANUALS BEFORE USE. FAILURE TO FOLLOW ALL WARNINGS CAN RESULT IN SERIOUS INJURY, AMPUTATION, OR DEATH.

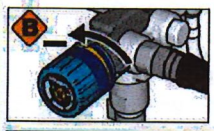
SET UP



1 If needed, connect hose to gun. Remove red cap, then connect hose to sprayer. Tighten securely.



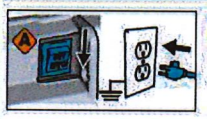
2 Engage Trigger Lock. Assure Spray Tip is properly inserted into the Spray Tip Guard, and the Spray Tip Guard assembly is tightened securely to gun.



3 Turn the Pressure Control Knob to the lowest setting.

magnum.graco.com/quickassembly

START UP



1 Turn Power Switch OFF and plug sprayer into a grounded outlet.

magnum.graco.com/quickstart

2 Separate Drain Tube (smaller) from Suction Tube (larger). Place Drain Tube in a waste pail. Submerge Suction Tube into pail filled with water for water-based material, or mineral spirits if spraying oil-based material.

3 Lift the Prime/Spray Valve to the PRIME position. Press the PushPrime button* twice to loosen inlet valve ball. Turn Pressure Control Knob to START position. Turn Power Switch ON.

*Not available on Project Painter Plus™ model.

4 Allow fluid to flow up the Suction Tube and out of Drain Tube for 30-60 seconds. Turn Power Switch OFF.

START UP

5 Submerge Suction Tube into paint. Turn Power Switch ON and watch for paint to come out of the Drain Tube. Turn Power Switch OFF.

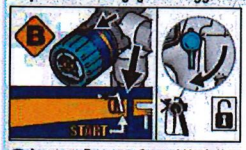
6 Rotate Spray Tip to UNCLOG Position. Disengage Trigger Lock. Point gun into waste pail, pull and hold trigger. Lower Prime/Spray Valve to SPRAY position and turn Power Switch ON.

7 When paint comes out of gun, release trigger. Engage Trigger Lock. Transfer Drain Tube to paint pail and attach to Suction Tube. Rotate Spray Tip back to SPRAY position and ensure Spray Tip Guard is tight.

YOU ARE NOW READY TO SPRAY!

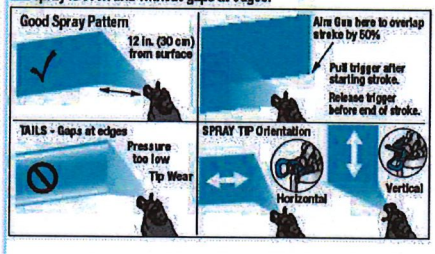
SPRAYING

1 Turn Pressure Control Knob to the START position. Disengage the Trigger Lock.



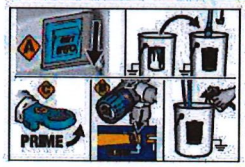
magnum.graco.com/howtospray

2 Increase Pressure Control Knob if needed until spray is even and without gaps at edges.



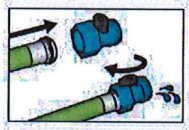
CLEANUP

Garden hose cleanup for water-based paints only. See Owners Manual for pail cleanup or oil-based materials.

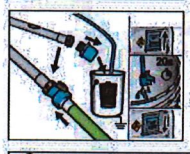


1 Turn Power Switch OFF. Place Suction and Drain Tubes in waste pail. Lift Prime/Spray Valve to PRIME. Turn Pressure Control Knob to START position. Trigger gun into a waste pail.

2 Engage Trigger Lock. Remove Spray Tip Guard assembly from gun and place in waste pail.

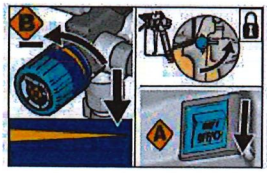


3 Screw Power Flush Valve (included with sprayer) to a garden hose. Turn on water. Open Power Flush Valve. Rinse paint off Suction and Drain Tubes, inlet screen and Spray Tip and Spray Tip Guard. Close Power Flush Valve.



4 Unscrew inlet screen and place in waste pail. Thread Power Flush Valve to Suction Tube. Open Power Flush Valve. Turn Power Switch ON and let water run through Drain Tube for 20 seconds. Turn Power Switch OFF.

5 To save paint in hose, disengage Trigger Lock and trigger gun into paint pail, lower Prime/Spray Valve to SPRAY and turn Power Switch ON. When water comes out of gun, keep gun triggered and aim into waste pail. Continue to flush until water runs clear.



6 Turn Pressure Control Knob to lowest setting and release trigger. Engage Trigger Lock. Lift Prime/Spray Valve to PRIME and turn Power Switch OFF.

CLEANUP

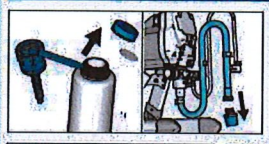
continued

magnum.graco.com/quickcleanup

7 Clean Spray Tip, Spray Tip Guard and inlet screen with brush. Remove gun filter and clean. Reassemble gun filter, Spray Tip and Spray Tip guard.

STORAGE

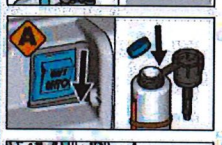
Perform CLEANUP before STORAGE.



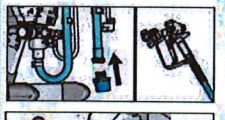
1 Remove Pump Armor bottle cap and foil seal. If needed, unscrew inlet screen from Suction Tube.

2 Lift Prime/Spray Valve to PRIME. Place Drain Tube in waste pail. Turn Pressure Control Knob to START position.

3 While holding the Suction Tube above the sprayer, pour approximately 2 ounces (1/4 cup) of Pump Armor into the Suction Tube and turn Power Switch ON.



4 When Pump Armor is flushed through the sprayer, turn Power Switch OFF. Replace and tighten child-proof cap for storage.



5 Screw inlet screen back to Suction Tube. Ensure that spray gun and hose stay attached to sprayer.

6 Lower Spray/Prime valve to SPRAY position for storage. Turn Power Switch OFF and unplug sprayer from outlet.

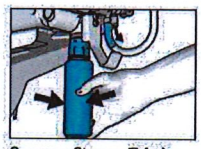
REVERSIBLE SPRAY TIPS

Your sprayer is shipped with a Spray Tip to spray paint. If you are spraying stain see the store associate to purchase a smaller Spray Tip size.

If your sprayer stops spraying, you most likely have a Spray Tip clog. Engage Trigger Lock and reverse the Spray Tip to the UNCLOG position. Disengage Trigger Lock and spray into a waste area to remove the clog. Engage Trigger Lock and return the Spray Tip to SPRAY position. See Owner's Manual for more information.

STORAGE/PRIMING TOOL

Use the Storage/Priming Tool if you are experiencing difficulty priming your sprayer.



See your Storage/Priming Tool Instruction Guide for information on how to use the Priming/Storage Tool.

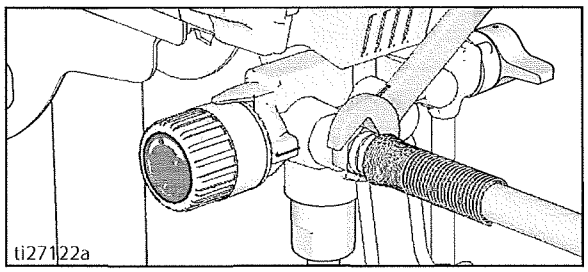
QUESTIONS? go to graco.com

SERVICE GRACO

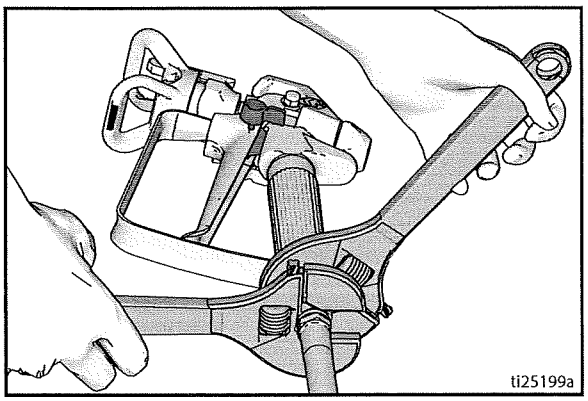
Setup

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

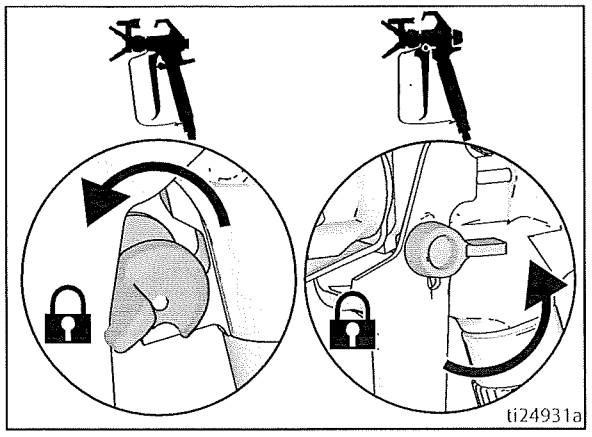
1. Connect Graco airless hose to fluid outlet. Use wrench to tighten securely.



