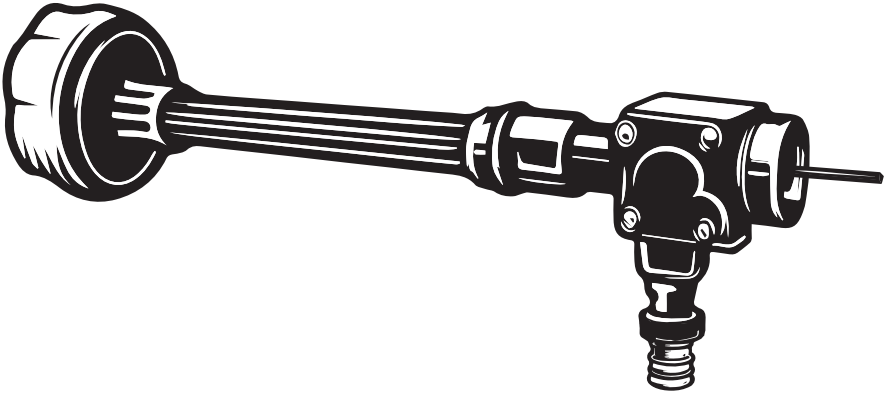


ULTRA SPRAY™

Drill Operated Spray Applicator

OPERATORS USE AND CARE GUIDE



The Ultimate Portable Sprayer

- Car Washing
- General Yard Clean Up
- Shower and Tub Spray Down
- Applying Garden Bug Repellent and Plant Fertilizers
- Spot Cleaning

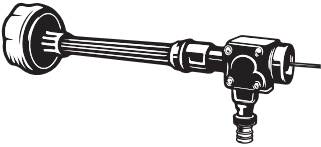
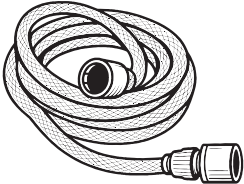


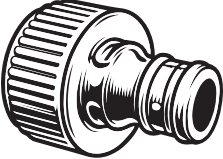

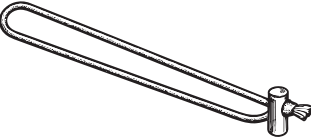
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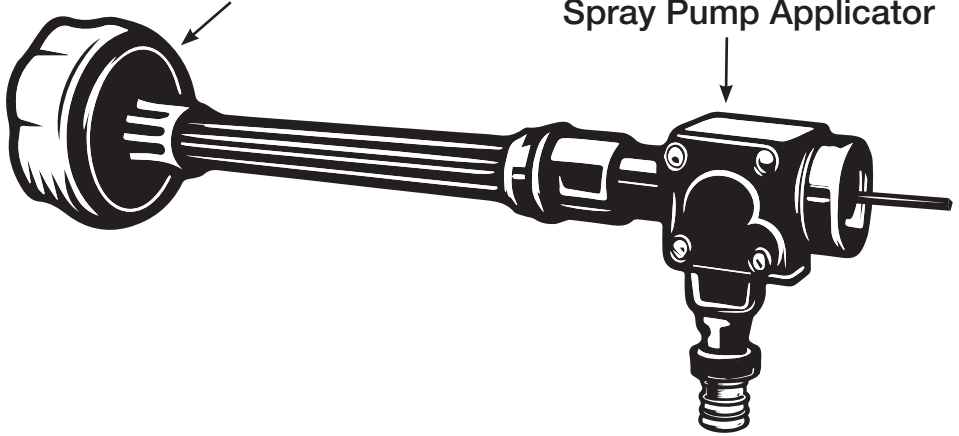
PRODUCT SPECIFICATIONS

ITEM	
Minimum and maximum drill speed for cleaning	1500-3000 RPM
Maximum pressure output 3000 RPM	300 PSI
Flow rate depending on drill speed and spray pattern choice	1-3 GPM
Siphon and pressure hose 16' length	Rated 200 PSI
Hose compression	3/8 x Disconnect
Coke, Pepsi, or Schweppes 32oz bottle adapter	Fits 28mm pet

PACKAGE CONTENTS

PART		DESCRIPTION	QTY
A		Drill operated spray applicator pump and 6 spray position wand	1
B		16' siphon and pressure hose assembly with 2 female connectors	1
C		Quick female x male disconnect with shut off valve	1
D		Quick-connect bucket strainer mesh style with removable top for ease of cleaning filter and inserting lead weights to hold filter below water level	1
E		Quick-connect garden tap or hose connector	1
F		Pump input adapter for spot application using a 32oz Coke, Pepsi or Schweppes fluid filled bottle	1
G		Bungee with cord clip to secure drill to input connection for hands-off operation	1

