



AIR BOOSTER

601

ACID ONLY

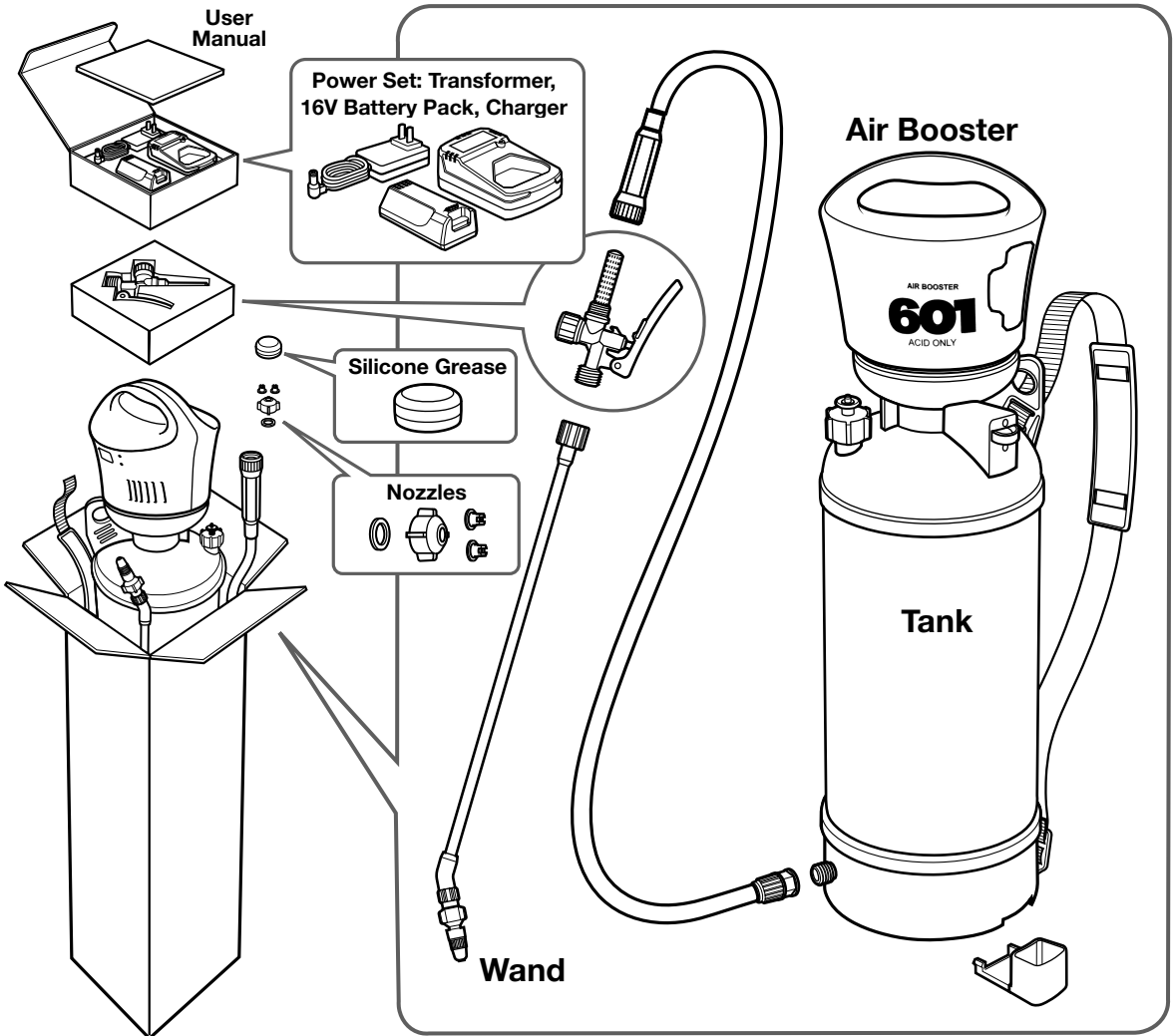
Note: not for spraying vinegar

Instruction Manual

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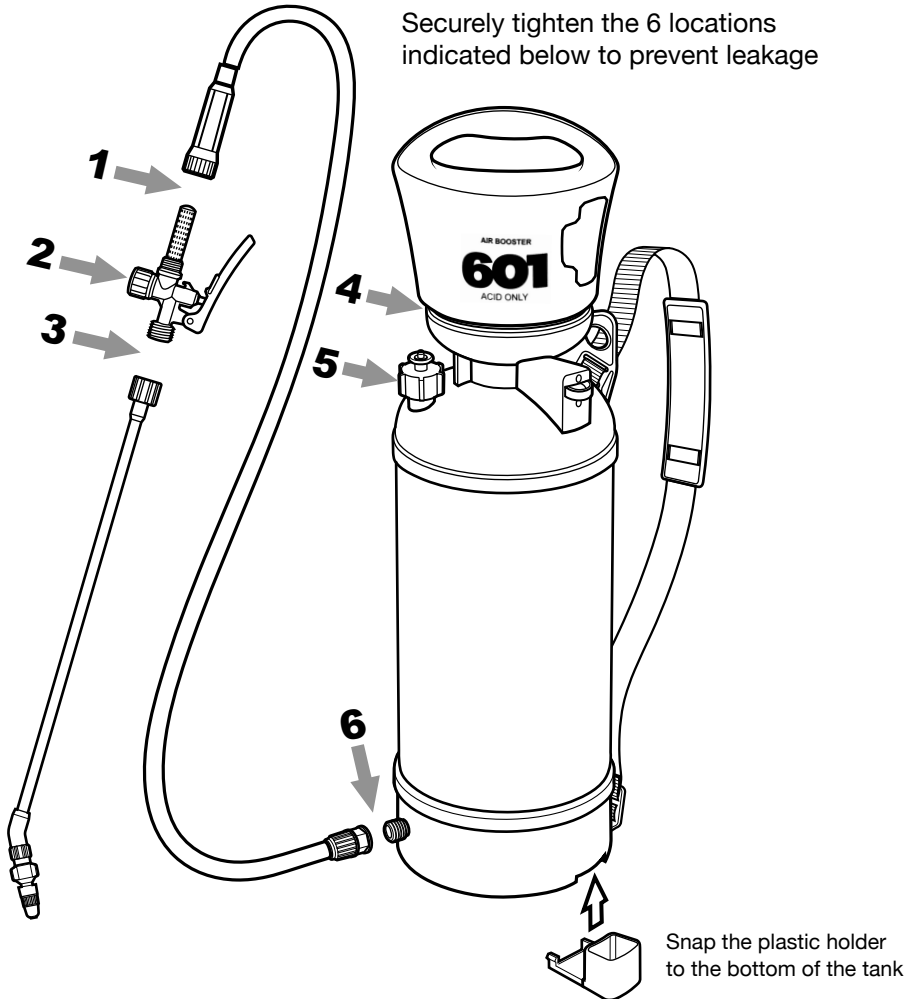
UNPACKING



UNPACKING

CONT'D

Securely tighten the 6 locations indicated below to prevent leakage



SPECIFICATIONS

| | |
|---|---|
| Target Market | Concrete Industry |
| Engineered to Spray | Acid only |
| Caution | Air Booster 601 is not for spraying vinegar |
| Power | 12V Lithium Battery |
| Number of Tanks of Liquid Sprayed per Charge | Up to 16 tanks (Mist Spraying @16PSI) |
| Capacity - US Gallons (Litres) | 2 (7.6) |
| Dry Weight - lbs (kg) | 7.5 (3.41) |
| Seals & O-rings | Premium Nitrile Seal |
| Spray Gun | SprayersPlus™ with Lock Pin & Filter |
| Wand | 20" PVC |
| Hose | 51" EPDM |
| Pressure Range - PSI | 16 - 32 |
| Nozzles | |
| Standard Nozzle (plastic) | Adjustable Stream / Mist Nozzle |
| Fan Nozzle A (plastic) | 90° tip |
| Fan Nozzle B (plastic) | 110° tip |
| Shoulder Strap | Adjustable Length |
| Mouth Opening - inch | 5.24" QuickFill |
| Pump Type | Powered Compression Pump |
| Warranty | 1 Year |

IMPORTANT PRODUCT NOTE

SprayersPlus produces top quality products meeting the highest standards in the industry.

To ensure your safety, optimize the user experience and maximize the life span of this product, it is of utmost importance to follow the product instructions, as well as the DOs and DON'Ts outlined in the operation and maintenance procedures of this manual.

Please read this manual thoroughly and follow carefully

USING AIRLINK AND SPRAYING FLAMMABLE LIQUIDS

Some models of our Air Boosters are capable of handling flammable liquids when they are used with the **AirLink**, our special attachment.

These models allow the Air Booster to operate and at a safe distance from the tank and any flammable liquid or fume it contains.

Such models can safely contain non-flammable liquids as well.

To operate safely, user must follow all instructions carefully.

ONLY use those models specifically designated as being capable of containing and handling flammable liquids. Carefully follow all outlines and proper procedures when setting ups the Sprayer Plus Air Booster 603 to work with flammable liquids.