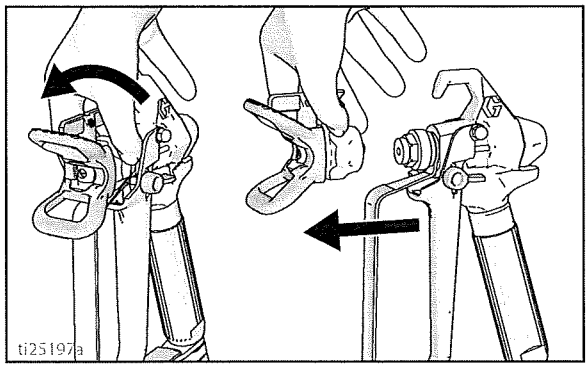
2. Connect other end of hose to gun.



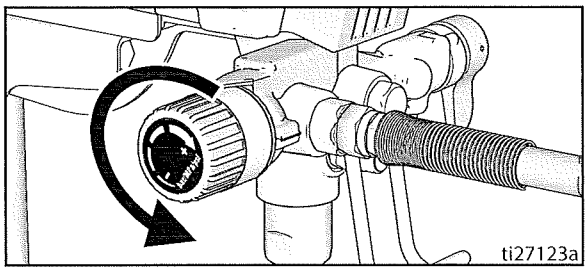
3. Use wrenches to tighten securely. If hose is already connected, make sure connections are tight.
4. Engage trigger lock.



5. Remove tip guard. Do not lose the seal.



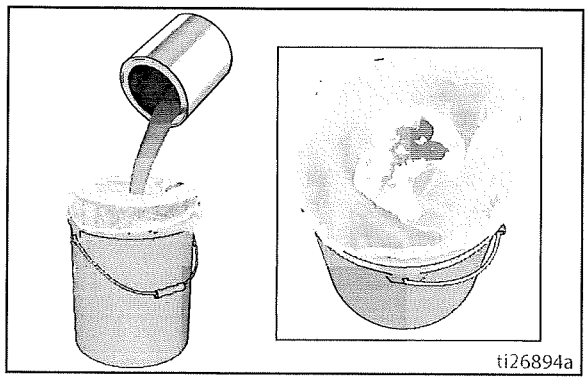
6. Turn Pressure Control Knob all the way left (counter-clockwise) to minimum pressure.



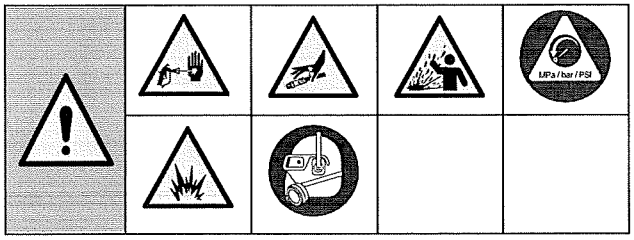
7. When unpacking sprayer for the first time remove packaging materials from inlet strainer. After long term storage check inlet strainer for clogs and debris.

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 using. 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.

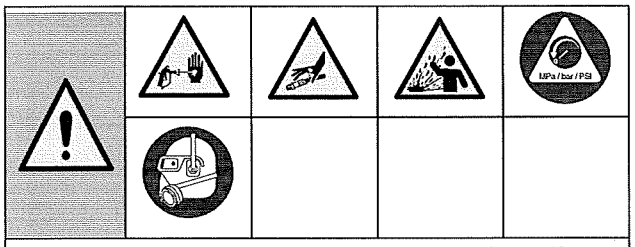


Start Up



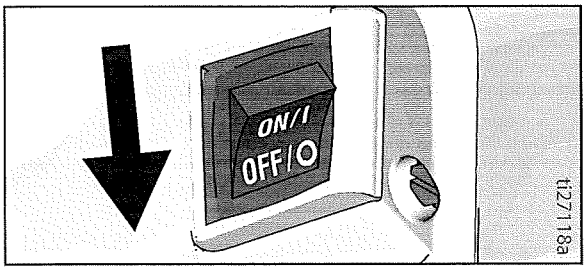
Pressure Relief Procedure

Follow the Pressure Relief Procedure whenever you see this symbol.

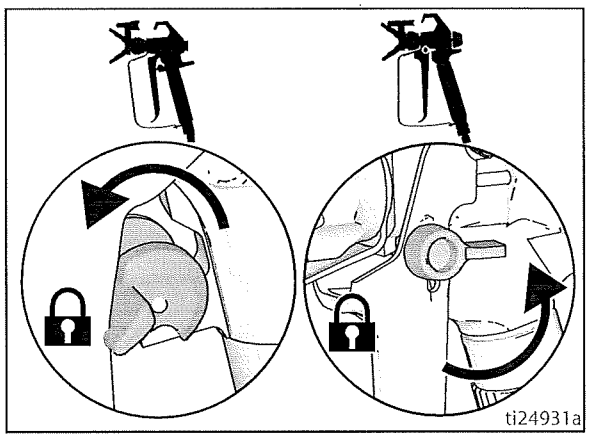


This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection or splashed fluid, follow the **Pressure Relief Procedure** whenever sprayer is stopped and before sprayer is cleaned or checked, and before equipment is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

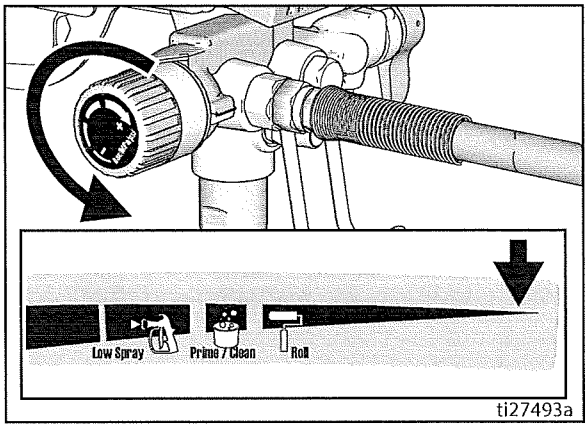
1. Turn ON/OFF switch to the **OFF** position.



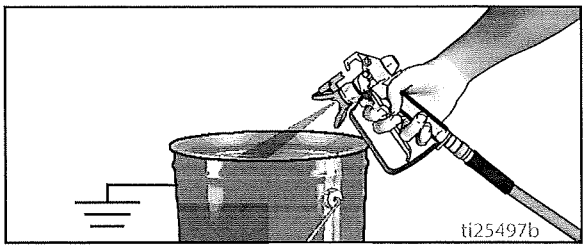
2. Engage the trigger lock. Always engage the trigger lock when sprayer is stopped to prevent the gun from being triggered accidentally.



3. Turn pressure control to lowest setting.



4. Put drain tube into a pail and place 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.



6. Engage the trigger lock.

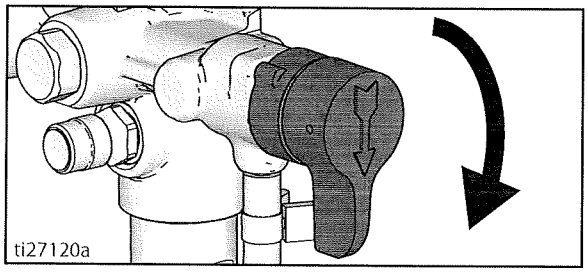
7. If you suspect the spray tip or hose is clogged or that pressure has not been fully relieved:
   a. VERY SLOWLY loosen the spray tip guard retaining nut or the hose end coupling to relieve pressure gradually.
   b. Loosen the nut or coupling completely.
   c. Clear airless hose or spray tip obstruction.

Prime/Spray Valve

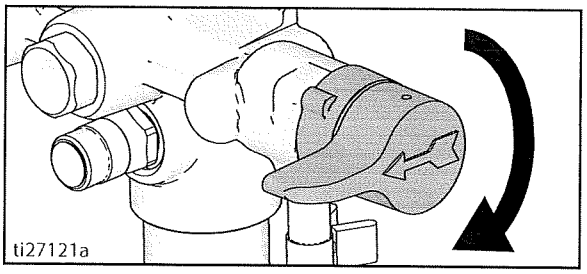
There are two types of Prime/Spray valves used on this group of Graco sprayers.

The first type of Prime/Spray valve uses a knob that can be turned between the PRIME and SPRAY position.

PRIME GX 19

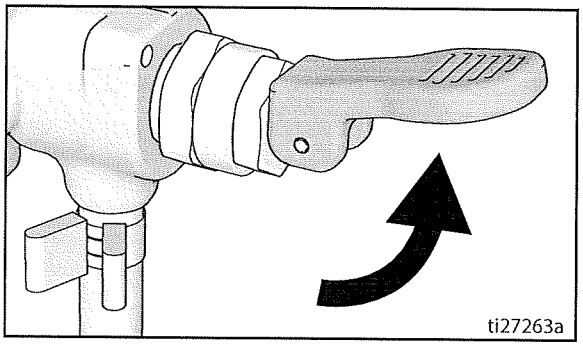


SPRAY GX 19

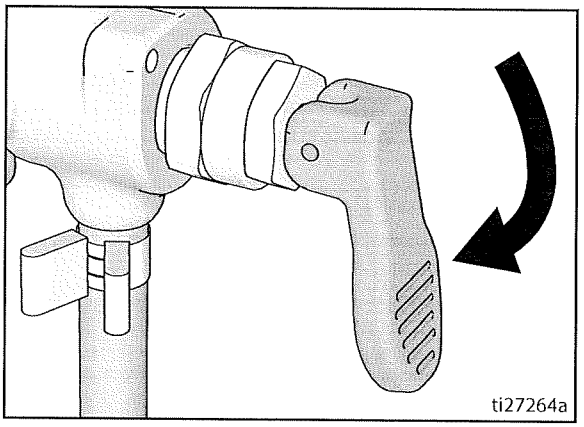


The other type of Prime/Spray valve uses a lever that can be flipped between the PRIME and SPRAY position.