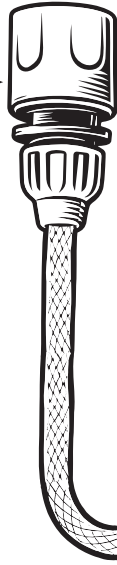
6-in-1 Nozzle



Quick Connect

Shut Off Valve
(shown open)

Quick Connect



Spray Applicator Attachments in Usage Order

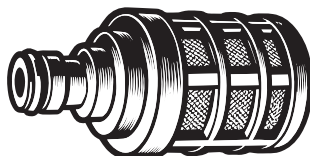
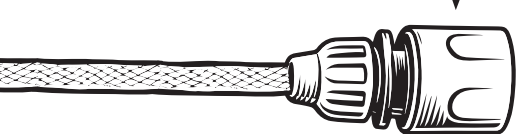
Drill Attachment
*drill not included



Quick Connect
for Spot Spray
Applications

32oz or 64oz Coke, Pepsi or
Schweppes bottle compatible
*bottle not included

Quick Connect








Bucket
Strainer



Tap or
Garden Hose
Connector

SAFETY INFORMATION

SYMBOL	SIGNAL	MEANING
	WARNING	Indicates a hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION	Indicates a hazardous situation, which, if not avoided, may result in minor or moderate injury.
	NOTE	Indicates information considered important not related to a potential injury.
	Read Operator Manual	To reduce risk of personal injury or equipment damage, the user must read this entire Operator Manual.
	Water Exposure Hazard	To reduce the risk of fire and burns, if using a cordless drill or impact driver, do not allow the battery to become wet. Use care to keep the battery away from water.
	Slip and Fall Hazard	Surfaces around the spray applicator become wet and slippery.

Please read and understand this entire Operator Manual before attempting to operate the product, as well as the operator manual of your drill or impact driver. Only use the spray applicator in accordance with these instructions, for appropriate applications. Use of the spray applicator for purposes other than those intended could result in a hazardous situation.

 **WARNING: FIRE / EXPLOSION HAZARD**

- Never spray any flammable liquids. Sparks from your drill or impact driver could ignite flammable liquids and their vapors which can cause death or serious injury.
- Do not use in a flammable and/or explosive environment. Your drill or impact driver can create sparks which can ignite flammable substances.
- Never mix or combine chemicals.
- Always keep chemicals far away from sparks and flames.
- Failure to follow these warnings could result in death or serious injury and/or property damage.



WARNING: RISK OF ELECTRIC SHOCK

- If using a corded drill, connect your drill to a properly grounded 3-prong electrical outlet. For maximum safety, the drill should be connected to an outlet equipped with a ground fault interrupter device. Keep hands, feet and drill motor dry. Using or touching a wet drill motor could result in fatal electrical shock.
- Whether using a corded or cordless drill or impact driver, it is important to ensure the drill and battery (if equipped) doesn't become wet. Keep your drill as far as possible from all fluids.
- Risk of electric shock, personal injury, or death. Never touch or handle a drill driven spray applicator with wet hands or when standing on a wet or damp surface, or in water.
- If using a corded drill, only operate with a double insulated drill.
- Do not use the product near electric power lines, receptacle outlets or near any electrical devices.
- Follow all safety precautions recommended by the manufacturer of your drill or impact driver. Read and understand the operator manual of any tool used with the spray applicator.



WARNING: RISK OF CHEMICAL EXPOSURE

- Do not use flammable or alcohol-based chemicals, acids, alkalis, bleaches, solvents, or industrial/commercial grade chemicals with the spray applicator. Only use non-flammable, non-corrosive consumer grade water-based chemicals diluted to manufacturer's recommendations.
- Chemicals and chemical fumes can be hazardous and can cause serious injury or death if ingested, inhaled or if they come into contact with eyes or on skin.
- Read all instructions, labels and Safety Data Sheets (SDS) of any chemicals used with the spray applicator. Closely follow all instructions for use, disposal and storage. Many types of chemicals are dangerous and should not be used with the spray applicator.
- Dilute chemicals based on chemical instructions. Do not use chemicals at full strength without proper dilution.
- Always wear ANSI Z87.1 compliant eye protection, breathing protection such as face masks designed to filter out liquid spray, glasses, and other protective equipment any time you are mixing, filling, spraying, cleaning or otherwise handling chemicals.