Do Not spray flammable liquids unless using the proper settings.

Warning: spraying flammable liquids too close to the motor or the battery, or operating with improper settings lead to imminently hazardous situation which, if not avoided will result in death or serious injury.

Contact us if you have any question or concern:

info@sprayers-plus.com

GENERAL WARNINGS

SAFETY GUIDELINES - DEFINITIONS

It is important for you to read and understand this manual.

The information contains relates to protecting YOUR SAFETY and PREVENTING PROBLEMS.

The symbols below are used to help you recognize this information.



DANGER!

Indicates an imminently hazardous situation which, if not avoided will result in death or serious injury.



WARNING!

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.



CAUTION!

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

GENERAL WARNINGS

CONT'D

WARNING!

IMPROPER USE OR FAILURE TO FOLLOW INSTRUCTIONS CAN RESULT IN EXPLOSION CAUSING SERIOUS EYE OR OTHER INJURIES.

FOR THE SAFE USE OF THIS SPRAYER, YOU MUST READ AND FOLLOW ALL INSTRUCTIONS.

- Do not leave a pressurized sprayer in the hot sun. Heat can cause pressure to build up, resulting in possible explosion.
- Do not store or leave solution in the tank after use. Always wear goggles, gloves, long sleeve shirt, long pants and full foot protection while spraying.
- Do not attempt to modify this sprayer. Replace parts only with manufacturer's original parts.
- Flammable, caustic, acidic, chlorine, bleach or other corrosive solutions must not be used unless you are using the type of tank, hose, seals and accessories with the specifications designated to handle the specific chemical. Always read and follow manufacturer's instructions before using this sprayer because some chemicals may be incompatible and hazardous when used with this sprayer.
- Handling the brass parts of this product will expose you to a chemical known to the state of California to cause birth defects or other reproductive harm.
- **Wash hands after handling.**

CAUTION!