PRIME FinishPro GX 19, GX 21



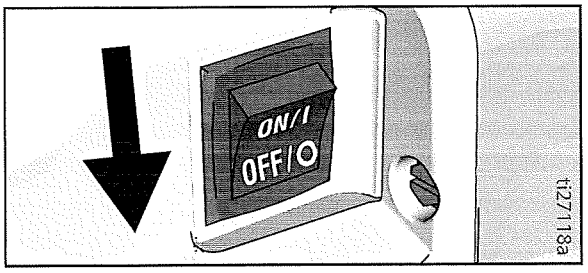
SPRAY FinishPro GX 19, GX 21



Flush Storage Fluid

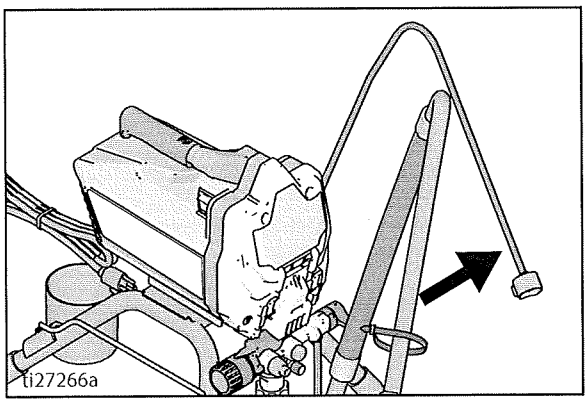
This sprayer arrives from the factory with a small amount of test material in the system. **It is important that you flush this material from the sprayer before using it for the first time.** See **Cleaning Fluid Compatibility**, page 34 and **Static Grounding Instructions**, page 35 for additional information.

1. Perform **Pressure Relief Procedure**, page 17.
2. Make certain ON/OFF switch is **OFF**.

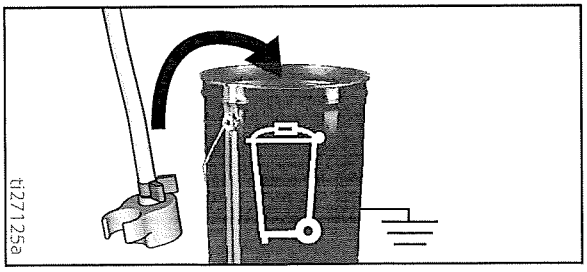


Stand Models

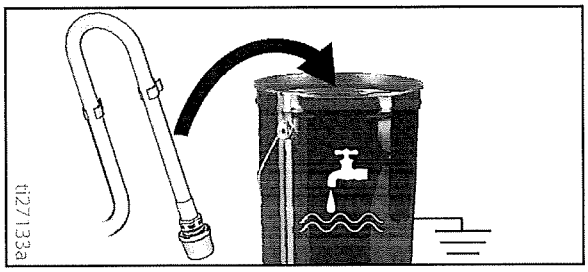
a. Separate drain tube (smaller) from suction tube (larger).



b. Place drain tube in waste pail.

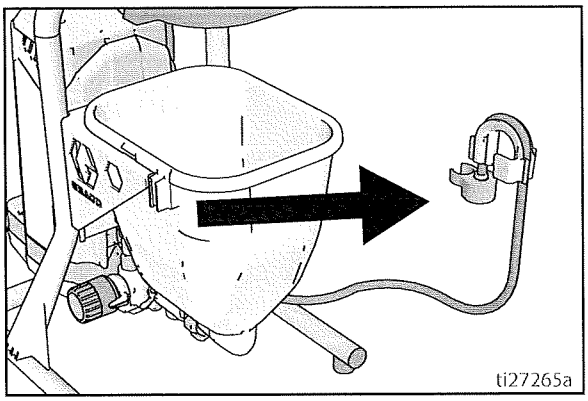


c. Submerge suction tube in a pail partially filled with water or flushing fluid.

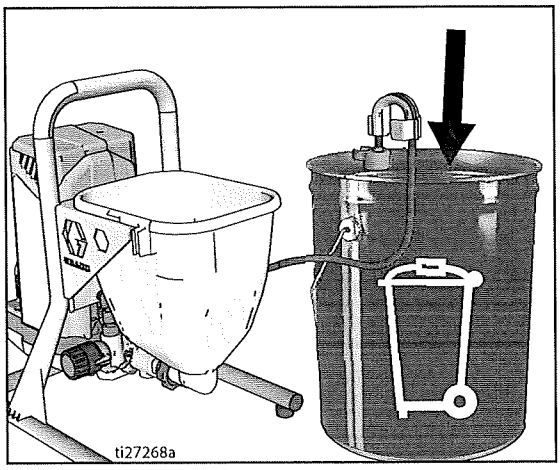


Hopper Models

a. Lift drain tube with retainer off the hopper.

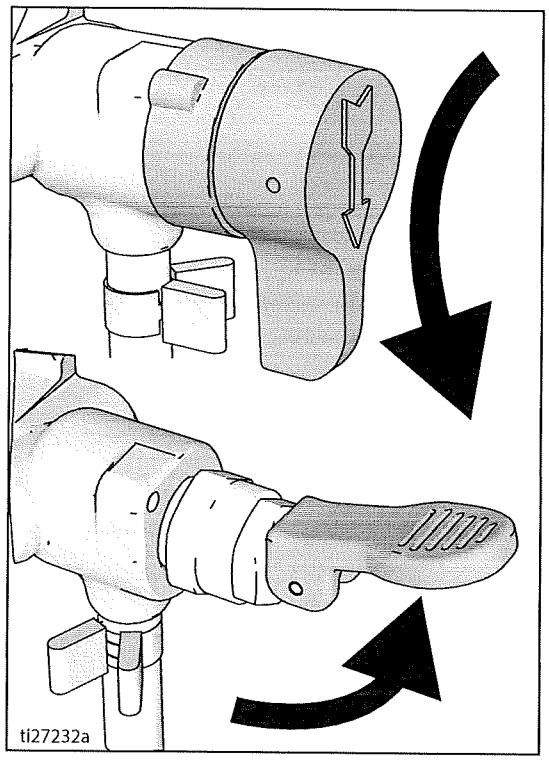


b. While holding the drain tube retainer with drain tube parallel to the top of a waste pail twist retainer over the lip of the pail. Drain tube should now be inside the waste pail.

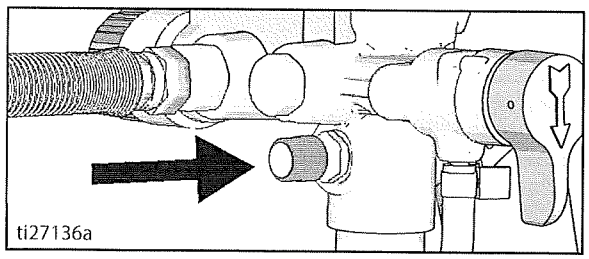


c. Pour approximately two quarts (two liters) of water or flushing fluid into the hopper.

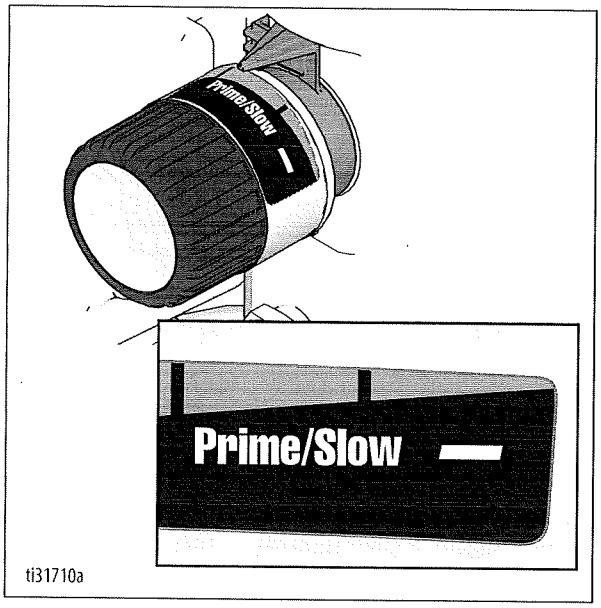
3. Place Prime/Spray valve in PRIME position.



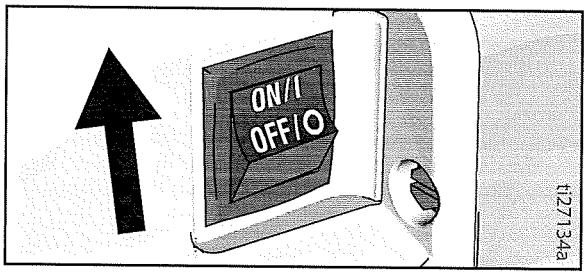
4. Plug power supply cord into a properly grounded electrical outlet.
5. Press PushPrime button twice to loosen inlet ball.



