



OPERATION GUIDE

Model #: FZVAAK-2.5

CYCLONE 2.5™

**5-POSITION VARIABLE PRESSURE
BATTERY POWERED BACKPACK SPRAYER**

4-GALLON TANK CAPACITY





ATTENTION

Please read the following information carefully. User must read and understand the entire manual before operating the sprayer. Failure to follow instructions or improper use could lead to sprayer failure and possible serious injuries.

- Never spray flammable, caustic, acidic, heat, pressure, or gas producing chemicals.
 - Always read and follow chemical manufacturer's instructions before use with this sprayer as some chemicals may be hazardous when used with this sprayer.
 - Never leave chemicals or solutions sitting in your sprayer after using.
 - After using sprayer with chemicals, it is important to spray with fresh water for 3-5 minutes to ensure residual chemicals in the gun, wand, tank, pump, and hose are cleaned out.
 - Read and follow all instructions and cautions on label of products used in this sprayer.
 - Do not store your sprayer in extremely high temperatures. Heat can lead to the build-up
- of pressure within the sprayer, resulting in a possible explosion.
 - Do not try to make modifications to the sprayer. Always use FlowZone® branded replacement parts from the manufacturer.
 - Do not use batteries that are wet or have been damaged.
 - Inspect sprayer hose, power knob, wand, and gun for damage or loose connections before each use.
 - Do not lift or carry the sprayer by the hose, or wand. Carry by the handle only.
 - Only spray when the air is calm (no wind or air movement) to prevent chemical spray from drifting into unintended areas.
 - Keep sprayer and all chemicals out of the reach of children.
 - Remove chemicals and thoroughly clean the sprayer after each

use. Failure to clean the sprayer may cause contamination of subsequent applications, will cause premature spray wear, and void the sprayer warranty.

NOTES

- The sprayer may have residual water in it when first opened. This is due to quality testing every sprayer undergoes before leaving our factory.
- Some parts may be located under the tank lid when first assembling the sprayer.
- **THIS SPRAYER IS DESIGNED TO OPERATE WITH ONLY FLOWZONE® BRANDED BATTERIES. ANY OTHER BATTERIES COULD CAUSE SERIOUS HARM OR INJURY TO THE OPERATOR AND SERIOUS DAMAGE TO THE SPRAYER.**

This product contains chemicals, including lead, known to the state of California to cause birth defects and other reproductive harm.



When using chemicals, always wear protective clothing, including respiratory protection masks, gloves, eye protection, etc.



Do not dispose of Lithium-ion batteries with household waste; recycle where facilities exist.

OPERATING

- Do not allow familiarity with products to make you careless. Remember that a single moment of carelessness is sufficient to cause serious injury.
- Always wear eye protection with side shields when handling or operating this sprayer. Failure to do so could result in serious injury from chemical contact or flying dirt or debris.
- The Lithium-ion battery pack can be used in temperatures down to 32°F. When operating in cold temperatures, put the battery pack in the battery compartment and use the sprayer in a light duty application. After about a minute the battery pack will warm up and begin operating normally.
- Always use the correct power setting for your application. Using the correct PSI and flow rate will result in a safer and more thorough treatment. For calibration resources please contact FlowZone® technical support. (Note: Always refer to local, state, and federal laws and regulations regarding your application.)

- Do not use the sprayer if the power switch is not functioning correctly. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Remove battery before making any adjustments, changing accessories, or storing the sprayer. Disconnect the sprayer from the power source by removing the battery pack. These preventative safety measures reduce the risk of starting the sprayer accidentally.

STORING

- Store sprayer out of reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the sprayer. Power tools are dangerous in the hands of untrained users.
- Maintain sprayers and accessories. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the sprayers operation.

SAFETY

- Use the sprayer and accessories in accordance with these instructions, taking into consideration the working conditions and the work to be performed. Use of this sprayer for applications that it was not intended for could result in a hazardous situation.
- Keep handles and lift points dry, clean and free from oil and grease. Slippery handles and lift points do not allow for safe handling and control of the sprayer.
- Risk of fire or explosion: Never use this sprayer with liquids such as gasoline, ethanol, methanol, or any other flammable or gas producing chemicals. Do not use sprayer around sparks, flame, or smoke. Failure to adhere to these instructions may cause the chemicals to ignite, resulting in potential injury and damage to

property.