- **PRE-USE CHECK:** Before each use, check the tightness of the hose to ensure the hose is securely attached to the shut-off assembly. Ensure that all nozzles and wand connections are tight.
- Do not exceed a tank solution temperature of 120°F/49°C.

NOTE: Residual water may be accumulated in the tank and hose during factory quality and performance testing.

BATTERY SAFETY

SprayerPlus sprayers are designed to operate with a 16V lithium-ion battery by SprayersPlus.

⚠ CAUTION - OTHER BATTERIES

Use of any other batteries with the sprayer may cause serious harm or injury to the operator and serious damage to the sprayer.

The battery pack does not come fully charged out of the box.

Before operating the battery pack and charger, **Read the safety instructions and follow the charging procedures outlined on page 8.**

POWER BATTERY
Li-ion 16V 2.2Ah/35.2wh

WARNING

To reduce the risk of fire or burns, do not disassemble, crush, puncture or short external contacts.



⚠ WARNING - SHOCK HAZARD

Do not allow any liquid to get inside the charger. Never attempt to open the battery pack or the charger for any reason. If the plastic housing of the battery pack breaks or cracks, return it to a service centre for recycling.

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY PACKS

Explosive Atmospheres: Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Inserting or removing the battery from the charger may ignite the dust or fumes.

Damaged Battery: Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode if exposed to flames or high heat. Toxic fumes and materials are created when battery packs are burned.

Battery Contents Leak:

The battery electrolyte for lithium-ion batteries is composed of a mixture of liquid organic carbonates and lithium salts.

- **Burn hazard.** Battery liquid may be flammable if exposed to sparks or flames.
- **Contents of opened battery cells** may cause respiratory irritation. If respiratory irritation is experienced due to exposure, move person to a well-ventilated area immediately. If symptoms persist, seek medical attention.
- **If battery contents come into contact with skin,** immediately wash area with mild soap and water.
- **If battery liquid gets into the eye,** rinse water over the open eye for 15 minutes or until irritation ceases. If medical attention is needed, see a doctor immediately.

BATTERY SAFETY

CONT'D

WARNING - GENERAL

Charging: Charge the battery packs only in SprayersPlus chargers.

DO NOT splash or immerse in water or other liquids. This may cause premature cell failure.

Operation Temperature: DO NOT store or use the tool and battery pack in locations where the temperature may reach or exceed 105°F (40°C) (such as outdoor sheds or metal buildings in the summer season).

Never attempt to open the battery pack for any reason. If the battery pack casing is cracked or damaged, do not insert it into the charger.

Do not crush, drop or damage the battery pack.

Damaged battery pack or charger: DO NOT use a battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way.

Damaged battery packs should be returned to a service center for recycling.

WARNING - STORAGE AND TRANSPORT

Fire hazard: Do not store or carry the battery in such a way that metal objects can come in contact with exposed battery terminals. For example, do not place the battery in aprons, pockets, toolboxes, product kit boxes, drawers, etc.

Protect and insulate battery terminal: To prevent fire risk while transporting batteries, ensure battery terminals do not come in contact with conductive materials such as keys, coins, hand tools and the like; make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

Airplane luggage: The US Department of Transportation's Hazardous Material Regulations (HMR) prohibits the transport of lithium-ion batteries in commerce or on airplanes (i.e., packed in suitcases and carry-on luggage) UNLESS they have proper short-circuit protection.

NOTE: Lithium- ion batteries should NOT be put in checked baggage.

Regulations of other countries may be different. Please check with your airline.

WARNING - BATTERY CHARGER

Shock hazard: Do not allow any liquid to get inside the charger. Do not expose the charger to rain or snow.

Do not attempt to charge the battery pack with any chargers other than the ones specified in this manual. The charger and battery pack are specifically designed to work together.

These chargers are not intended for any uses other than charging rechargeable batteries. Any other uses may result in risk of fire or electrocution.

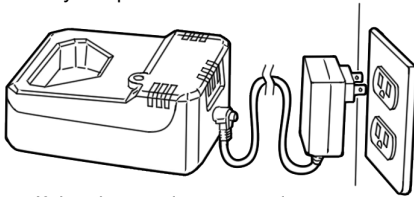
CHARGING INFORMATION

CHARGING PROCEDURE

Sprayers Plus chargers are designed to charge Sprayers Plus 16V battery packs only. Follow these steps to charge the SprayersPlus battery pack:

1. Plug the charger into an appropriate outlet before inserting the Sprayers Plus 16V battery pack.

A flashing red light indicates the charger is active and ready to operate.



Note: If the charger does not activate, refer to page 18 Troubleshooting.

2. Insert the battery pack into the charger.
3. A solid red light indicates the battery is charging.
4. When the solid red light changes to a solid green light, the battery is fully charged.

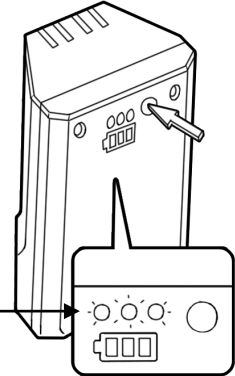


Note: Any light behaviour (such as rapid flashing), other than solid red (charging) or a solid green (charged) indicates a charging error. Refer to page 18 Troubleshooting or contact SprayersPlus for further advice.