6. Align setting indicator with Prime/Clean setting on Pressure Control Knob.



7. Turn ON/OFF switch to **ON** position.



8. 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. On hopper models, allow fluid to flow out of drain tube until hopper is nearly empty.
9. Turn ON/OFF switch to **OFF** position.

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

10. Inspect for leaks. If leaks occur, perform **Pressure Relief Procedure**, page 17, then tighten all fittings and repeat **Start Up**. If there are no leaks continue with the next step.

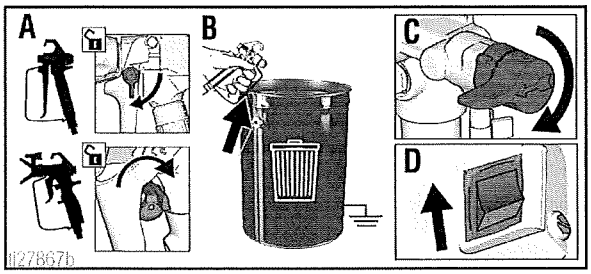
Fill Pump

1. Move suction tube to paint pail and submerge suction tube in paint. On hopper models and add paint to the hopper.
2. Turn ON/OFF switch to **ON** position.
3. Wait to see paint coming out of the drain tube.
4. Turn ON/OFF switch to **OFF** position.

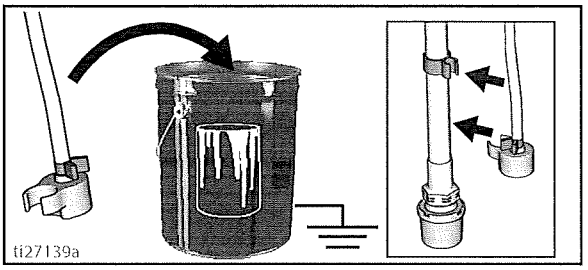
   NOTE: Some fluids may prime faster if the ON/OFF switch is momentarily turned off so the pump can slow and stop. Turn ON/OFF switch on and off several times if necessary.

Fill Gun

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 to SPRAY position.
   d. Turn ON/OFF switch to **ON** position.

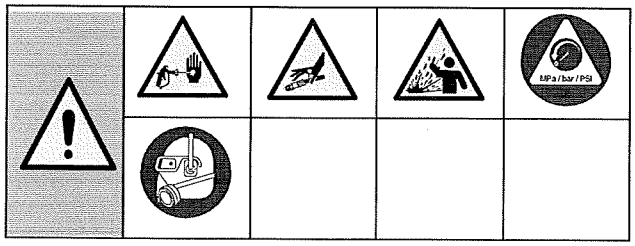


2. Trigger gun into waste pail until only paint comes out of the gun.
3. Release trigger. Engage trigger lock.
4. Transfer drain tube to paint pail and clip to suction tube. On hopper models, clip drain tube to hopper.



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**.

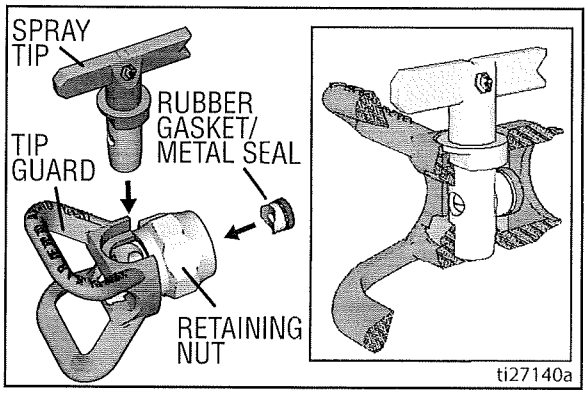
How to Spray



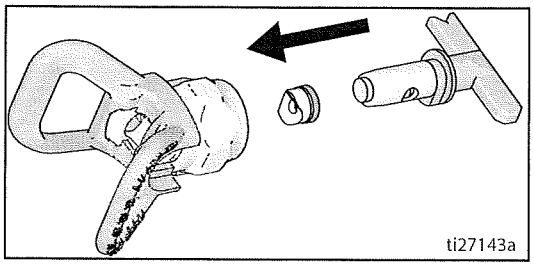
Spray Tip Installation

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

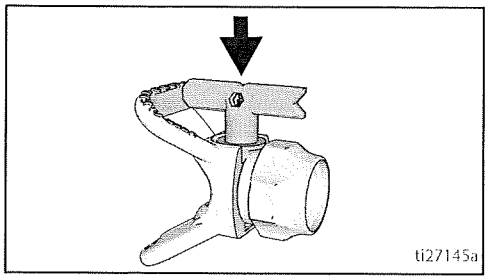
1. Perform **Pressure Relief Procedure**, page 17.
2. Engage trigger lock.
3. Verify spray tip and tip guard parts are assembled in the order shown.



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

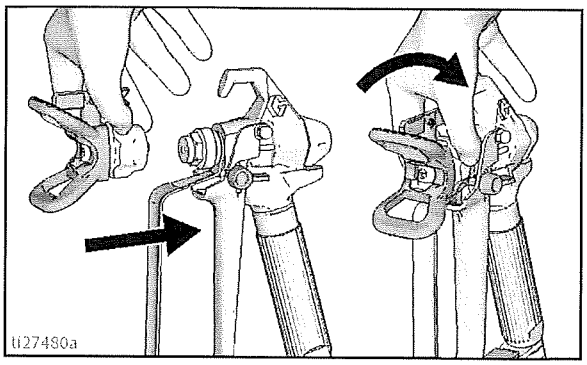


b. Spray tip must be pushed all the way into the tip guard. Turn spray tip to push down.



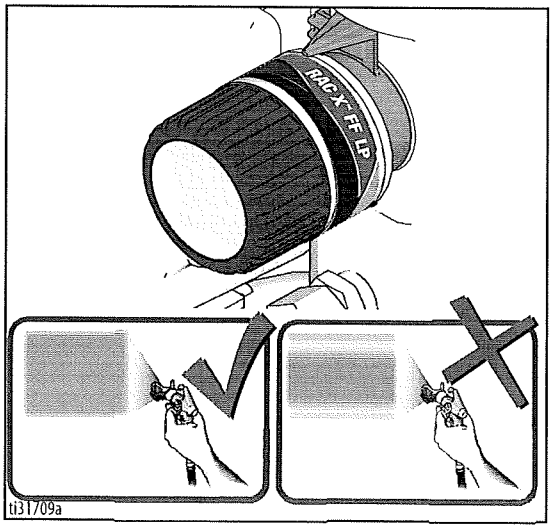
c. Turn the arrow shaped handle on the spray tip forward to the spray position.

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



Spray

When a RAC X™ FF LP Fine Finish Low Pressure reversible spray tip is used, spraying pressure can be lowered. Spraying at a lower pressure results in less overspray and reduces spray tip wear. Adjust the sprayer pressure to minimize overspray.

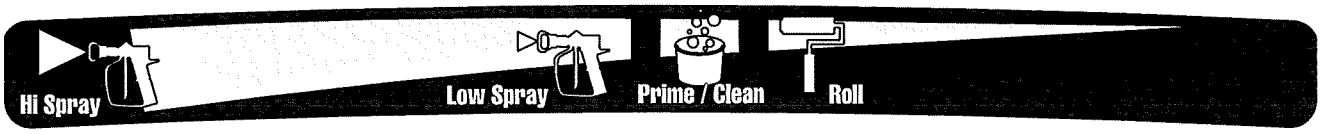


Atomized, evenly distributed fan pattern

Tails

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.



3000 psi (207 bar, 20.7 MPa) | *1500 psi (103 bar, 10.3 MPa)* | *500 psi (34.5 bar, 3.5 MPa)* | ti5597b

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

Tip and Pressure Selection

See table for recommended spray pressure for your material. Refer to paint (material) can for manufacturer's recommendations.

Maximum tip hole sizes supported by the sprayer:

- GXFF, GX19, FinishPro GX19: 0.019 in. (0.48 mm)
- GX21: 0.021 in. (0.53 mm)

	Coatings				
	Stains	**Enamels**	**Primers**	**Interior Paints**	**Exterior Paints**
Spray Pressure Setting	**Low Spray**	**Low Spray**	**High Spray**	**High Spray**	**High Spray**
Tip Hole Size					
0.011 in. (0.28 mm)	✓				
0.013 in. (0.33 mm)	✓	✓	✓	✓	
0.015 in. (0.38 mm)		✓	✓	✓	✓
0.017 in. (0.43 mm)			✓	✓	✓
0.019 in. (0.48 mm)					✓
0.021 in. (0.53 mm)					✓

Fine Finish Tips

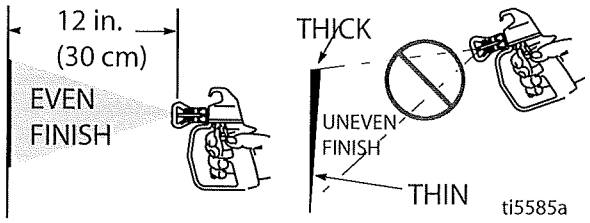
Fine Finish tips have an additional orifice that provides a finer atomization of the material.

