

Operation, Repair, Parts



SaniSpray HP™ 20 Corded Airless Handheld

3A7646C

EN

For portable spraying of water-based, non-flammable disinfectants approved for spray application only. Not for applying architectural paints and coatings. Not approved for use in explosive atmospheres or hazardous (classified) locations. For professional use only.



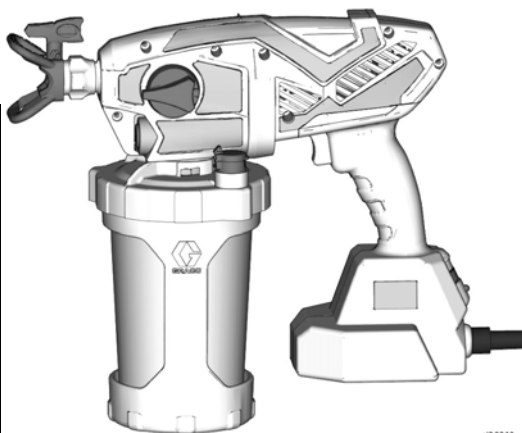
Important Safety Instructions

Read all warnings and instructions in this manual and on the unit, including the power cord. Be familiar with the controls and the proper usage of the equipment. Save these instructions.



Important Medical Information

Read the medical alert card provided with the sprayer. It contains injection injury treatment information for a doctor. Keep it with you when operating the equipment.



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WARNING

CHEMICAL HAZARD

To prevent serious injury:

- Follow all directions and requirements on disinfectant label. It is a violation of Federal law to use an EPA-approved disinfectant in a manner inconsistent with its labeling.
- Flush after each use. Never store disinfectant in equipment.
- Use only with appropriate personal protective equipment.



Questions?
844-241-9499
www.graco.com/techsupport



*Use only genuine Graco replacement parts.
The use of non-Graco replacement parts may void warranty.*

PROVEN QUALITY. LEADING TECHNOLOGY.

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Models

Model	Sprayer Name	Voltage	Tip Family	Tip Size
25R790	SaniSpray HP 20 Corded Airless Handheld	120V	LPxxx	0.013-0.019 in (0.33-0.48 mm)

Maximum Working Pressure: 1000 psi (6.9 MPa, 69 bar)



Intertek

110474

Certified to CAN/CSA C22.2 No. 68
Conforms to UL 1450

Important User Information



Before using your disinfectant sprayer, read this manual for complete instructions on proper use and safety warnings.



You must also read and follow the information on the disinfectant container label and ask for a Safety Data Sheet (SDS) from your supplier. The container label and SDS will explain the contents of the material, instructions for use and the specific precautions related to the contents of the material. Those precautions include personal protective equipment (PPE).



The sprayer is designed to spray disinfectants that are water-based and clean up with water.



KNOW YOUR DISINFECTANT'S ACTIVE INGREDIENTS

For the purpose of safely using this sprayer, you need to know what kind of **active ingredients** are in the disinfectant. Look on the container label for the list of active ingredients. There are two categories:














ALCOHOL: This type of disinfectant contains flammable active ingredients such as ethanol (ethyl alcohol) or isopropanol (IPA). The container label should indicate that this material is **COMBUSTIBLE** or **FLAMMABLE**. This type of material is **NOT** compatible with your sprayer and **CANNOT** be used.









NON-ALCOHOL: This type of disinfectant contains active ingredients such as aldehydes, phenols, quaternary ammonium compounds, sodium hypochlorite (bleach), peroxyacetic acid, hydrogen peroxide, and hypochlorous acid. Your sprayer is compatible with this type of material.

Warnings

The following warnings are for the setup, use, grounding, maintenance, and repair of this equipment. The exclamation point symbol alerts you to a general warning and the hazard symbols refer to procedure-specific risks. When these symbols appear in the body of this manual or on warning labels, refer back to these Warnings. Product-specific hazard symbols and warnings not covered in this section may appear throughout the body of this manual where applicable.

 WARNING	
     	CHEMICAL HAZARD Toxic disinfectant or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed. <ul style="list-style-type: none">• Keep away from children.• Use only to spray surfaces. Do not spray humans or animals.• Use only with appropriate personal protective equipment. See PERSONAL PROTECTIVE EQUIPMENT, page 5.• Follow all directions and requirements on disinfectant label. It is a violation of Federal law to use an EPA-approved disinfectant in a manner inconsistent with its labeling.• Flush with water after each use. Never store disinfectant in equipment.• Read Safety Data Sheets (SDSs) to know the specific hazards of the disinfectants you are using.• Store and dispose of disinfectants according to instructions on disinfectant container labels.
   	SKIN INJECTION HAZARD High-pressure spray is able to inject toxins into the body and cause serious bodily injury that can result in amputation. In the event that injection occurs, get immediate surgical treatment . <ul style="list-style-type: none">• Use only to spray surfaces. Do not spray humans or animals.• Do not point spray tip at anyone or place any part of your body in front of tip. For example, do not try to stop leaks with any part of the body.• Always use the spray tip guard. Do not spray without spray tip guard in place. Use only Graco spray tips.• Use caution when cleaning and changing spray tips. In the case where the spray tip clogs while spraying, follow the Pressure Relief Procedure, page 8, for relieving the pressure before removing the spray tip to clean.• Equipment maintains pressure after power is shut off. Do not leave the equipment energized or under pressure while unattended. Unplug the sprayer and follow the Pressure Relief Procedure, page 8, when the equipment is unattended or not in use, and before servicing, cleaning, or removing parts.• Check parts for signs of damage. Replace any damaged parts.• This system is capable of producing 1000 psi (69 bar, 6.9 MPa). Use Graco parts or accessories that are rated a minimum of 1000 psi (69 bar, 6.9MPa).• Do not carry the sprayer with a finger on the trigger.• 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.