BATTERY POWER INDICATOR LIGHTS

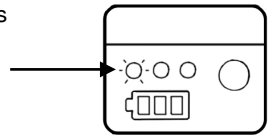
- There are 3 LED lights on the battery.

Press the adjacent button to inspect the power level.



- Three blue lights indicate fully charged.

- One blue light indicates the battery level is low. It is time to recharge.



LEAVING THE BATTERY IN THE CHARGER

The charger and battery pack can be left connected with the solid green LED light on. The charger will automatically keep the battery pack fresh and fully charged.

STORAGE RECOMMENDATIONS

Store the charger and battery in cool and dry places; keep them away from direct sunlight and excess heat or extreme low temperature. Storage up to 3 months will not harm a fully charged battery pack or charger.

CHARGING INFORMATION

CONT'D

IMPORTANT CHARGING NOTES

Follow the Charging Procedure detailed on the previous page of this manual to recharge the battery.

The battery pack should be recharged whenever it fails to produce sufficient power on jobs that were previously easy to complete. DO NOT CONTINUE with use under such condition.

You may charge a used battery pack when ever you desire with no adverse effect to the battery pack.

Foreign materials of a conductive nature, such as steel wool, aluminum foil, buildup metallic particles, etc., should be kept away from charger cavities.

Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.

Do not freeze or immerse charger in water or any other liquid.

The longest life and best performance of the battery pack, charge it in an environment where the air temperature is between 65°F and 75°F (18°C-24°C).

Charging Temperature: DO NOT charge the battery pack in an environment where the air temperature is below 40°F (+4.5°C), or above +105°F (+40.5°C). Follow these guidelines to prevent serious damage to the battery pack.

The charger and battery pack may become warm while charging. This is normal and does not indicate a problem.

To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed or an uninsulated trailer.

If the battery pack does not charge properly, follow these steps:

- (1) Check current at the outlet or receptacle by plugging in a lamp or other appliance.
- (2) Check to see if outlet or receptacle is connected to a light switch which turns the power off when you turn off the lights.
- (3) Move charger and battery pack to a location where the surrounding air temperature is between approximately 65°F and 75°F (18°C-24°C)
- (4) If charging problems persist, take the tool, battery pack and charger to your local service center.

Always charge the battery after use to maximize the life of the battery.

Leaving a drained lithium ion battery in storage for too long may cause it to fail to recharge.

PREPARING THE AIR BOOSTER FOR OPERATION

PRESSURE ADJUSTMENT

The SprayersPlus Air Booster automatically pressurizes the tank to provide continuous reliable air pressure for spraying and is preset at the factory for optimal pressure at 28 psi.

It can be adjusted by an adjustment lever located in the inner drum of the Air Booster. Moving this lever left or right according to the + or - sign adjusts the sensor inside the tank to increase or decrease the maximum pressure threshold.

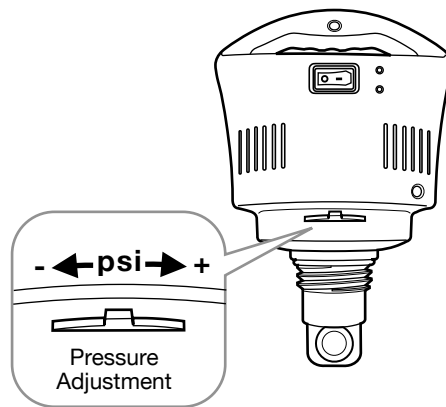
Once the pressure in the tank reaches your designated setting, the pump will stop. It will automatically restart again when the pressure drops below a pre-set minimum pressure threshold.

After using the Air Booster once, you can determine if the maximum pressure threshold needs adjustment.

If the original factory setting works well for you, there is no need to do any adjustment.

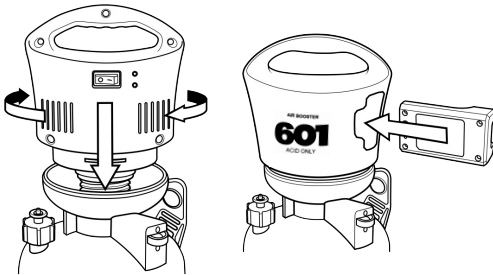
If you want to adjust the maximum pressure in the tank, follow these steps:

1. Turn off the AirBooster.
2. Pull the safety pressure valve relief until the tank is fully depressurized.
3. Unscrew the Air Booster from the tank.
4. Adjust the pressure adjustment lever accordingly.
5. Reinstall the Air Booster to test if the new setting is satisfactory. If the pressure still needs to be adjusted, repeat step 1 to 5.



PREPARING THE AIR BOOSTER FOR OPERATION

CONT'D



1. Tightly screw and thereby seal the Air Booster onto the canister tank.
2. Insert the battery into the battery slot.
3. Switch power to ON with illuminated red main switch.
4. Listen to detect sound of motor pressurizing the tank.
5. When pressure in the tank reaches the preset pressure, the motor stops and **green LED illuminates** to indicate the sprayer is ready to use.