	Coatings				
Size	**Polyurethane**	**Lacquer**	**Sanding Sealer**	**Enamels**	**Latex**
Spray Pressure Setting	**Low Spray**	**Low Spray**	**Low Spray**	**High Spray**	**High Spray**
0.008 in. (0.20 mm)	✓	✓	✓		
0.010 in. (0.25 mm)	✓	✓	✓		
0.012 in. (0.31 mm)				✓	
0.014 in. (0.36 mm)					✓
0.016 in. (0.41 mm)					✓

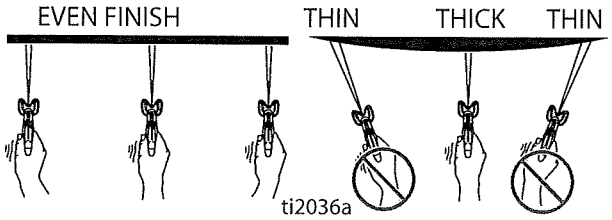
Spray Techniques

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.

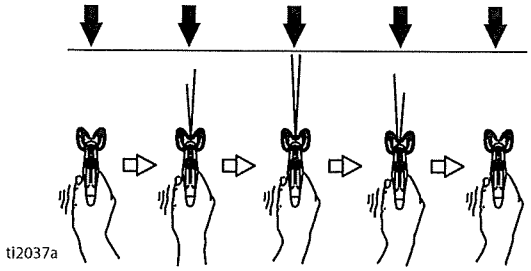


- Flex wrist to keep gun pointed straight. Fanning gun to direct spray at angle causes uneven finish.



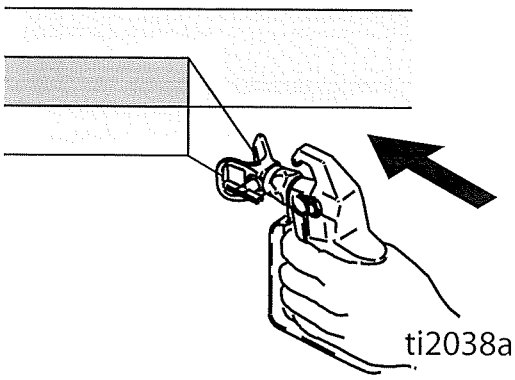
Triggering Gun

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



Aiming Gun

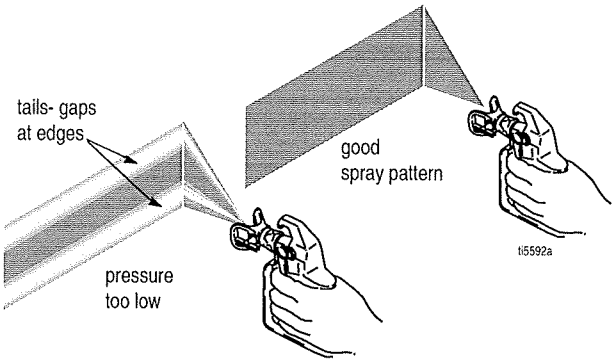
Aim center of spray of gun at bottom edge of previous stroke, overlapping each stroke by half.



Spray Pattern Quality

A good spray pattern is evenly distributed as it hits the surface.

- Spray should be atomized (evenly distributed, no gaps at edges).



If tails persist when spraying at the highest spray pressure:

- Spray tip may be worn. See **Spray Tip Selection**, page 34.
- A smaller spray tip may be needed.
- Material may need to be thinned. If material needs to be thinned follow manufacturer's recommendations.

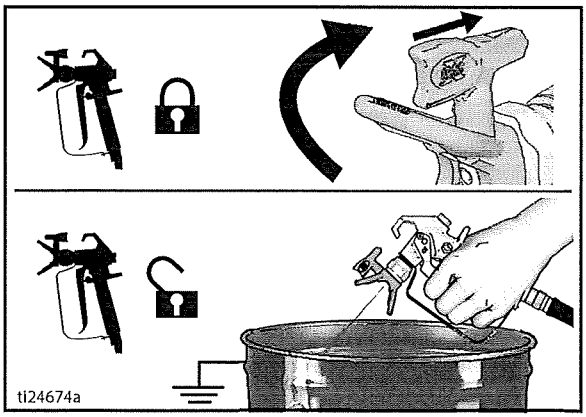
Clear Tip Clog

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**, page 16 for additional information.

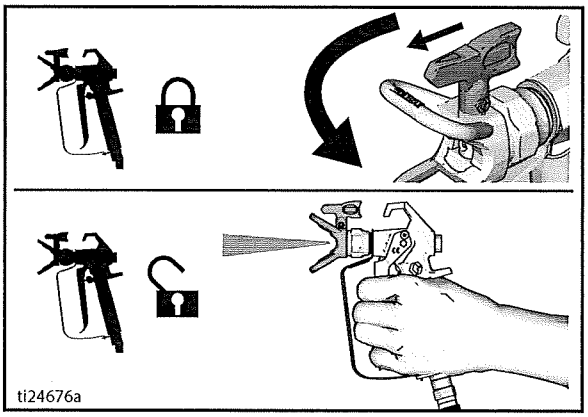
1. Release trigger. Engage trigger lock. Rotate spray tip to unclog position. Disengage trigger lock. Trigger gun at waste area to clear clog.

Unclog



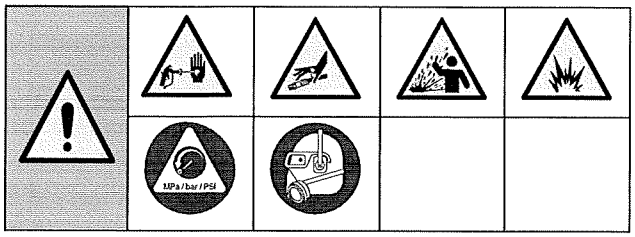
2. Engage trigger lock. Rotate spray tip back to spray position. Disengage trigger lock and continue spraying.

Spray



Cleanup

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

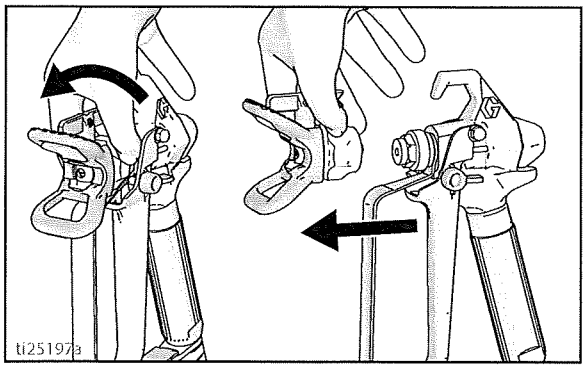


Cleaning from a Pail
(Stand Models Only)

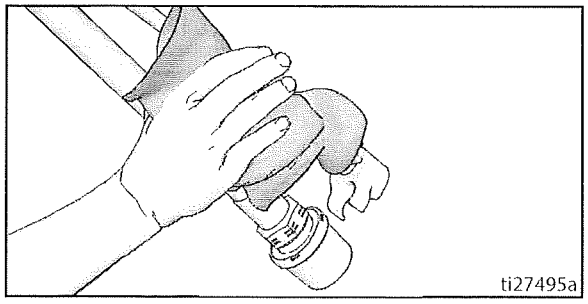
Pail flushing only works with models that have a suction tube.

- For long term storage refer to **Storage**, page 33.
- See **Cleaning Fluid Compatibility**, page 34 and **Static Grounding Instructions**, page 35.

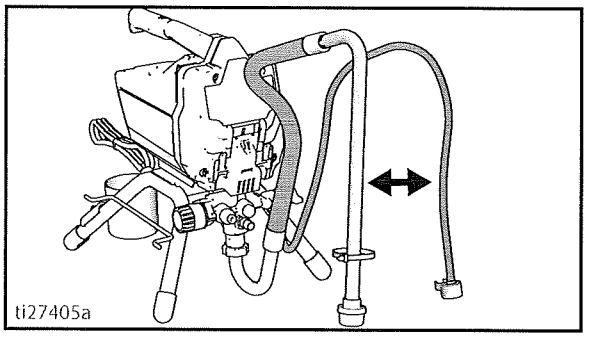
1. Perform **Pressure Relief Procedure**, page 17.
2. Remove tip guard and spray tip.



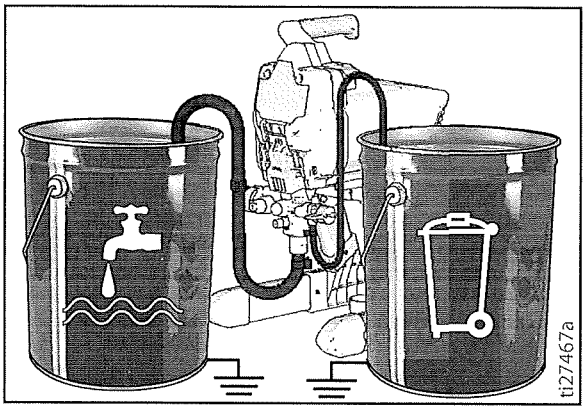
3. Remove suction tube and drain tube from paint, wipe excess paint off outside.