WARNING: RISK OF CHEMICAL EXPOSURE

- Ensure there are no bystanders within 50 feet of the spray applicator when spraying chemicals. Never spray chemicals at or near any person or animal. Inspect hoses and fittings for leaks, as leaks can spray chemicals in unintended directions.
- Before use insure all nearby doors and windows are closed, and clear the area of any object that could be contaminated.
- Avoid spraying in windy conditions to prevent chemicals from being blown in unintended directions.
- For outdoor use only.
- Spray from products used with the spray applicator could contain chemicals know to the State of California to cause cancer, birth defects or other reproductive harm.
- Thoroughly rinse the spray applicator and all accessories with fresh water after each use to ensure there are no remaining chemicals or residue remaining.
- If the spray applicator is used with any insecticides or herbicides, do not use it with disinfectants. Any products used with insecticides or herbicides are regulated under EPA Federal Insecticide, Fungicide, and Rodenticide Act regulations ad are considered contaminated. Follow all CDC and EPA guidelines for cleaning.



WARNING: RISK OF INJURY FROM PRESSURIZED LIQUID

- Keep all body parts out of the spray pattern.
- Ensure there are no bystanders nearby. Never point the sprayer at any part of your body, or at any person or animal. Inspect hoses and fitting for leaks, as leaks can result in spray in unintended directions.
- Always hold the spray applicator securely with one hand while holding your drill or impact driver with your other hand. Be prepared for the spray applicator to kick back in your hand when the trigger is first pulled.



WARNING: RISK OF INJURY FROM ROTATING SPRAY APPLICATOR

- Before pulling the trigger of your drill or impact driver, ensure the spray applicator is firmly secured in your hand or securely mounted to the siphon hose pressure connector using the included loop and cord clip. Start the drill slowly and ensure the spray applicator is held securely in place any time the shaft is rotating.
- Keep your hand on the drill or impact driver at all times during use. Do not allow your drill or impact driver to operate unattended.



WARNING

- Wear safety glasses at all times when using the spray applicator.
- Do not spray salt water, powders, abrasive chemicals, or any liquid containing debris or solids.
- Disconnect your drill or impact driver before making any adjustments to the spray applicator.
- Always check hoses, connectors and rubber washers before using the spray applicator. Replace if damaged or worn.
- Do not operate the spray applicator if any parts are damaged or missing.
- Always check all connections for tightness before using the spray applicator.
- Do not use any accessories or attachments not recommended by the manufacturer.
- Never spray hot or boiling liquids Maximum continuous operating water temperature must not exceed 104°F (40°C).
- Ensure handles and any grip areas on the spray applicator and your drill or impact driver are kept dry, clean and free from any material that could cause the handles to become slippery which could result in a loss of control.
- Never allow gasoline, brake fluids, petroleum-based products, penetrating oils, or any chemical that could degrade plastic to contact plastic parts. Damage to plastic parts could result in serious injury.

NOTE

- Do not allow the spray applicator or any system component to freeze.
- Any air leaks in hoses can prevent the spray applicator from operating properly.
- Do not run the spray applicator without water for any longer than required to siphon water from the fresh water source (if using the siphon hose assembly) to the spray applicator.

APPLICATIONS

The spray applicator is designed to provide general cleaning to outdoor surfaces, vehicles, tub and shower wash down and can also be used to apply water soluble, non-corrosive, or non-flammable liquids, such as soaps, plant fertilizers and bug sprays. Follow all recommended manufacturer dilution mixing recommendations. Never use full strength.