User can adjust and set the operating pressure between 16 to 32 PSI. (see p.10)

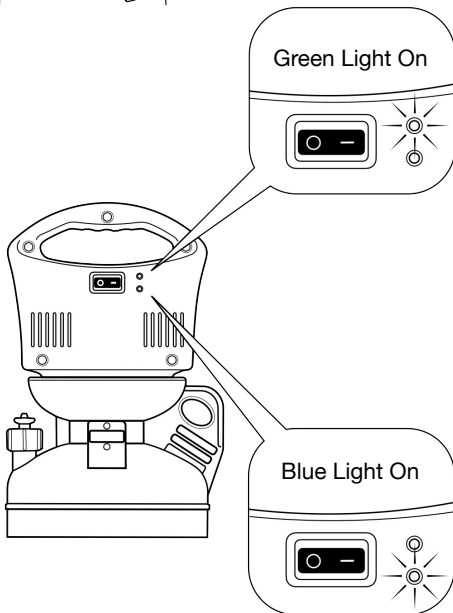
The Air Booster automatically starts itself when the pressure drops below the preset reading. During the pressurization process, the green light will temporarily turn off.

Ensure that the Air Booster is securely and tightly screwed to the canister tank and the pressure release valve is seated in place.

In normal circumstances, a 2 gallon tank can be fully pressurized under 2 minutes.

Due to safety reasons, the motor shuts off if pressurizing continues for more than 2 minutes and a **blue LED will illuminate**. If it happens, restart it after 5 minutes.

If the restart fails, it is possible there is an air leakage or a sensor malfunction. Refer to page 18 Troubleshooting or contact SprayersPlus for further advice.



To restart, turn the unit off for 10 seconds and switch it back on. The system will return to normal.

To depressurize, pull out the safety pressure valve relief until all air has been released from the tank. Then let go the pulling action and the valve will reset to the default sealing position.

PREPARATION FOR SPRAYING

WEAR PROTECTIVE GEAR



Follow Occupational Health and Safety regulation.

Wearing protective clothing and equipment when handling chemicals is obligatory.

⚠ WARNING:

Use the correct dose and volume of chemical according to the product label.

⚠ WARNING:

Do not spray near springs, lakes, rivers and people who are not using PPE.

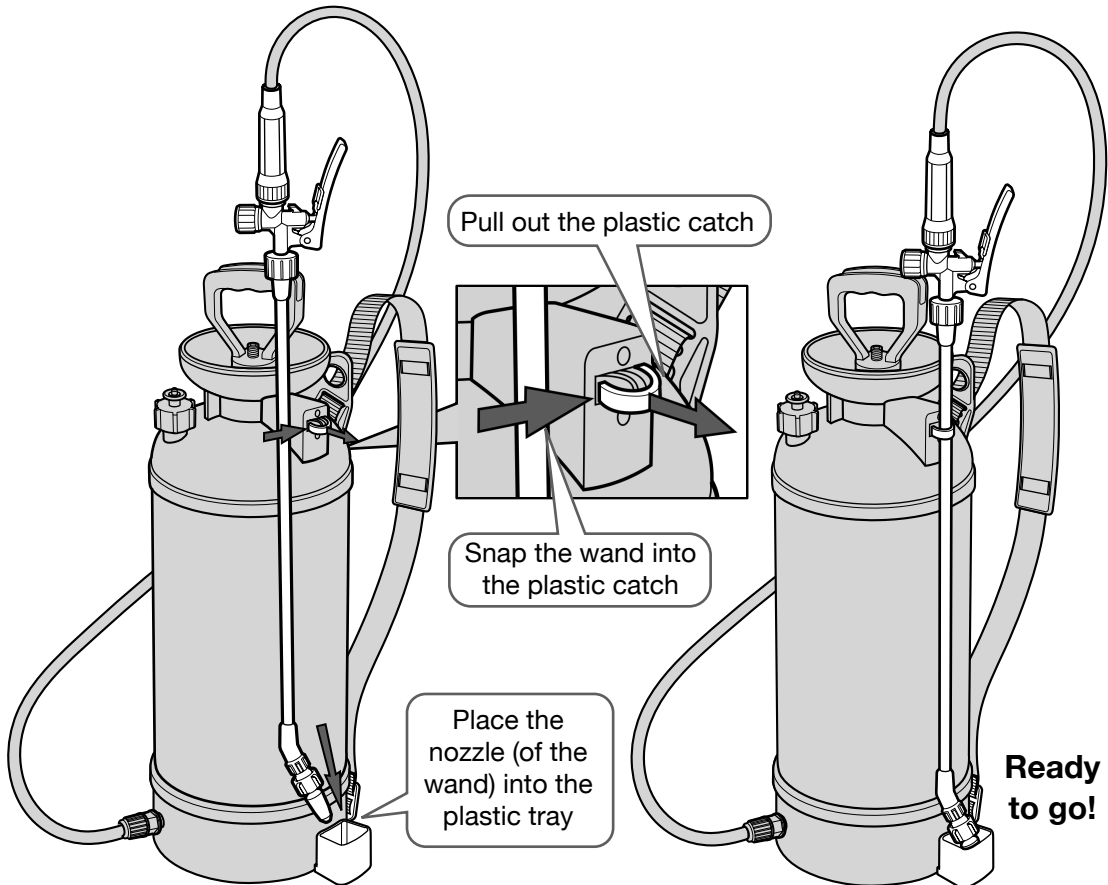
⚠ WARNING:

In case of an accident, remove the sprayer immediately.