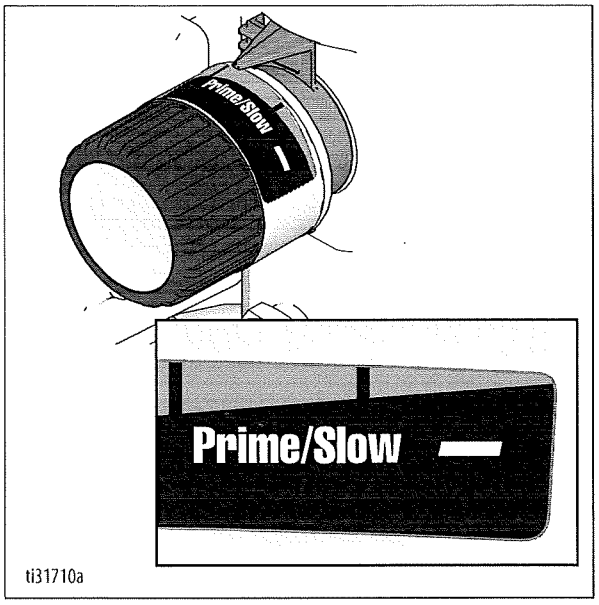
4. Separate drain tube (smaller) from suction tube (larger).



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.



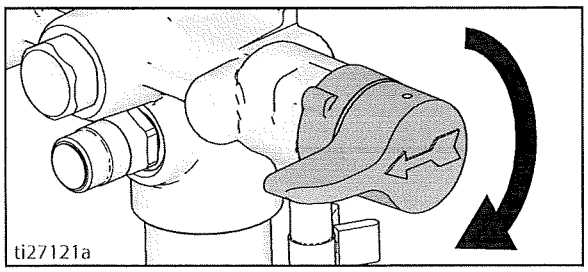
7. Turn pressure control knob to the Prime/Clean setting.

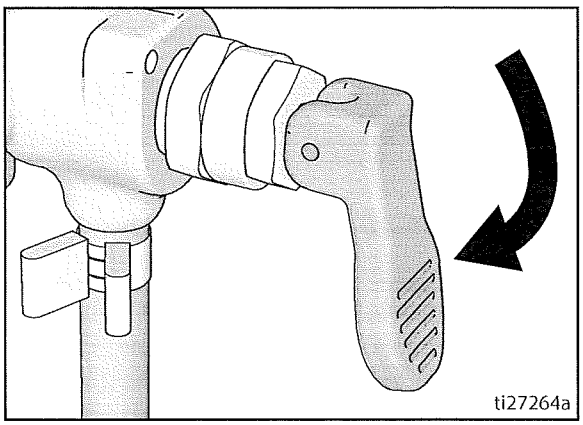


8. Place Prime/Spray valve in PRIME position.
9. Turn ON/OFF switch to **ON** position.
10. Flush until approximately 1/3 of the flushing fluid is emptied from the pail.
11. Turn ON/OFF switch to **OFF** position.

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

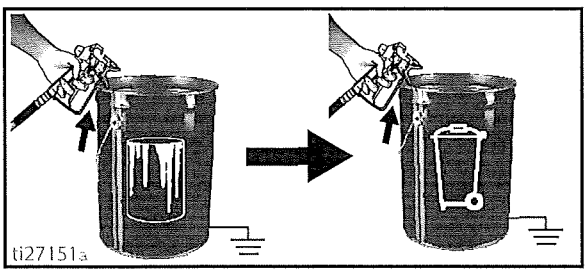
12. To recover paint in hose:
    a. Hold gun firmly to the paint pail.
    b. Point gun into paint pail.
    c. Disengage trigger lock.
    d. Pull and hold gun trigger.
    e. Place Prime/Spray valve in SPRAY position.



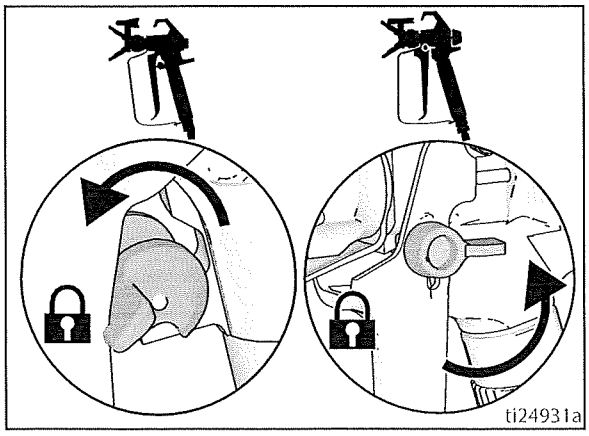


    f. Turn ON/OFF switch to **ON** position.
    g. Continue to hold gun trigger until you see paint diluted with flushing fluid starting to come out of gun.

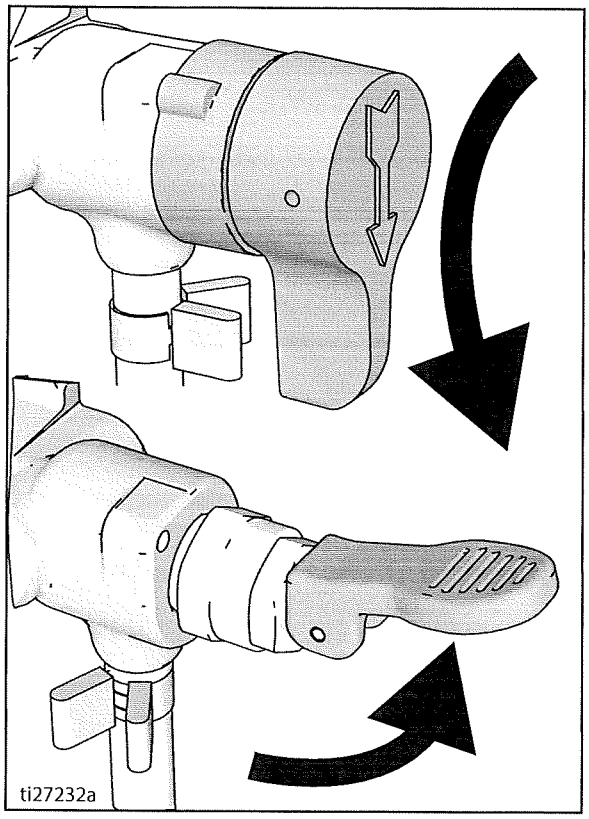
13. While continuing to trigger gun, quickly move gun to redirect spray into waste pail. Continue triggering gun into waste pail until flushing fluid dispensed from gun is relatively clear.



14. Stop triggering gun. Engage the trigger lock.



15. Place Prime/Spray valve in PRIME position.



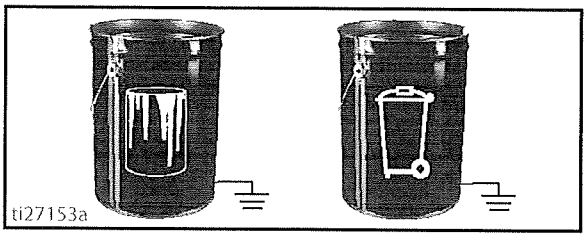
16. Turn ON/OFF switch to **OFF** position.
17. Clean filter. See **Cleaning Insta-Clean™ Fluid Filter**, page 32.
18. Fill unit with Pump Armor™ fluid. See **Storage**, page 33.

Power Flush

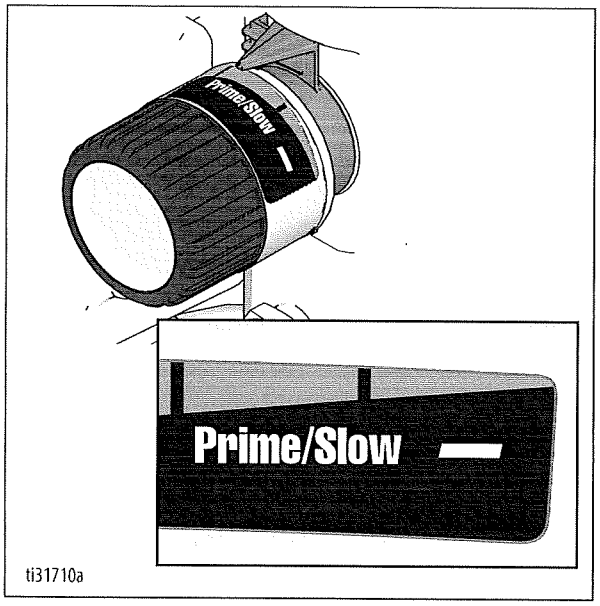
(GX 21, Water-based materials Only)

Power flushing is a faster method of flushing. It can only be used after spraying water-based coatings.

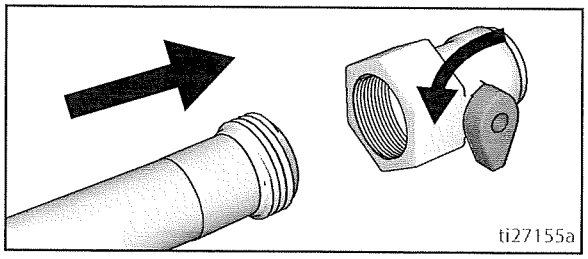
1. Perform **Pressure Relief Procedure**, page 17.
2. Remove spray tip and tip guard assembly from gun and place in waste pail.
3. Place empty waste and paint pails side by side.



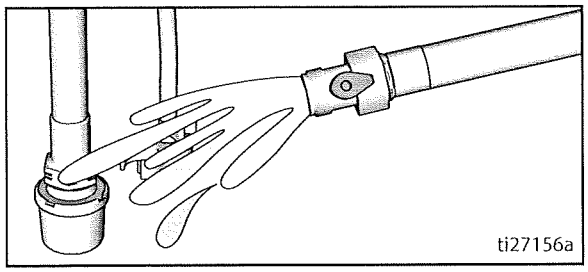
4. Lift suction tube and drain tube from paint pail. Let paint drain into the pail.
5. Place suction and drain tube in waste pail.
6. Turn Pressure Control knob to the Prime/Clean setting.