WARNING

	<p>FIRE AND EXPLOSION HAZARD</p> <p>Flammable fumes, such as disinfectants, in work area can ignite or explode. To help prevent fire and explosion:</p> <ul style="list-style-type: none"> • Use only water-based, non-flammable disinfectants approved for spray application. • Do not spray or flush with ANY alcohol-based or other flammable liquids. • Sprayer generates sparks. When flammable liquids are used near the sprayer, keep sprayer at least 20 feet away from explosive vapors. • Use equipment only in a well-ventilated area. • Do not spray electrical or electronic equipment. • Keep work area free of debris, including disinfectants, rags, and gasoline. • Keep a working fire extinguisher in the work area.
 	<p>EQUIPMENT MISUSE HAZARD</p> <p>Misuse can cause death or serious injury.</p> <ul style="list-style-type: none"> • 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 alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards. • Use only in dry locations. Do not expose to water or rain. • Use in well-lit areas. • Make sure all equipment is rated and approved for the environment in which you are using it.
 	<p>ELECTRIC SHOCK HAZARD</p> <p>This equipment must be grounded. Improper grounding, setup, or usage of the system can cause electric shock.</p> <ul style="list-style-type: none"> • 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 get wet or expose to rain. Store indoors.
	<p>PERSONAL PROTECTIVE EQUIPMENT</p> <p>Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, burns, hearing loss, and inhalation of disinfectant chemical mists and vapors. Protective equipment includes but is not limited to:</p> <ul style="list-style-type: none"> • Protective eye-wear, and hearing protection. • Appropriate respirators, protective clothing, and gloves. • All protective equipment specified by the disinfectant manufacturer.

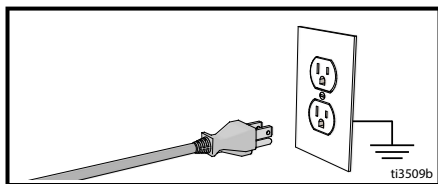
WARNING



GROUNDING

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 or modification of the grounding plug can result in electric shock.
- This product is for use on a nominal 120V circuit and has a grounding plug similar to the plug illustrated below.



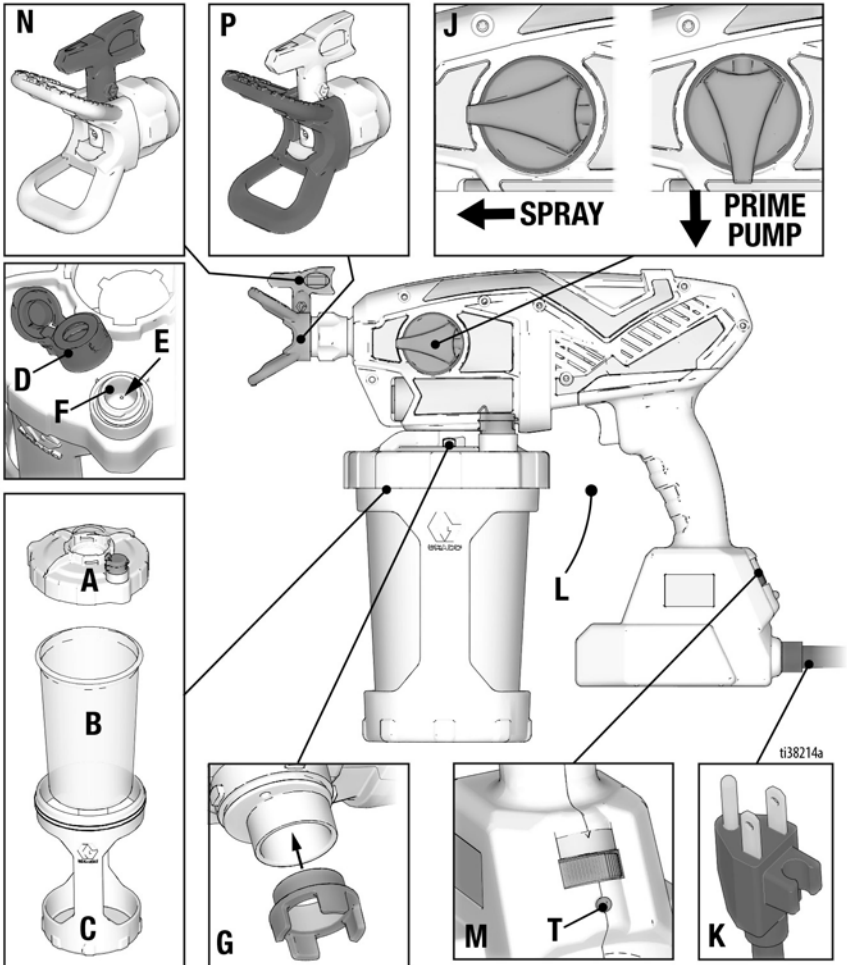
- Only connect the product to an outlet having the same configuration as the plug.
- Do not modify the plug provided; if it does not fit the outlet, have the proper outlet installed by a qualified electrician.
- Do not use an adapter with this product.
- When repair or replacement of the cord or plug 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.

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.
- When using the sprayer outdoors, use an extension cord suitable for outdoor use.
- Make sure your extension cord is not damaged.
- When using an extension cord, be sure to use a cord heavy enough to carry the current that your sprayer draws. An undersized cord results in a drop in line voltage and loss of power and overheating. When in doubt use the next heavier gauge. The smaller the gauge number the heavier the cord. See chart for appropriate sizes and lengths:

Conductor Size	Length
AWG (American Wire Gauge)	Maximum
16	25 ft.
12	50 ft.

Know Your Sprayer






A	Cup Lid
B	FlexLiner
C	Cup Support
D	VacuValve Cap
E	VacuValve Air Hole
F	VacuValve Reservoir
G	Pump Filter

J	Prime Pump/Spray Knob
K	Power Cord
L	Sprayer Trigger
M	Speed Control
N	Spray Tip. Reverse-A-Clean (RAC)
P	Spray Tip Guard
T	Diagnostic Light

Start Up

Start Up


				
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Use only water-based, non-flammable disinfectants approved for spray application.

Do not spray or flush with ANY alcohol-based or other flammable liquids.

Keep spray area well-ventilated. Keep a good supply of fresh air moving through the area.

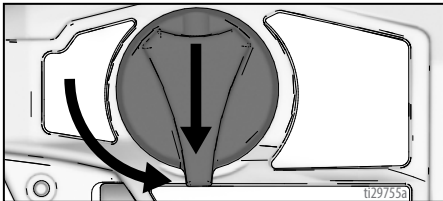
Pressure Relief Procedure

 Follow the Pressure Relief Procedure whenever you see this symbol.

				
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This sprayer builds up an internal pressure of 1000 psi (6.9 MPa, 69 bar) during use. To help prevent serious injury from pressurized fluid, such as skin injection and splashing fluid, follow the **Pressure Relief Procedure** whenever you stop spraying and before cleaning, checking, servicing, or transporting equipment to prevent serious injury.

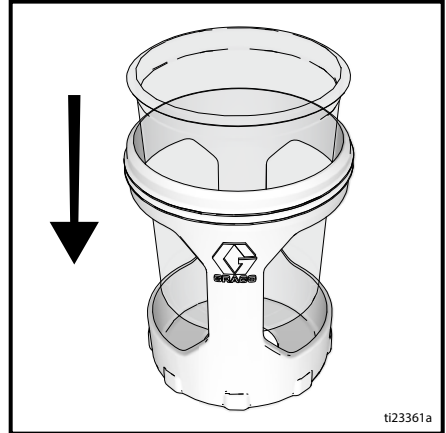
1. Disconnect power (unplug Power Cord).
2. Turn Prime Pump/Spray Knob downward to PRIME position to relieve pressure.