3 Ways to Use

- 1. Bucket Siphon**
- 2. Garden Hose or Tap**
- 3. 32oz Soda Bottle**

FOR USE WITH BUCKET OR REMOTE WATER SOURCE

1. Insure the filter (Part D) is clean before submerging into your water source.
2. Connect to 16' siphon hose (Part B) and quick-connect to hose fitting.
3. Unwrap hose and straighten. Place filter in water source. Make sure filter is completely submerged. Unscrew filter and place a rock in filter to hold it under water.
4. Insert the quick disconnect at the other end of hose to the water inlet at spray applicator. Firmly push and turn until collar clicks. Pull on fitting to make sure the quick-connect is secure.
5. Insert drive shaft for spray applicator to a drill of choice. Minimum 1500 RPM, maximum 3000 RPM. Make sure drill is in a forward rotational operation and set at maximum speed.
6. Select the desired spray pattern by rotating nozzle clockwise until it clicks in the desired setting. Insert spray wand into spray applicator so that arrow indicator is upright position. Once inserted turn spray wand clockwise to stop and pull to lock in groove. Refer to page 12 for spray pattern usage.
7. Securely hold the spray applicator connection in one hand and the drill in the other. Then fully depress the drill trigger to achieve the highest RPM speed. It can take 30 seconds for water to siphon to the spray applicator pump.
8. When changing spray patterns during use, release the drill trigger before rotating the spray nozzle dial to avoid water back flow.
9. After use, remove filter from water source. Depress drill trigger and evacuate all water in hose and pump until water is no longer coming out. By hand, disconnect hose by pulling down on quick disconnect at spray applicator. Make sure all water is emptied from hose to prevent icing when in storage. Do not store hose or components outside.

USE WITH GARDEN HOSE OR TAP WATER

1. Connect quick-connect (Part C) with shut off valve to spray applicator water supply connector. Make sure shut off handle is in the “off” position (horizontal). “On” is vertical. Refer to page 4.
2. Connect one end of 16’ hose to the male connect of shut off valve and the other end to (Part E) quick-connect garden hose or tap connect.
3. Make sure the rubber washer is in place on the garden hose or tap connector.
4. Remove (Part E) from quick-connect for ease of threading to garden hose or tap. Make sure (Part E) is tightly secured. Insert male of (Part E) to hose quick-connect until you hear a click.
5. Turn on water pressure insuring all connections are leak proof and hoses are not kinked.
6. Choose the desired spray pattern.
7. Connect your drill to 1/4” pump drive shaft
8. Open the shut off valve to spray applicator
9. Fully depress drill trigger for max RPM and start cleaning.

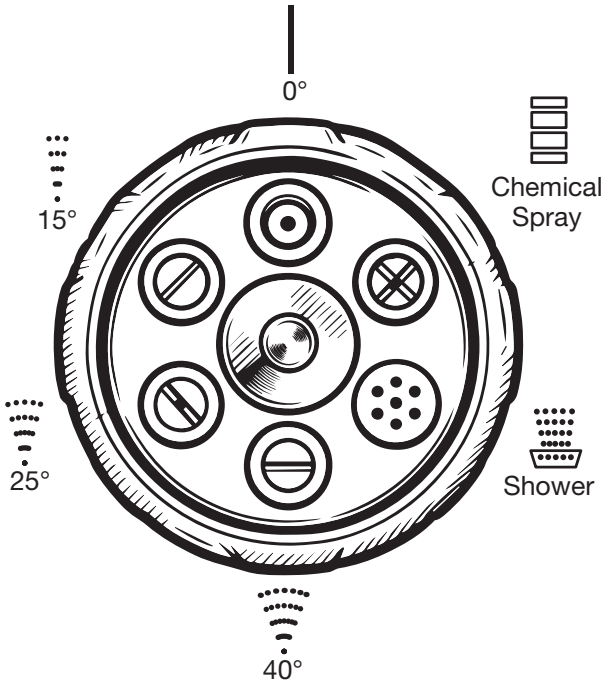
For safety use and storage refer to comments
7-9 on page 10 for use with bucket to remote
water source.

SPOT OR REMOTE CLEANING WITH 32oz-64oz SODA BOTTLE

1. Remove 16’ hose connect and shut off valve (Part C) from spray applicator. Connect soda bottle adapter (Part F) to male connection at spray applicator and secure.
2. Attache drill to pump drive shaft.
3. Set spray pattern desired.
4. Fill 32oz soda bottle and screw bottle neck to female (Part F). Coke, Pepsi, or Schweppes work best.
5. Depress trigger of drill for small spot applications.

SPRAY PATTERNS

Always before use, examine all accessories for damage, deterioration, clogged nozzles or filter, and missing parts.