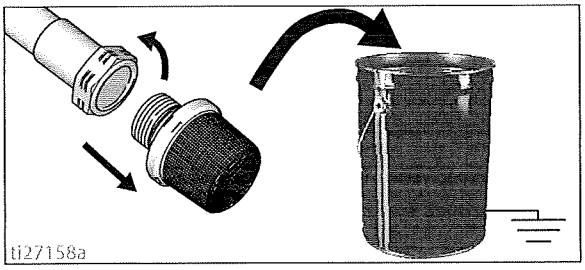
7. Screw power flush attachment valve to garden hose. Close valve.



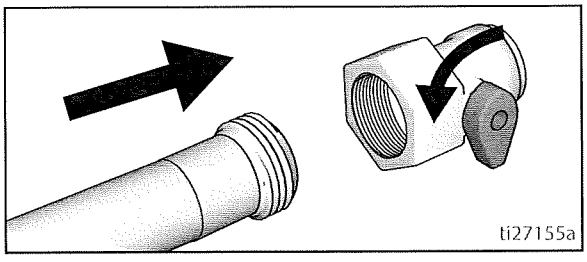
8. Turn on water. Open valve. Rinse paint off suction tube, drain tube and inlet strainer then close valve.



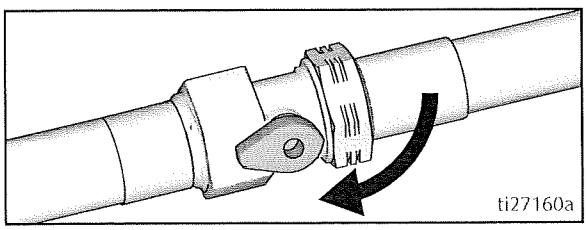
9. Unscrew inlet strainer from suction tube. Place inlet strainer rinse in waste pail.



10. Connect garden hose to suction tube with Power Flush attachment valve. Leave drain tube in waste pail.



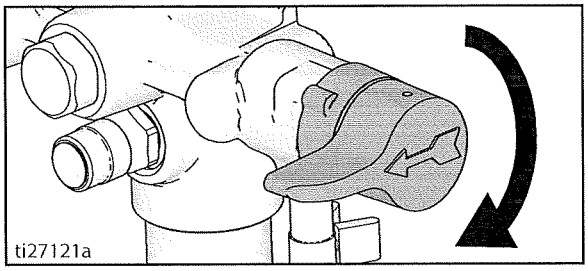
11. Turn ON/OFF switch to **ON** position.
12. Open Power flush attachment valve.

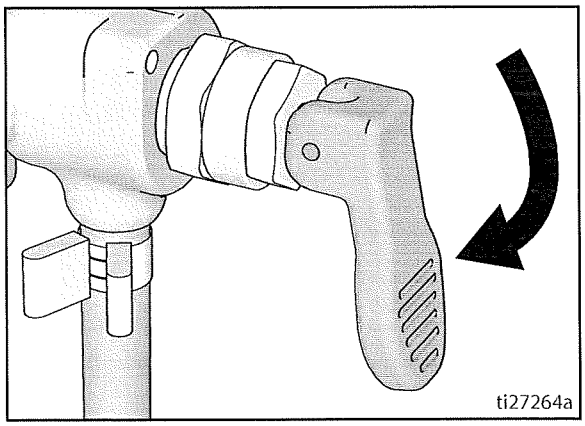


13. Circulate water through sprayer, into waste pail, for 20 seconds.
14. Turn ON/OFF switch to **OFF** position.

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

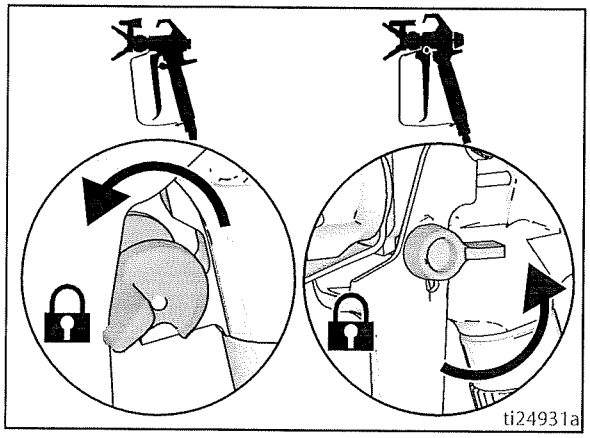
15. To recover paint in hose:
    a. Hold gun firmly to the paint pail.
    b. Point gun into paint pail.
    c. Disengage trigger lock.
    d. Pull and hold gun trigger.
    e. Place Prime/Spray valve in SPRAY position.



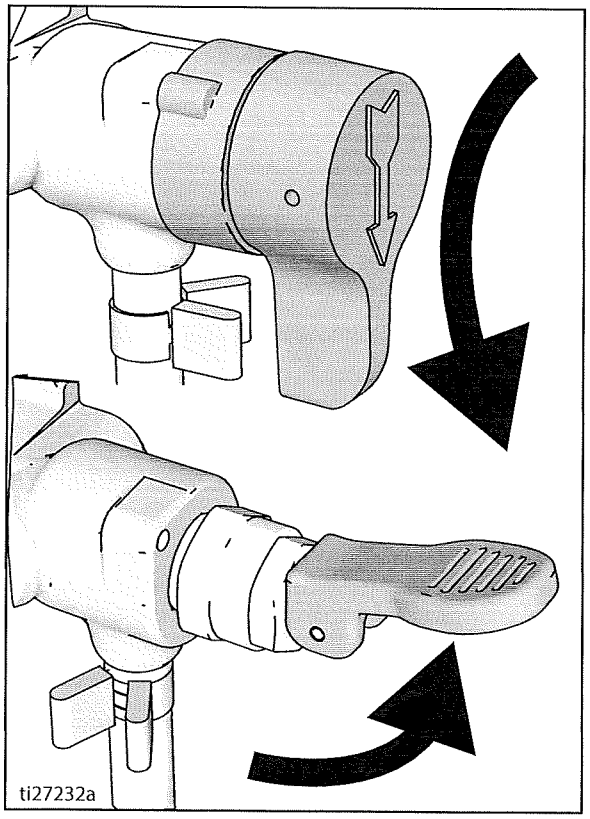


    f. Turn ON/OFF switch to **ON** position.
    g. Continue to hold gun trigger until you see paint diluted with flushing fluid starting to come out of gun.
16. While continuing to trigger gun, quickly move gun to redirect spray into waste pail. Continue triggering gun into waste pail until flushing fluid dispensed from gun is relatively clear.
17. Turn pressure control knob to the Prime/Clean setting.

18. Stop triggering gun. Engage the trigger lock.



19. Place Prime/Spray valve in PRIME position.

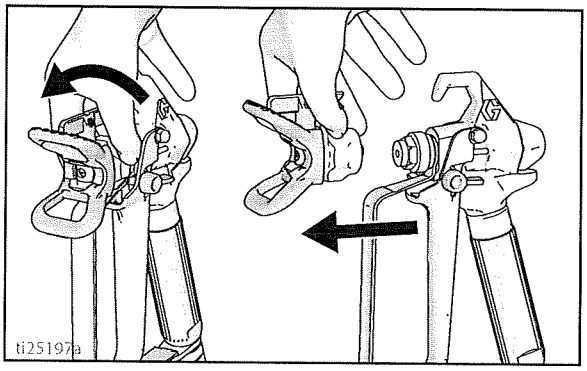


20. Turn ON/OFF switch to **OFF** position.

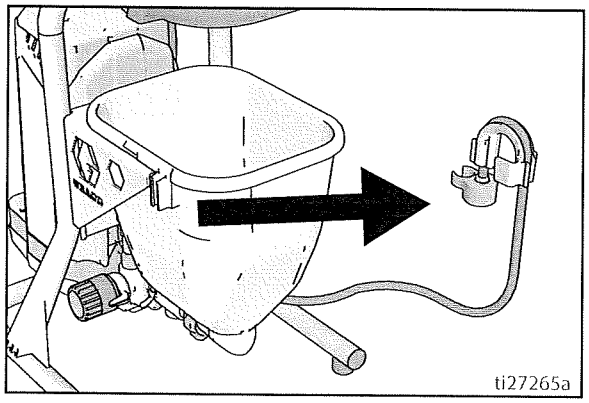
Hopper Flushing
(Hopper Models Only)

See **Cleaning Fluid Compatibility**, page 34.

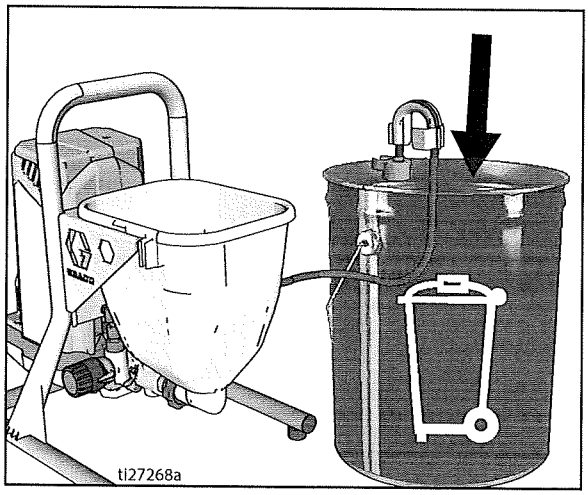
1. Perform **Pressure Relief Procedure**, page 17.
2. Pour any remaining material out of the hopper.
3. Remove tip guard and Spray Tip. For additional information, see **Clean the Gun**, page 32.