Flushing a New Sprayer

This sprayer arrives from the factory with a small amount of test fluid in the system. **It is important that you flush this fluid from the sprayer before using for the first time.**

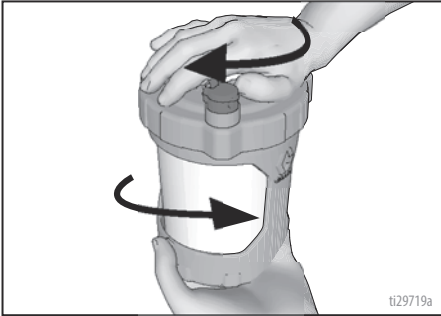
1. Install a FlexLiner into the Cup Support.



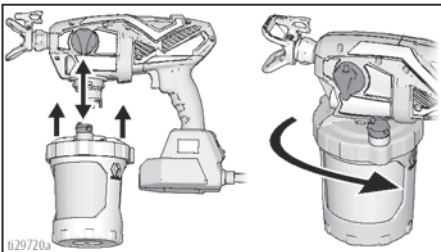
2. Fill FlexLiner with warm water.



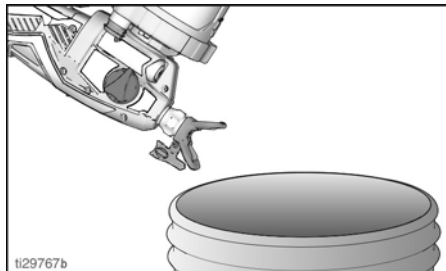
3. Firmly tighten the Cup Lid onto the Cup Support to achieve an airtight seal.



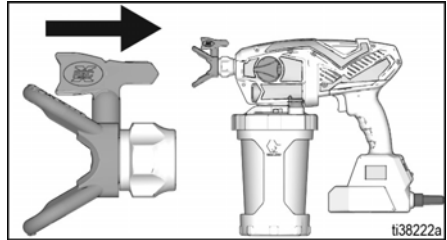
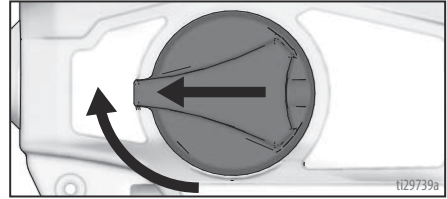
4. Install the cup onto sprayer as follows:
 - a. Align VacuValve Cap on the Cup Lid with the Prime Pump/Spray Knob.
 - b. Push cup assembly onto sprayer. Twist to lock.



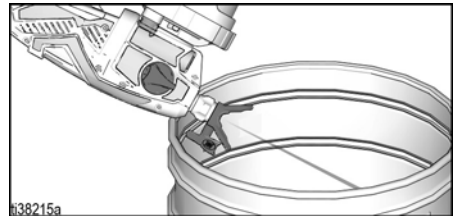
5. Plug sprayer into power source.
6. Make certain the Prime Pump/Spray Knob is downward in PRIME position. Set Speed Control to 10.
7. Turn the sprayer upside down and point the sprayer into a waste bucket. Pull the Sprayer Trigger for five seconds. Water will not spray but recirculate through the pump and back to the cup.



8. Turn Prime Pump/Spray Knob forward to SPRAY position. Rotate Spray Tip 180 degrees to UNCLOG position.



9. While holding the sprayer upside down, point the sprayer into a waste bucket. Pull the Sprayer Trigger for 30 seconds.



NOTICE

Do not run sprayer without fluid. Running sprayer dry will cause damage to the pump.

10. Pour any remaining water out of FlexLiner into waste bucket.
11. Sprayer is now flushed and ready for use. See **Starting a New Job**, page 10.

IMPORTANT! The motor has a built-in feature to protect itself from overuse. If the motor stops, the thermal switch has tripped.

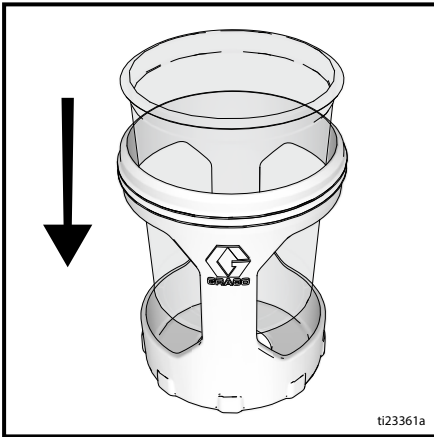
Do not return sprayer to store. The motor will operate normally after cooling for 20-30 minutes.

Start Up

Starting a New Job

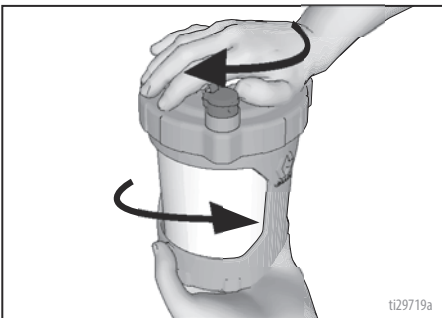
If you are using the sprayer for the very first time, see **Flushing a New Sprayer**, page 8.

1. Perform **Pressure Relief Procedure**, page 8.
2. Install a FlexLiner into the Cup Support.

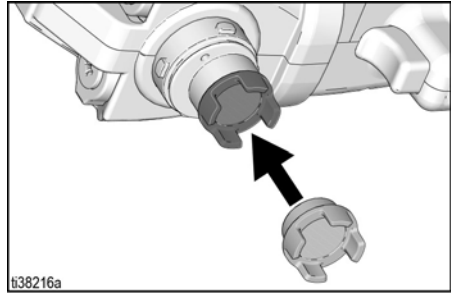


3. Fill FlexLiner with disinfectant.
4. Firmly tighten Cup Lid onto the Cup Support to ensure an airtight seal.

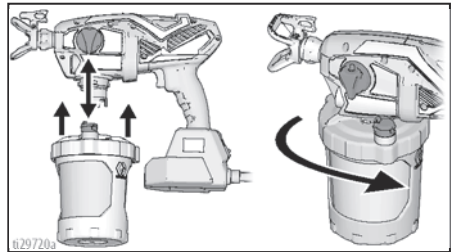
NOTE: Petroleum jelly on the inside of the top of the Cup Lid will help ensure an airtight seal.