PREPARATION FOR SPRAYING

CONT'D

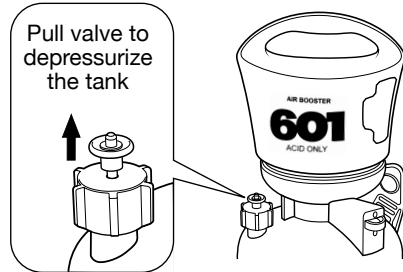
WAND PLACEMENT



MAINTENANCE AND CLEANING

Upon finishing the spraying operation, perform these procedures to prepare the sprayer for cleaning and lubrication.

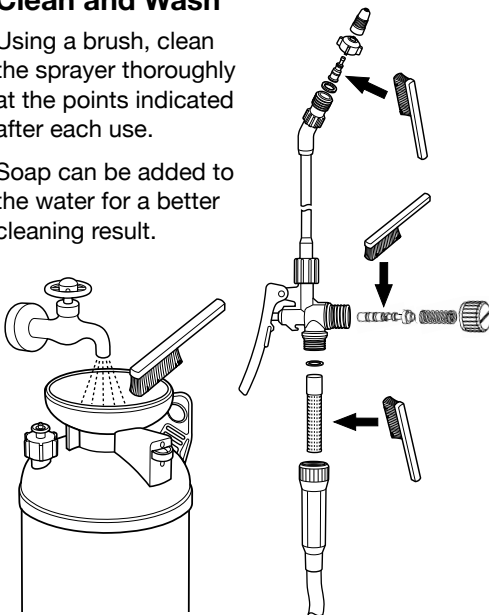
1. Turn off the Air Booster.
2. Depressurize the tank.
3. Unscrew the Air Booster to remove it, and then dispose of the residue in the tank.



Clean and Wash

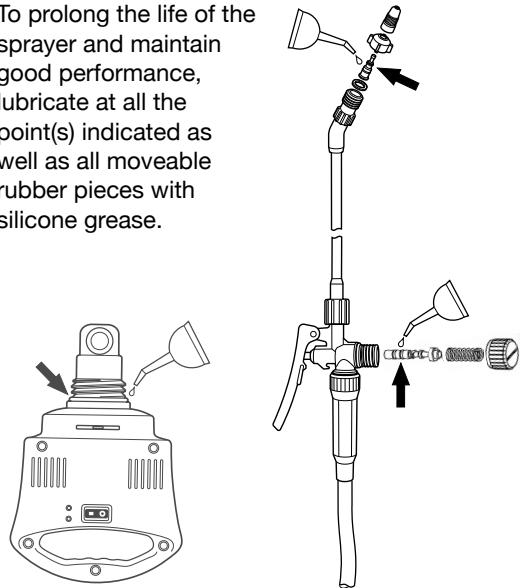
Using a brush, clean the sprayer thoroughly at the points indicated after each use.

Soap can be added to the water for a better cleaning result.










Rubber Seal Protection & Lubrication

To prolong the life of the sprayer and maintain good performance, lubricate at all the point(s) indicated as well as all moveable rubber pieces with silicone grease.