Setting	Recommended Use
0°	Heavy-duty cleaning
15°	Medium-duty cleaning
25°	Light-duty cleaning
40°	Delicate surfaces
Shower	Rinsing
Chemical Spray	Chemical dispersion (see page 13)

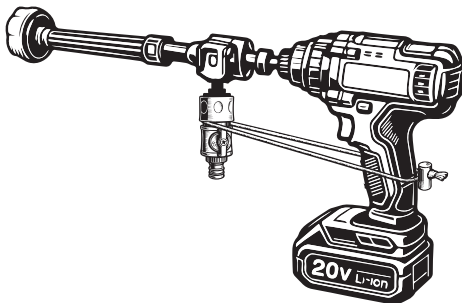
CARE AND MAINTENANCE FOR EXTENDED LIFE

- Expel water from spray applicator and hose to prevent freezing
- If using chemicals, run fresh water through unit and siphon hose to remove chemical residue.
- Always remove spray wand from unit and tip spray pump upside down to remove any residual water before storing.
- Store unit and accessories in dry area to prevent corrosion.

CHEMICAL SPRAY MODE

1. The spray applicator can be used to spray non-flammable, non-corrosive liquids such as soaps, cleaners, pest control and plant fertilizers. All such products that fall in this category shall be diluted to the manufacturers recommendations before using in spray applicator. Never use full strength.
2. Example of non-corrosive
Soap: Simple Green, Dawn
Bug Spray: Insecticidal Soaps and Oils, Neem Oil
Fertilizers: Fish Emulsion, Seaweed Extract, Organic Fertilizers
3. When using a bucket or 32oz bottle as source - after use with chemicals use fresh water to flush out hoses and spray applicator to remove any residual before storing.
4. Refer to pages 6-9 for all safety and chemical warnings.

ONE HANDED USE



1. Using the bungee supplied (Part G), hook around lower end of drill handle and around center of hose connection (Part C). Stretch to tighten through spring cord lock.
2. Some vibration and movement is still possible.
3. Not recommended when applying chemicals.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Water is not spraying from the nozzle	Water has not reached top of the siphon hose	Pull the trigger until water from the siphon hose reaches the spray applicator. This can take up to 30 seconds.
	Siphon hose filter is not fully submerged in the water source	Fully submerge the siphon hose filter. Unscrew filter cap and add weight to submerge filter.
	Quick-connector is not fully latched to the water inlet.	Firmly insert the water inlet into the quick-connector collar until it clicks. Rotating the quick-connector during insertion can make it easier to attach.
	Hose is crimped or kinked	Straighten the hose.
	Drill chuck or impact driver collet is loose	Tighten your drill chuck / secure your impact driver collet to the spray applicator.
	Filter is clogged or blocked	Clean filter.
	6-in-1 nozzle is in between settings	Rotate the nozzle until it clicks into place in the desired spray pattern setting.
Water pressure is low	Drill or impact driver in low speed	Switch to the highest speed setting with the trigger fully depressed.
	Battery charge is low	Use a fully charged battery.
	Drill or impact driver maximum speed is too low	Use a higher speed drill or impact driver.
	Hose is crimped or kinked	Straighten the hose.
	Filter is clogged or blocked	Clean filter.
Quick-connector is difficult to attach	Quick-connector parts are still	Rotate the quick-connector collar during insertion to make it easier to attach and click into place.
	Quick-connector spring is stuck	Pull down on quick-connector collar during insertion.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	SOLUTION
Siphon hose filter will not stay in the water	Hose is too stiff	Soak the hose in warm water to relax it.
	Movement during use	Use hook and loop strap to secure the hose to the handle of the container. Unscrew filter top and add a weight to hold filter down.
Water is leaking from the nozzle dial	Nozzle dial is loose	Tighten the bolt in the front center of the nozzle dial with a hex wrench.
	6-in-1 nozzle is in between settings.	Rotate the nozzle until it clicks into place in the desired spray pattern setting.
Water is leaking from the water inlet	Quick-connector is not securely attached	Firmly insert the spray applicator water inlet into the quick-connector collar until it clicks into place Rotate during insertion to make it easier to attach.
	Water inlet has become loose	Rotate water inlet counterclockwise to lock it back into place.
Water is leaking from the garden hose connector	Hose is not tightly secured	Tighten the garden hose connector.
	Rubber washer is missing	Replace the rubber washer in the garden hose connector.
	Garden hose connector's internal latches are damaged.	Replace the garden hose connector.

CUSTOMER SUPPORT
support@ultrasprayer.com



ULTRA SPRAY™

Drill Operated
Spray Applicator

CUSTOMER SUPPORT
support@ultrasprayer.com