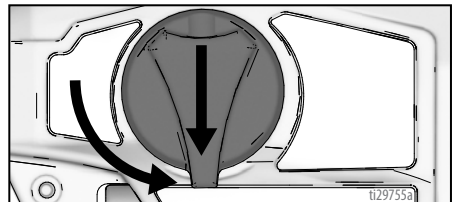
5. Verify Pump Filter is installed and clean.



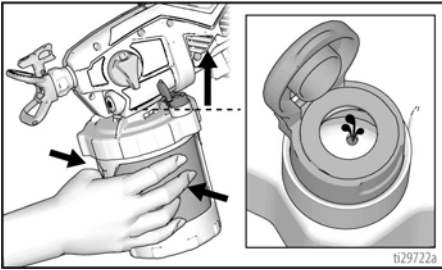
6. Install the cup onto sprayer as follows:
 - a. Align VacuValve Cap on the Cup Lid with the Prime Pump/Spray Knob.
 - b. Push cup assembly onto sprayer. Twist to lock.



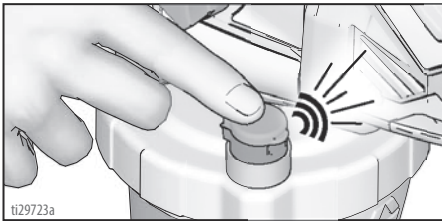
7. Evacuate air from the cup as follows:
 - a. Turn Prime Pump/Spray Knob downward to PRIME position.



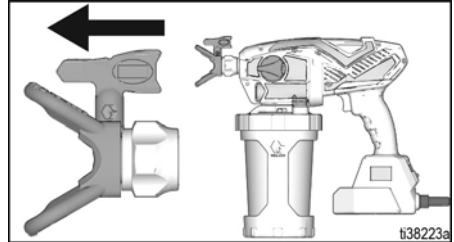
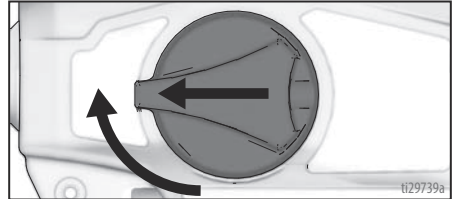
- b. Open the VacuValve Cap.
- c. Tilt the sprayer so the VacuValve Reservoir is the highest point of the cup assembly.
- d. Gently squeeze the FlexLiner until disinfectant enters the VacuValve Reservoir and all air bubbles are evacuated from the cup.



- e. While continuing to squeeze the FlexLiner, close the VacuValve Cap.



8. Fill the pump with disinfectant as follows:
 - a. Plug sprayer into a grounded power source.
 - b. Point the sprayer into a waste bucket and pull the Sprayer Trigger for 5 – 10 seconds. Disinfectant will not spray but recirculate through the pump and back to the cup.
 - c. **Repeat step 7 to evacuate additional air that was circulated out of the pump and into the cup during the previous step.**
9. Turn Prime Pump/Spray Knob forward to SPRAY position. Verify Spray Tip is forward in the SPRAY position.



10. You are now ready to spray.

How to Spray

How to Spray



Use only water-based, non-flammable disinfectants approved for spray application.

Do not spray or flush with ANY alcohol-based or other flammable liquids.

Keep spray area well-ventilated. Keep a good supply of fresh air moving through the area.

Choose Your Spray Tip



To avoid serious injury from skin injection, do not put your hand in front of the Spray Tip when installing or removing the Spray Tip and Spray Tip Guard.

Your sprayer comes with 3 Spray Tip sizes:

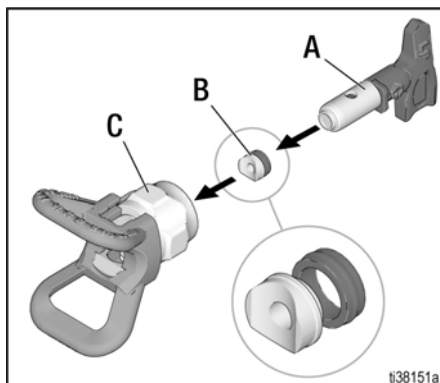
Fine	LP313
Medium	LP515
Coarse	LP619

Your sprayer comes from the factory with the Medium size Spray Tip installed. Select the appropriate Spray Tip size to provide the acceptable spray of disinfectant. Refer to disinfectant label for manufacturer's recommendations.

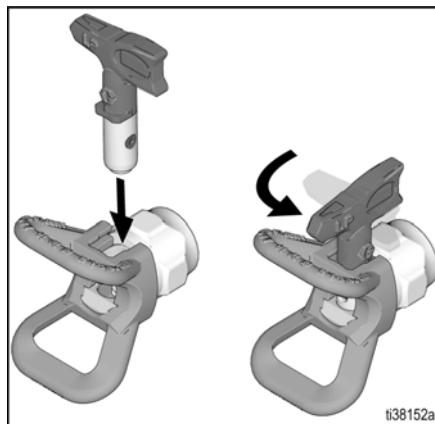
To prevent Spray Tip leaks, make certain Spray Tip and Spray Tip Guard are installed properly.

1. Perform **Pressure Relief Procedure**, page 8.

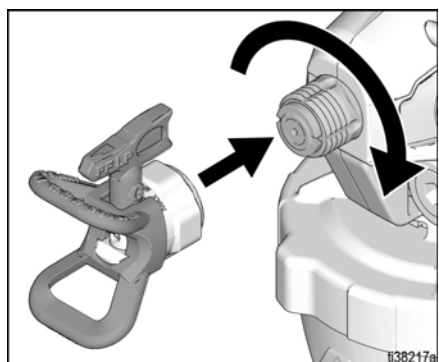
2. Use Spray Tip (A) to insert seal (B) into Spray Tip Guard (C).



3. Insert Spray Tip into Spray Tip Guard. Verify Spray Tip is forward in the SPRAY position.



4. Screw Spray Tip Guard assembly onto sprayer and hand tighten.

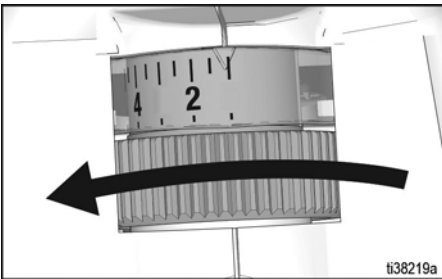


NOTE: Spray Tip will wear with use and need periodic replacement.