4. Remove drain tube from paint hopper, wipe excess paint off outside.

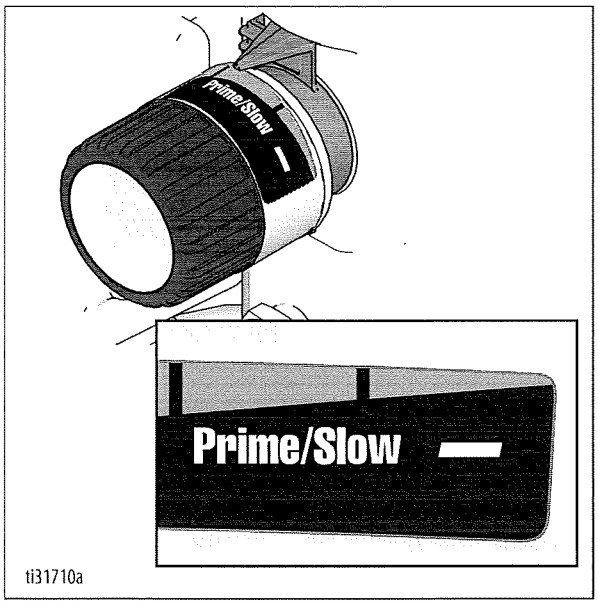


5. Place drain tube in waste pail.



6. Pour flushing fluid into the hopper. Use water for water-based paint and mineral spirits for oil-based paint.

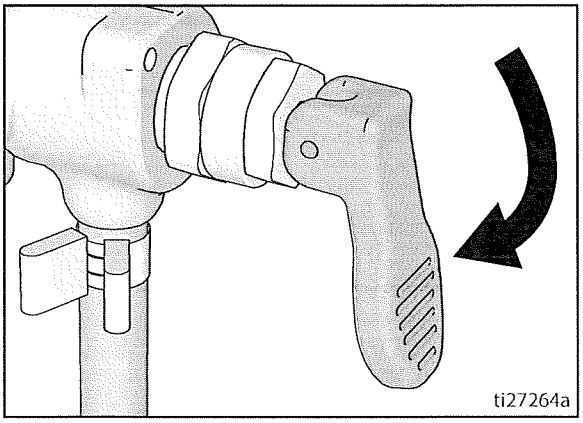
7. Turn pressure control knob to the Prime/Clean setting.



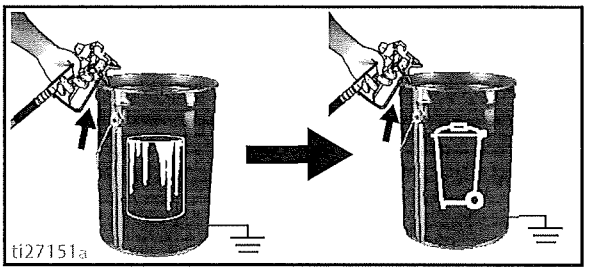
8. Turn ON/OFF switch to **ON** position.
9. Flush until approximately 1/3 of the flushing fluid is emptied from the hopper.
10. Turn ON/OFF switch to **OFF** position.

NOTE: Step 11 is for returning paint in hose to paint pail. One 50 ft (15 m) hose holds approximately 1 quart (1 liter) of paint.

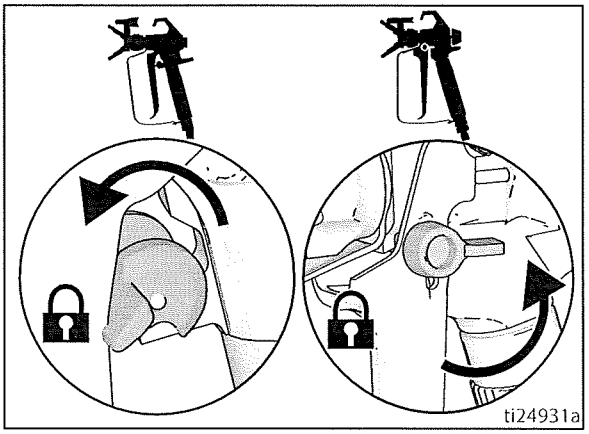
11. To recover paint in hose:
    a. Point gun into paint pail.
    b. Disengage trigger lock.
    c. Pull and hold gun trigger.
    d. Place Prime/Spray valve in SPRAY position.



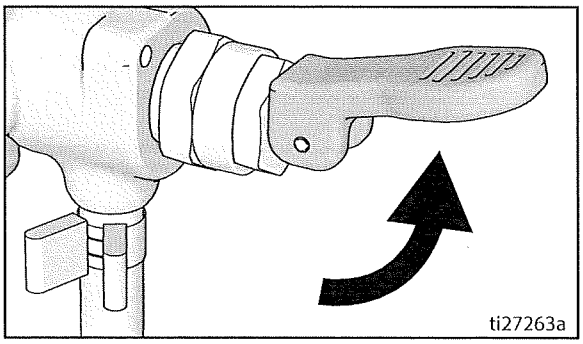
    e. Turn ON/OFF switch to **ON** position.
    f. Continue to hold gun trigger until you see paint diluted with flushing fluid starting to come out of gun.
12. While continuing to trigger gun, quickly move gun to redirect spray into waste pail. Continue triggering gun into waste pail until flushing fluid dispensed from gun is relatively clear.



13. Stop triggering gun. Engage the trigger lock.



14. Place Prime/Spray valve in PRIME position.



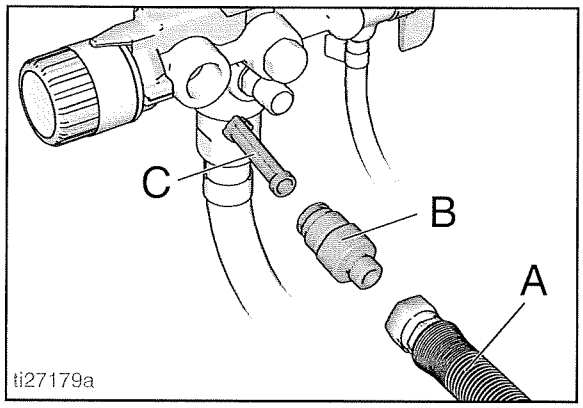
15. Turn ON/OFF switch to **OFF** position.
16. On sprayers with a filter, see **Cleaning InstaClean™ Fluid Filter**, page 32.
17. Fill unit with Pump Armor™ storage fluid. See **Storage**, page 33.

Cleaning InstaClean™ Fluid Filter

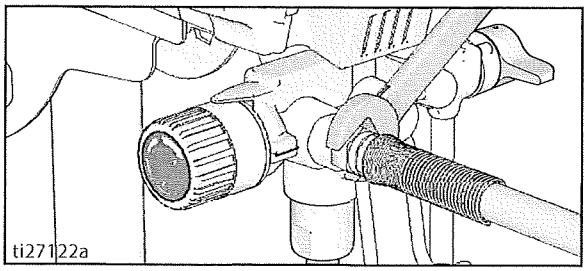
(Optional)

The InstaClean Fluid Filter prevents particles from entering paint hose. After each use, remove and clean it to ensure peak performance.

1. Perform **Pressure Relief Procedure**, page 17.
2. Disconnect airless spray hose (A) from sprayer.
3. Unscrew outlet fitting (B).
4. Remove InstaClean Fluid Filter (C).

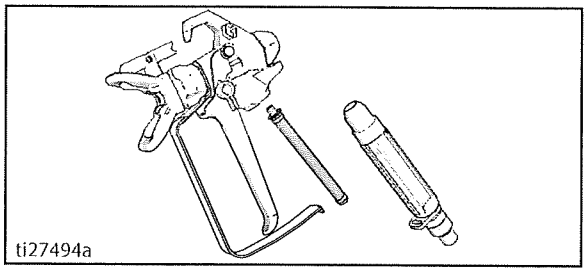


5. Check InstaClean Fluid Filter (C) for debris. If needed, clean filter with water or flushing solvent and a soft brush.
   a. Install closed (square) end of InstaClean Fluid Filter (C) in sprayer.
   b. Screw outlet fitting (B) into sprayer.
6. Tighten outlet fitting and reconnect hose (A) to sprayer. Use wrench to tighten securely.

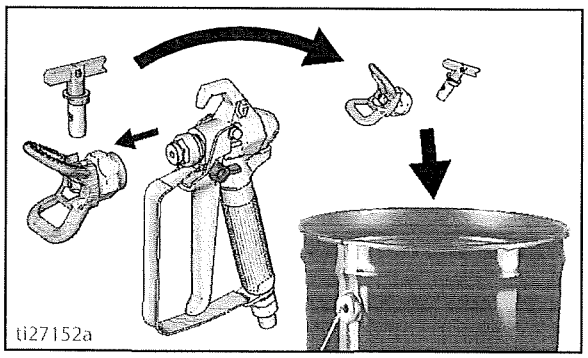


Clean the Gun

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 assembly 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.