- To reduce the risk of fire, personal injury, and product damage from a short circuit, never immerse the sprayer, battery, or charger in fluids. Do not place or store sprayer where it could fall or be pulled into a tub or sink. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach containing products, etc., can cause a short circuit.
- Electric shock hazard: Never spray toward electrical outlets.
- Spray area must be well ventilated to avoid hazardous fume build-up. Always refer to the product label of the chemical being used for safety instructions and proper use practices.
- Avoid spraying on windy days. Spraying in windy conditions could cause chemicals to be blown onto persons, plants, or objects that are not intended to be sprayed.

DO NOT RETURN SPRAYER TO STORE, if you experience problems or have questions contact our Customer Support, M-F 9am-5pm EST at +1 803.339.2500, or email: support@wessol.com, or find more information at fzspray.com/troubleshoot.

SAFETY CONT.

- Do not store chemicals in the tank. Chemicals can degrade seals and hoses. Drain and clean sprayer after each use. Failure to do so may void the sprayer warranty.
- Remove gloves before handling battery pack. Chemicals may be damaging to plastics.
- Thoroughly inspect the interior, exterior, and all components of the sprayer before each use. Check for cracked and deteriorated hoses, leaks, clogged nozzles and missing or damaged parts. If damaged, ensure the sprayer is repaired before use. Many accidents are caused by poor maintenance.
- Always remove the battery pack from the sprayer before performing any maintenance, storing or draining of the sprayer.
- Do not eat or smoke while handling or operating the sprayer. Refer to the product label of the chemical being used for user safety practices.
- Do not use the battery compartment for storage.
- Always use common sense and be cautious when using the sprayer. It is not possible to anticipate every situation that could result in a dangerous outcome. Do not use this sprayer if you do not understand these operating instructions or if you feel the work is beyond your capability.
- Maintain labels and nameplates. These carry important information. If unreadable or missing, contact FlowZone® Support.

Scan the QR code to view the most updated manual online!



or visit: www.fzspray.com/operation-guides

REGISTER YOUR SPRAYER!

To take advantage of the 1-year Limited Warranty from WESSOL, LLC. Register your sprayer at the website below:

www.fzspray.com/register

Please read and follow this manual carefully to ensure that you get the most out of your new sprayer. If you need assistance with the assembly or operation of your sprayer, please don't hesitate to contact WESSOL via the support methods below:

www.fzspray.com

spraysquad@fzspray.com

+1 803.339.2500

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FZVAAJ-2.5

WHAT IS YOUR SPRAYER CAPABLE OF?

This FlowZone® sprayer is a highly efficient sprayer that is suitable for spraying many kinds of chemicals and solutions.

Powered by a 18V Lithium-ion battery, this sprayer results in more efficiency than a manual sprayer. This sprayer can be operated continuously for up to 2.5 hours and spray more than 57 gallons per battery charge at a distance of over 25 feet!

FlowZone® CYCLONE 2.5™ Specifications

Model Number	FZVAAJ-2.5	Pump Type	Standard-pressure diaphragm
Battery Type	Lithium-ion	Spray Time	Up to 2.5 hours
Battery Voltage	18V	Pressure	Up to 60 psi
Battery Capacity	2.6Ah	Spray Distance	>25 feet
Battery Charging Time	2 hours	Tank Capacity	4 gallon
Battery Cycle Life	1,000 cycles	Flow Rate	0.25-0.48 gal/min
Battery Charger	21V/1Ah	Pump Life	1,000 hours



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WHAT'S INSIDE

For part numbers and replacement parts please see page 14.

Part	Name	Part	Name	Part	Name
1	Tank Lid	7	18V Li-Ion Battery	13	Adjustable Cone Nozzle
2	4-Gallon Tank	8	21V Battery Charger	14	0° Pin Stream Nozzle
3	Tank Strainer	9	Stainless-Steel Spray Wand	15	25° Fan Nozzle
4	Top Holster	10	Spray Gun		
5	Bottom Holster	11	ComfortStraps™		
6	Nuts & Bolts	12	UV-Resistant 5-Foot Hose		

GETTING STARTED

Setting up your sprayer

1. Remove the nuts and bolts, holsters, and nozzles from the tank strainer (3). Set aside. Bring the ComfortStraps™ (11) to the bottom of the tank (2). Secure the lower strap clips to the loops at the bottom of the tank. Next, slide the adjustable strap through the top tank loop. Continue by sliding the strap over and under the buckle fitting. Lightly tug to make sure the strap is secure. Repeat on other side.
2. Place the top wand holster (4) at the protruding holster mount on the tank. While holding the top holster, place a nut (6) on one side of the hexagonal slots and screw the bolt through the other side until it fastens into the nut. Repeat for the other slot and the bottom holster (5).
3. Take the spray gun (10) and attach it to the threaded fitting on the end of the hose (12). Tighten the fitting to ensure the gasket properly seals the connection.
4. If spraying with the stainless-steel spray wand (9), pull back on the collar of the quick-connect fitting on the spray gun. Insert the male wand quick-connect into the female spray gun fitting and push the collar back into its original position. Nozzles can be attached with the same process.
5. Snap the spray wand into the wand holster and place any unused nozzles into storage slots until ready to spray.