Starting Your Spray and Adjusting Pressure

Always refer to the disinfectant manufacturer's recommendations for an acceptable spray of disinfectant.

1. Point sprayer towards the surface to be sprayed.
2. Set the Speed Control to the lowest setting.
3. Pull and hold Sprayer Trigger.
4. Slowly increase pressure using the Speed Control. Set the minimum setting necessary to produce an acceptable spray of disinfectant. This will help reduce overspray.



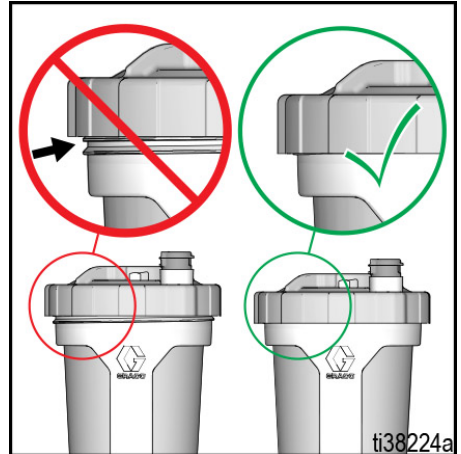
5. Adjust the sprayer's distance from the surface and your hand speed to achieve the desired surface coverage.

NOTE: For best results, and to evacuate all disinfectant from the FlexLiner when the disinfectant is nearly gone, gently squeeze the bottom of the FlexLiner to push the last of the disinfectant up to the Cup Lid.

If sprayer does not spray, try the steps below:

- Make certain there is only one FlexLiner in Cup Support. It is possible for two liners to nest tightly together and appear as only one.

- Make certain the Cup Lid is properly threaded to the Cup Support. If threads are visible below the Cup Lid when tight, then the cover is cross-threaded. Fully remove the Cup Lid and reinstall to the Cup Support so no threads are visible when tight.



- Repeat steps 7 – 10 on pages 10 – 11 to ensure all the air is evacuated from the FlexLiner.
- Make certain the Spray Tip is not clogged. See **Clear Tip Clogs**, page 14.
- If sprayer sprays disinfectant while holding sprayer upside down, there is air in the cup. See **Starting a New Job**, page 10, steps 7 – 10.
- Replace VacuValve Cap. Two new VacuValve caps came with your sprayer.
- If sprayer still does not spray, see **Troubleshooting**, page 21.

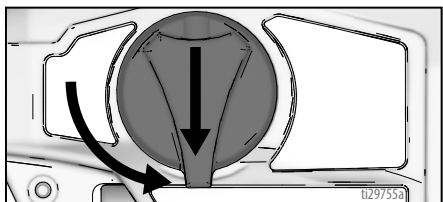
How to Spray

Clear Tip Clogs

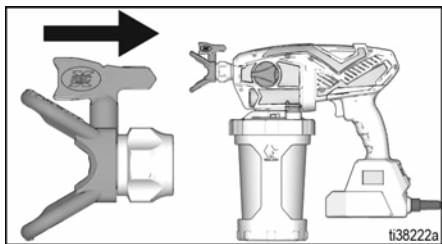


In the event debris clogs the Spray Tip, the sprayer is designed with a reversible Spray Tip that quickly and easily clears the particles without disassembling the sprayer.

1. To unclog Spray Tip, turn Prime Pump/Spray Knob downward to PRIME position.



2. Reverse Spray Tip to UNCLOG position.

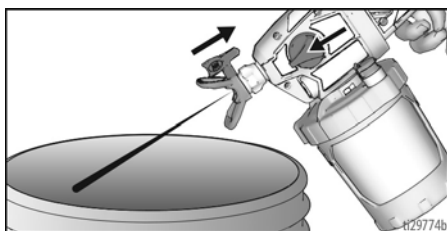


3. Set Speed Control to 10.



4. Point sprayer into waste bucket, turn Prime Pump/Spray Knob forward to SPRAY position. Pull Spray Trigger for 5 seconds to clear clog.

NOTE: If Spray Tip is still clogged, you may have to repeat steps 1 – 4, or replace with new Spray Tip assembly. See **Choose Your Spray Tip**, page 12.

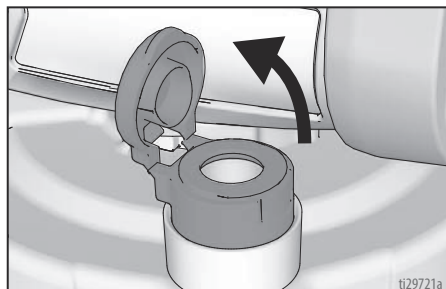


5. Turn Prime Pump/Spray Knob downward to PRIME position. Rotate Spray Tip back to SPRAY position. Turn Prime Pump/Spray Knob forward to SPRAY position, and resume spraying.

Refilling FlexLiner

If sprayer runs out of disinfectant, simply refill the FlexLiner as follows:

1. Perform **Pressure Relief Procedure**, page 8.
2. To allow disinfectant to drain from VacuValve Reservoir, open the VacuValve Cap.



3. Remove cup assembly from sprayer. Set sprayer on a rag to capture any disinfectant that may drip.
4. Separate Cup Lid from Cup Support.
5. Follow steps 3 – 10 in **Starting a New Job**, page 10.

Cleanup and Storage

Cleaning the sprayer with warm water is required after each use to remove any disinfectants and residues from the sprayer. Sufficient cleaning, followed by draining all water from the system will ensure a trouble free start up the next time the sprayer is used.



Use only water for cleaning.

Clean in a well-ventilated area. Keep a good supply of fresh air moving through the area.

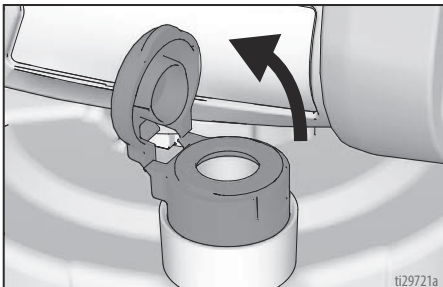
To avoid serious injury or damage to equipment, do not expose the sprayer electronics to water. Keep sprayer **at least 10 in. (25 cm)** above the rim of the container when cleaning.

NOTICE

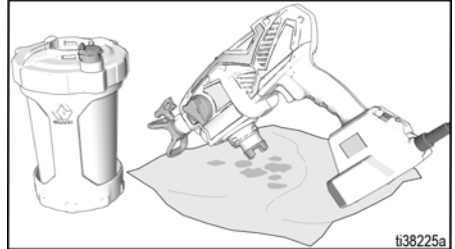
Disinfectant left in sprayer will damage the sprayer. To avoid damage, always completely flush with warm water after every use. See **Cleaning Sprayer**, page 15. Do not store sprayer with disinfectant in it.