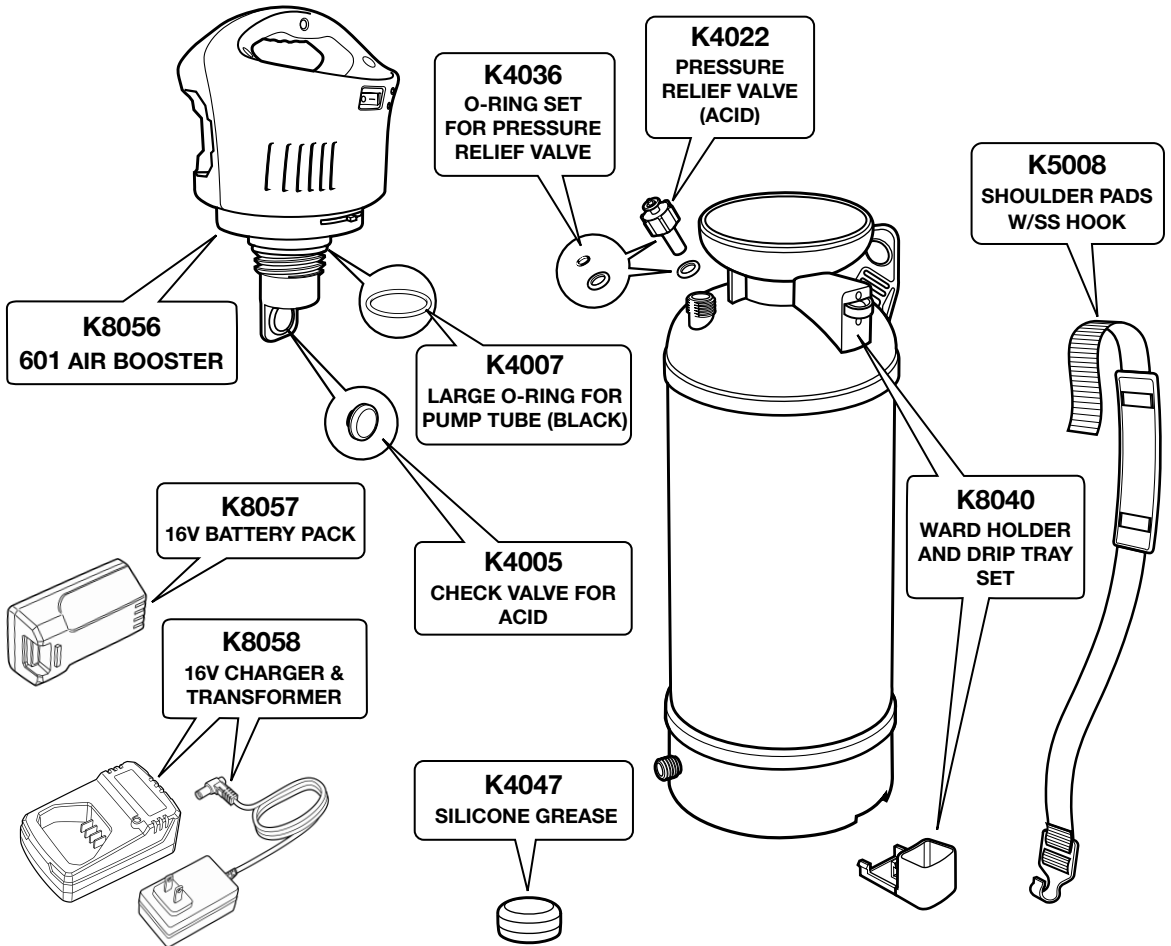
NOZZLE & PERFORMANCE

| Type | Sprayer Models | Pressure (psi/kg) | Mist setting output (ml min) | Steam setting output (ml/min) | Coverage @ 3.3' height | Horizontal reach (Steam setting) |
|---|--|-------------------|------------------------------|-------------------------------|------------------------|----------------------------------|
|  Brass Cone 1.9mm Orifice | 100, 101, 103, 201, 202, 401, 402, YT10, YT20, YT30, 20C, 35C, PS20, 105E, 105Ex | 40/2.8 | 1300 | 1950 | 3.6' x 3.6' | 33.4' |
|  Brass Cone 1.3mm Orifice | YT25E, 603 | 24/1.6 | 600 | 890 | 2.6' x 2.6' | 31' |
|  Black Cone 1.5mm Orifice | 301, 302, 403, 10ACID, 20ACID, FH10, FH20, FH30, BL20, 20ACT, 35ACT, 601 | 30/2.0 | 475 | 1000 | 3.2' x 3.2' | 36.7' |
|  Black Cone 1.0mm Orifice | BL25E, FH25E | 24/1.6 | 370 | 650 | 2.2' x 2.2' | n/a |
|  Yellow Fan 90° | 100, 101, 103, 201, 202, 301, 302, 401, 402, 403, 20C, 35C, 10ACID, 20ACID, 20ACT, 35ACT, BL20, PS20, YT10, YT20, YT30, FH10, FH20, FH30 | 40/2.8 | 1150 | n/a | n/a | n/a |
| | BL25E, FH25E, YT25E, 601, 603 | 24/1.6 | 700 | n/a | n/a | n/a |
|  Blue Fan 110° | 100, 101, 103, 201, 202, 301, 302, 401, 402, 403, 20C, 35C, 10ACID, 20ACID, 20ACT, 35ACT, BL20, PS20, YT10, YT20, YT30, FH10, FH20, FH30 | 40/2.8 | 1150 | n/a | n/a | n/a |
| | 105E, 105Ex | 30/2.0 | 1050 | n/a | n/a | n/a |
| | BL25E, FH25E, YT25E, 601, 603 | 24/1.6 | 850 | n/a | n/a | n/a |
|  Gray Fan 135° | 105E, 105Ex | 30/2.0 | 1650 | n/a | n/a | n/a |

To order parts, please email: info@sprayers-plus.com or scan QR code
For more specifications and information, go to webpage: www.sprayers-plus.com