Cleaning Sprayer

1. Perform **Pressure Relief Procedure**, page 8.
2. Open the VacuValve Cap to allow air into the FlexLiner.



3. Remove cup assembly from sprayer. Set sprayer on a rag to capture any disinfectant that may drip.



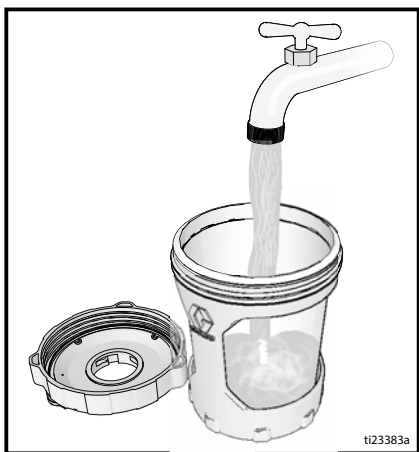
4. Separate Cup Lid from Cup Support.
5. Pour excess disinfectant into waste bucket. Hold the FlexLiner in place when pouring. Wipe excess disinfectant from Cup Lid.



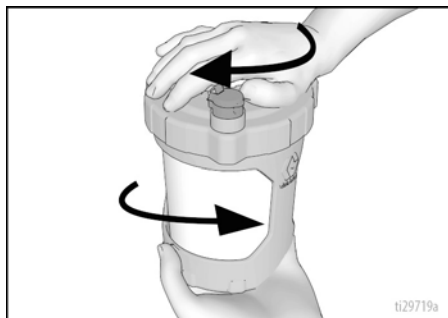
6. Install a new FlexLiner into the Cup Support.

Cleanup and Storage

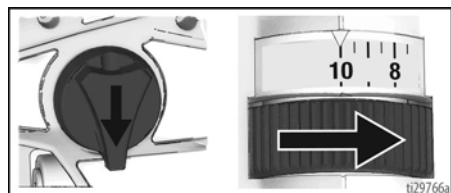
7. Fill FlexLiner with warm water.



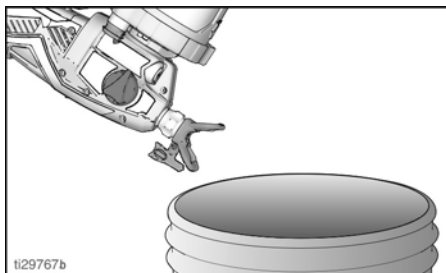
8. Firmly tighten the Cup Lid onto the Cup Support to achieve an airtight seal.



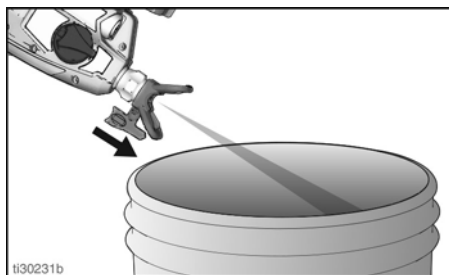
9. Make certain the Prime Pump/Spray Knob is downward in PRIME position. Set Speed Control to 10.



10. Turn the sprayer upside down and point the sprayer into a waste bucket. Pull the Sprayer Trigger for 10-30 seconds. Water will not spray but recirculate through the pump and back to the cup.

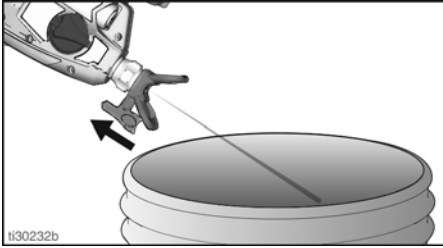


11. Turn Prime Pump/Spray Knob forward to SPRAY position.
12. While holding the sprayer upside down, point the sprayer into a waste bucket.
- a. With the Spray Tip in the SPRAY position, pull the Sprayer Trigger for 10 to 15 seconds. Release the Sprayer Trigger.



Cleanup and Storage

- b. Reverse the Spray Tip to UNCLOG position, pull the Sprayer Trigger for 30 to 60 seconds until sprayer is clean. Release the Sprayer Trigger.

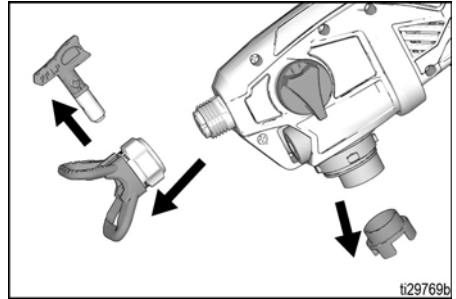


NOTICE

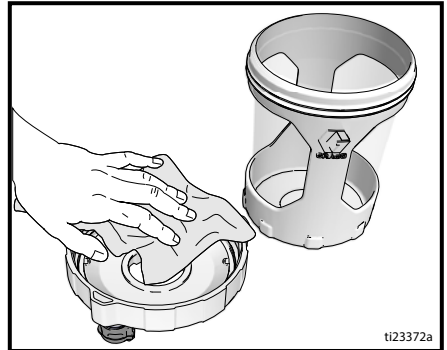
Do not run sprayer without fluid. Running sprayer dry will cause damage to the pump.

13. Do not store sprayer with water in pump. To remove all water prior to storage:
- Remove cup assembly from sprayer.
 - Turn Prime Pump/Spray Knob downward to PRIME position.
 - Pull Sprayer Trigger for 5 seconds
 - Disconnect power (unplug Power Cord).
14. Remove cup assembly from sprayer. Separate Cup Lid from Cup Support and pour unused water into waste bucket.
15. Dispose of the fluid in the waste bucket according to the instructions on the disinfectant container label and applicable regulations.

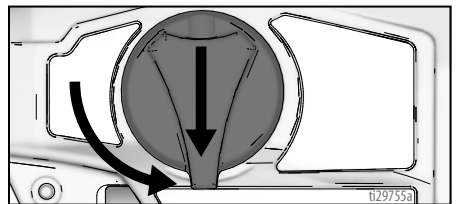
16. Remove Spray Tip, Spray Tip Guard, and Pump Filter from sprayer. Clean with warm water. A soft brush can be used if needed.



17. Use a soft cloth to clean the Cup Support, Cup Lid and sprayer.



- Do not allow water to freeze in sprayer.
- Do not store sprayer under pressure. Confirm the Prime Pump/Spray Knob is downward in PRIME position.



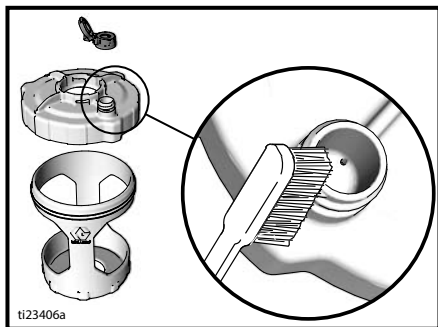
- Store sprayer in an upright position only.
- Store sprayer indoors in a cool, dry place.
- Store Spray Tip, Spray Tip Guard, and Pump Filter with sprayer so they are available for the next job.

Cleanup and Storage

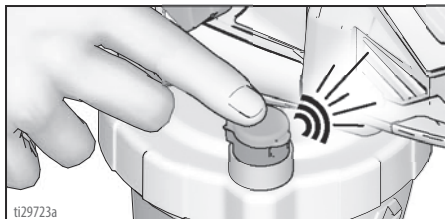
Cleaning VacuValve

The VacuValve is an important part of your sprayer and it should be cleaned after every use.

1. Remove VacuValve Cap from Cup Lid and clean it.
2. Clean VacuValve Reservoir in lid.
3. Clean VacuValve Air Hole. If VacuValve Air Hole becomes clogged, use a paper clip to clean the hole.



4. Install VacuValve Cap back onto Cup Lid.
5. Make certain the VacuValve Cap is closed.



Maintenance

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

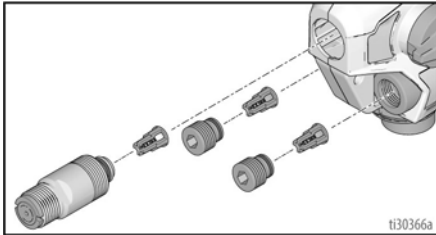


Activity	Interval
Inspect pump filter.	Daily or each time you spray
Inspect enclosure vents for blockage.	Daily or each time you spray
Inspect pump inlet holes located under pump filter for blockage.	Each time the sprayer is cleaned

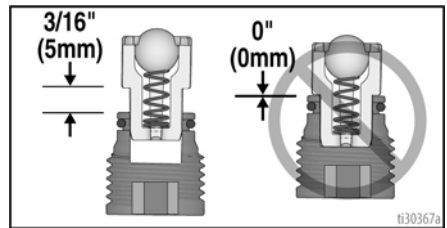
Cleaning Outlet Valves

Dirt and debris in the outlet valve assemblies may affect sprayer performance and require cleaning.

- To clean the three outlet valves, remove two pump plugs and front valve. Remove pump plugs with 8mm or 5/16" Allen wrench.



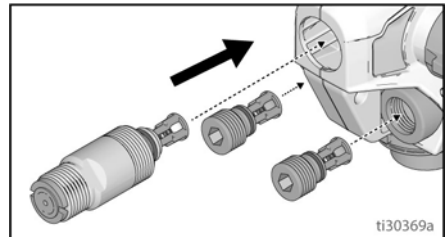
- Clean outlet valve assemblies with warm water.
- Check ball should move freely against the spring in the retainer.
- If outlet valve assembly was removed from the valve plug, assemble as shown. Leave a space between the end of the plug or front valve and shoulder on the outlet valve assembly.



NOTICE

Do not push outlet valves all the way into the valve plugs or front valve. If outlet valves are pushed all the way into the valve plugs or front valve the sprayer will spray with reduced performance.

- Make certain o-rings are on the valve plugs and front valve.
- Install two pump plugs and front valve. Install pump plugs with 8mm or 5/16" Allen wrench. Torque outlet valve to 55-65 in-lb (6.2 - 7.3 N•m) and pump plugs to 23-25 in-lb (2.6 - 2.8 N•m).




Recycling and Disposal

End of Product Life

At the end of the product's useful life, dismantle and recycle it in a responsible manner.

- Perform the **Pressure Relief Procedure**, page 8.
- Drain and dispose of fluids according to applicable regulations. Refer to the material manufacturer's Safety Data Sheet.

- Remove motors, batteries, circuit boards, LCDs (liquid crystal displays), and other electronic components. Recycle according to applicable regulations.
- Do not dispose of electronic components with household or commercial waste.

- Deliver remaining product to a recycling facility.

Troubleshooting



Disconnect power and relieve pressure before disassembling or repairing. See **Pressure Relief Procedure**, page 8.



Sprayer Diagnostics

Problem	Cause	Solution
Sprayer makes no sound when Sprayer Trigger is pulled	Diagnostic Light does not blink when the spray is first plugged in. Indicates no power to the sprayer.	Verify power to the sprayer. Replace Enclosure/ SmartControl assembly. Replace SmartControl with enclosure kit.
	Diagnostic Light blinks once when the sprayer is first plugged in. Indicates power to the sprayer.	Motor has overheated, wait 20–30 minutes for the motor to cool. Motor brushes are worn, replace motor.
	Diagnostic Light blinks four times when the Sprayer Trigger is pulled. Indicates a locked rotor condition.	Replace pump assembly and motor.