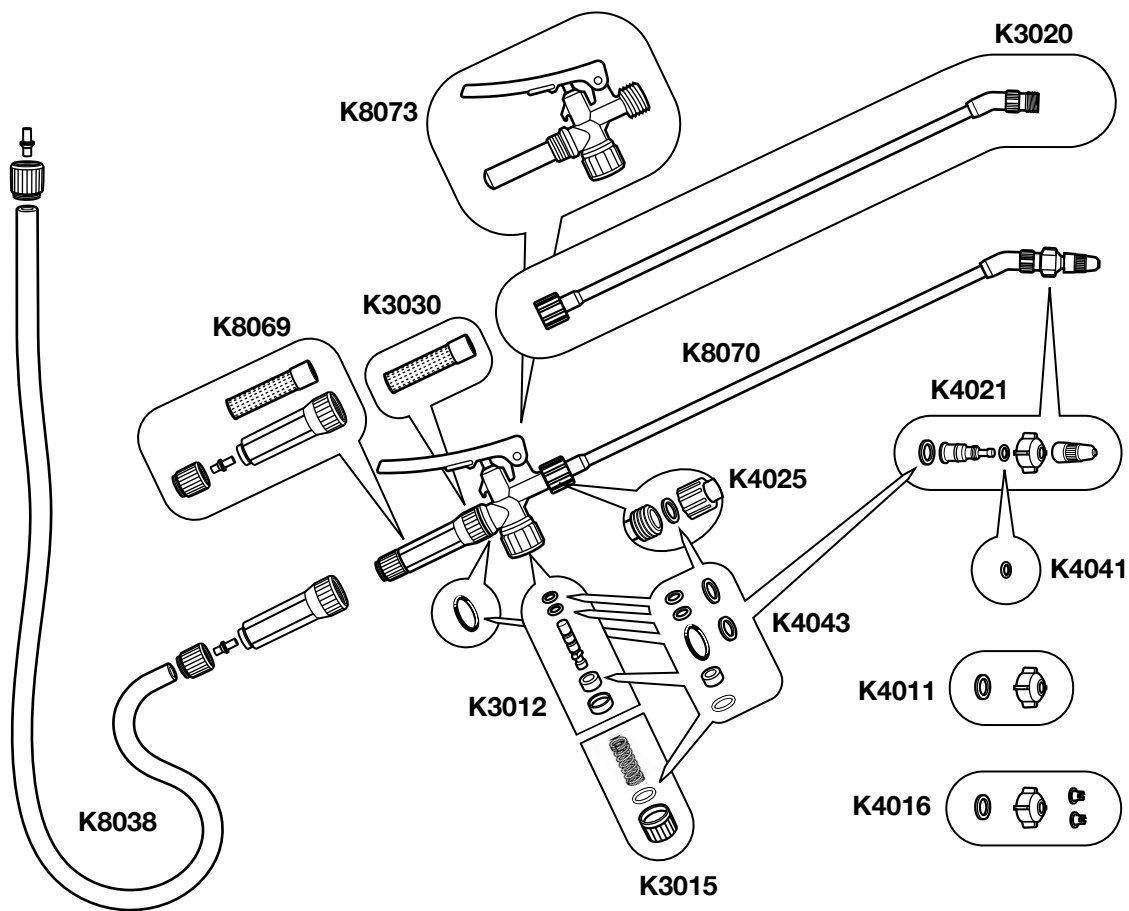


REPLACEMENT PARTS - DIAGRAM A



REPLACEMENT PARTS - DIAGRAM B

HOSE, WAND AND O-RINGS



REPLACEMENT PARTS - LIST

| | | | |
|-------|--------------------------------------|-------|-----------------------------------|
| K3012 | PLASTIC SPINDLE SET | K4041 | O-RING FOR ADJUSTABLE NOZZLE |
| K3015 | PLUG SET | K4043 | O-RING & WASHER SET FOR SPRAY GUN |
| K3020 | PVC WAND - 20" | K4047 | SILICONE GREASE |
| K3030 | SPRAY GUN FILTER | K5008 | SHOULDER STRAP W/SS HOOK |
| K4005 | CHECK VALVE FOR ACID | K8038 | EPDM HOSE SET |
| K4007 | LARGE O-RING FOR PUMP TUBE (BLACK) | K8040 | WAND HOLDER & DRIP TRAY SET |
| K4011 | NOZZLE HOLDER | K8056 | 601 AIR BOOSTER |
| K4016 | PLASTIC SPRAY TIP SET | K8057 | 16V BATTERY PACK |
| K4021 | ADJUSTABLE PLASTIC NOZZLE | K8058 | 16V CHARGER & TRANSFORMER |
| K4022 | PRESSURE RELIEF VALVE | K8069 | GRIP SET |
| K4025 | WASHERS SET FOR SPRAY GUN | K8070 | SPRAY GUN A9 - FITS ACID |
| K4036 | O-RING SET FOR PRESSURE RELIEF VALVE | K8073 | SPRAY GUN A PART SET |

To order parts, please email: info@sprayers-plus.com or scan QR code
For more specifications and information, go to webpage: www.sprayers-plus.com



RETURN INSTRUCTIONS

If it is necessary to return the sprayer for repair, always perform the following tasks before returning the sprayer:

- In an approved containment area, flush chemical residue from the pump, tank and hoses.
- Circulate fresh water through the tank, pump and hoses.
- Indicate the type of chemicals that have been in the sprayer with a label or tag.
- Include complete description of operation problem, such as how sprayer was used, symptoms of malfunction, how many working hours per day, etc.
- Since the sprayer can contain residues of toxic chemicals, these steps are necessary to protect the people who handle return shipments and to help identify issues and solutions.



WARRANTY INFORMATION

Statement of Limited Warranty

Sprayers Plus shall warrant the equipment described in this manual and shall repair or replace parts and components which, under normal operation and wear, in accordance with technical recommendations, show DEFECTS IN MATERIAL OR WORKMANSHIP, based on the following conditions.

Warranty period

1 (one) year from the date of sale to the original purchaser.

Warranty Registration

Please visit: www.sprayers-plus.com/warranty

Sprayers Plus shall honor this warranty, free of charge, if any part or component shows defect in MATERIAL OR WORKMANSHIP, after final analysis at the factory.

This Warranty shall be null and void in case of:

- Misuse of the equipment against specifications in this manual, overwork or accidents.
- Preventive / remedial maintenance performed by unauthorized people or parties.
- Use of parts and components not supplied by Sprayers Plus.
- Modification of the equipment or any characteristic of the original design.

This Warranty shall exclude

- Parts which show wear and tear due to use: spray nozzle, filters, seals, rechargeable battery, hydraulic pump, electronic panel, charger and its cables, agitator lever, belt, UNLESS THEY SHOW DEFECTS IN WORKMANSHIP, ASSEMBLY OR MATERIAL.
- Damages resulting from accidents.
- Transportation or freight of the equipment, parts, and components in case such warranty is not approved.
- Transportation and travel time of technician.

web: www.sprayers-plus.com



email: info@sprayers-plus.com