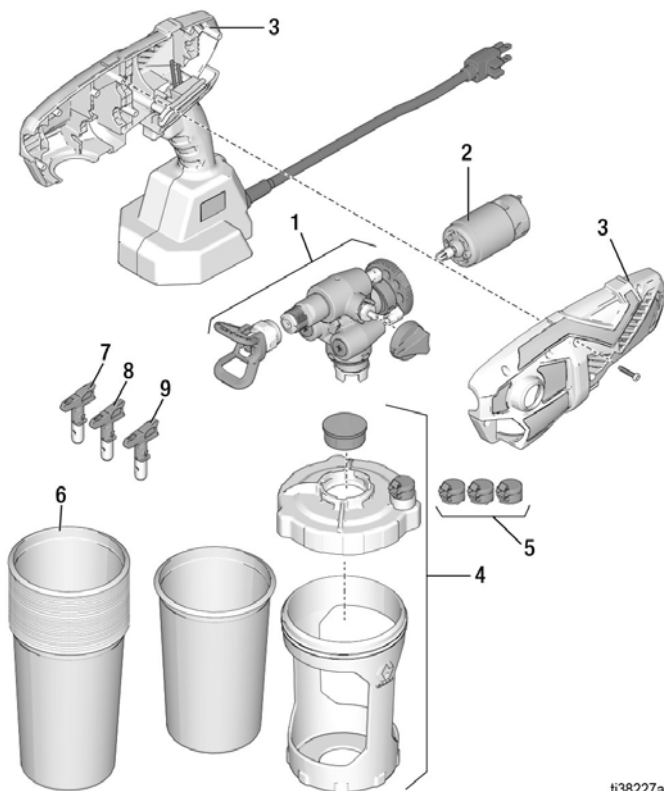
Troubleshooting

Problem	Cause	Solution
Sprayer makes sound but no disinfectant is sprayed when Sprayer Trigger is pulled	Sprayer is not primed.	Prime the pump. See Pressure Relief Procedure , page 8.
		Make certain there is only one FlexLiner in the Cup Support.
		Make certain the Cup Lid is properly threaded to the Cup Support. If threads are visible below the Cup Lid when tight, fully remove and reinstall to the Cup Support so no threads are visible when tight.
		Make certain the Cup Lid is tightened to Cup Support. For proper sprayer operation lid must seal tightly with the cup.
		Make certain the cup assembly is properly locked on the sprayer.
		Make certain all the air is out of the FlexLiner and the VacuValve Cap is properly closed.
		Clean VacuValve Reservoir and VacuValve Air Hole. See Cleaning VacuValve , page 18.
		Replace VacuValve Cap.
		Clean sprayer. See Cleaning Sprayer , page 15.
		Prime Pump/Spray Knob is downward in PRIME position.
Spray Tip is not in SPRAY position.	Turn Spray Tip to SPRAY position.	
Pump Filter plugged.	See step 16 on page 17.	
Speed Control is set too low.	Increase speed until unit sprays.	
No or low disinfectant in FlexLiner.	Refill FlexLiner with disinfectant and prime the pump. See Refilling FlexLiner , page 14.	
Pump has reached the end of its life.	Replace pump assembly.	
Diagnostic Light blinks four times when the Sprayer Trigger is pulled. Indicates a locked rotor condition.	Replace pump assembly and motor.	
Sprayer sprays with poor coverage	Spray Tip is not in correct position	Rotate Spray Tip to SPRAY position.
	Spray Tip is worn or damaged	Replace Spray Tip. See Choose Your Spray Tip , page 12.
	Pump has reached the end of its life.	Replace pump assembly.
Sprayer runs intermittently or very slow	Disinfectant has gotten into the sprayer.	Allow the sprayer to dry out.
		Replace motor and Enclosure/SmartControl assembly.

Problem	Cause	Solution
<p>Disinfectant leaks out of the cup threads.</p>	<p>Cup not properly seated.</p>	<p>Make certain that there is only one FlexLiner in Cup Support.</p>
		<p>Make certain the Cup Lid is properly threaded to the Cup Support. If threads are visible below the Cup Support when tight, fully remove the Cup Lid and reinstall to the Cup Support so no threads are visible when tight.</p>
		<p>Make certain the Cup Lid is tightened to Cup Support. For proper sprayer operation lid must seal tightly with the cup.</p>
		<p>Avoid flexing or pushing on the Cup Support when you evacuate the air out of the FlexLiner.</p>
		<p>Avoid pulling down on the FlexLiner when you evacuate the air out of the FlexLiner.</p>
		<p>Make certain there is no damage to the FlexLiner lip or the Cup Lid gasket.</p>
		<p>Make certain the FlexLiner lip and Cup Lid gasket are free of debris.</p>
		<p>Replace FlexLiner.</p>

Parts

25R790 Corded Airless Handheld



ti38227a

Parts List - 25R790 Corded Airless Handheld


Ref. Part	Description	Qty.	Ref. Part	Description	Qty.
1	19Y962	KIT, pump assembly	1	25R872*	SEALS, polymer (5-pack) (not shown)
2	19Y963	KIT, motor	1	▲ 222385	CARD, medical alert EN, ES, FR (not shown)
3	19Y964	KIT, enclosure, SmartControl, HP 20 AC	1		1
4	17P552	KIT, cup assembly, 42 oz.	1	▲	Replacement safety labels, tags, and cards are available at no cost.
5	17P712	CAP (3-pack)	1	†	25T283 Adapter is required to connect 25T282 Extension onto SaniSpray HP 20 Airless Handheld.
6	17P549	FLEXLINER, 42 oz. (25-pack)	1	*	Two extra polymer spray tip seals are included with the sprayer. For disinfectant applications, use polymer seals instead of the metal seals that are included with replacement spray tips.
7	LP313	TIP, LP313	1		
8	LP515	TIP, LP515	1		
9	LP619	TIP, LP619	1		
	25T282	KIT, extension, 15 inch (not shown)	1		
	25T283†	KIT, adapter, extension (not shown)	1		
▲	19Y966	KIT, label, warning, HP 20 AC (not shown)	1		

Technical Specifications

SaniSpray HP 20 Corded Airless Handheld		
	U.S.	Metric
Sprayer		
Max Working Pressure	1000 psi	6.9 MPa, 69 bar
Maximum Amperage	3.6 Amps	3.6 Amps
Weight	4.6 lb	2.1 kg
Dimensions		
Length	14.0 in.	36.1 cm
Width	5 in.	12.7 cm
Height	11.8 in.	30.0 cm
Storage Temperature Range ♦❖	32° to 113° F	0° to 45° C
Operating Temperature Range	40° to 90° F	4° to 32° C
Storage Humidity Range	0% to 95% relative humidity, non-condensing	
Noise		
Sound Pressure Level	85.1 dBa	
Sound Power Level †	90.0 dBa, Uncertainty K = 0.5 dBa	
Vibration level (measured in accordance with EN50580:2012)	Vibration total value $a_h = 21.5 \text{ ft/s}^2$ Uncertainty = 0.3 ft/s^2	Vibration total value $a_h = 6.5 \text{ m/s}^2$ Uncertainty = 0.1 m/s^2
Power Cord	18 AWG, 3-wire	1.0 mm ² , 3-wire
Length	18 in.	45.7 cm
Electrical Power Requirement	120 Vac, 60 Hz, 15A, 1 Ø	
Maximum tip orifice	0.019 in.	0.48 mm
Notes		
♦ Pump damage will occur if disinfectant or water freezes in pump.		
❖ Damage to plastic parts may result if impact occurs in low temperature conditions.		
† All readings were taken within the priming mode at the assumed operator position. Sound power levels were tested to ISO 3741 at 3.3 feet (1m).		

California Proposition 65

CALIFORNIA RESIDENTS

 **WARNING:** Cancer and reproductive harm –
www.P65warnings.ca.gov.

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Please call 1-844-241-9499 regarding any potential defect in equipment under warranty. If the claimed defect is verified, Graco will either, at its discretion, send repair parts for owner installation or replace the product, free of charge. Warranty claims and/or service for this product are not administered by Graco's distributors or service centers for Graco paint equipment.

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