GETTING STARTED

Preparing to spray

1. Fully charge the battery prior to the first operation.

Note: the indicator lights will flash green while charging. Solid green lights mean the battery is fully charged.

2. In a separate container, prepare the solution you wish to spray according to the manufacturer's instructions. Open the tank lid and carefully pour the solution through the tank strainer. Securely tighten the tank lid.
3. Determine the nozzle you want to use (see right) and insert it into the spray wand or spray gun by pulling back on the collar of the quick-connect fitting. Remember to push the collar back into position.

a) *Adjustable cone nozzle:* ranges from jet stream to conical mist.

b) *Green fan nozzle:* flat 25° fan

c) *Red jet nozzle:* 0° narrow stream



4. Begin spraying by squeezing the spray trigger.



THE BATTERY

These batteries have been designed to provide maximum trouble-free life. However, like all batteries, they will eventually wear out. Do not disassemble battery pack and attempt to replace the batteries. Handling of these batteries especially when wearing rings or jewelry could result in serious burns.

- Recharge only with the charger specified by FlowZone®. A charger that is suitable for one type of battery pack may create a risk of fire when used with another batter pack.
- Only use sprayers specifically designated with their designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or fires.
- Under abusive conditions, liquid can be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid

contacts eyes, additionally seek medical help.

- Liquid ejected from the battery may cause irritation or burns.
- Do not use a battery pack or sprayer that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.
- Do not expose a battery pack or sprayer to fire or excessive temperature. Exposure to fire or temperature above 265°F (130°C) may cause explosion.
- Follow all charging instructions and do not charge the battery pack outside the temperature range specified in the instructions. Charging improperly or at a temperature outside the specified range may damage the battery and increase the risk of fire.

STORING BATTERY PACK LONGER THAN 30 DAYS

- Store the battery pack where the temperature is below 80°F and away from moisture.
- For long-term storage, regular charging of the battery is required

to maximize battery life. Check the battery level using the indicator lights every 4 weeks. Recharge the battery if it falls below 3 bars.

- Do not allow the battery to fully discharge.

BATTERY RECYCLING PREPARATION

- To preserve natural resources, please recycle or dispose of the batteries properly.
- This product contains Lithium-ion batteries. Local, state or federal laws may prohibit disposal of lithium-ion batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.

LITHIUM-ION BATTERY PACKS

- Lithium-ion batteries deliver fade free power for their entire run time. Lithium-ion batteries will not gradually lose power due to decreasing battery charge.

Instead, power from the battery pack will drop from full to zero once the full charge has been drained from the battery. Once this happens, recharging of the battery is required.

BATTERY PACK PROTECTION FEATURES

- Lithium-ion battery packs are designed with features that protect the lithium-ion cells and maximize battery life. If the sprayer stops during use, release the trigger to reset and resume operation. If the sprayer still doesn't work, the battery needs to be recharged.

If after 2 hours during the charging process, none of the LEDs are lit, remove the battery pack from the charger to avoid damaging the product. DO NOT insert another battery. Contact Customer Support for instructions on replacing the battery.

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SPRAYER MAINTENANCE

Aftercare

1. Dispose of extra product based on the manufacturer's instructions. Rinse out any residual solution in the spray tank with warm, soapy water. Then, spray fresh water through the sprayer for 3 to 5 minutes to clear the tank of chemicals.
2. Disconnect the spray gun from the hose and allow the hose to hang down towards the ground; draining the hose of liquid.
3. Thoroughly dry the sprayer tank and clear nozzles of any buildup.
4. Store the sprayer in a dry, clean, and shaded place to protect it from extreme heat or frost.



NOTE

For long-term storage, regular charging of the battery is required to maximize battery life. Check the battery level using the indicator lights every 4 weeks. Recharge the battery if it falls below 3 bars. Do not allow the battery to fully discharge.

TROUBLESHOOTING

If your sprayer is not turning on, visit fzspray.com/troubleshoot for detailed instructions on how to determine which part is not functioning as it should.

To contact Technical Support, email support@wessol.com or call **+1 (803) 339-2500**.

Problem	Possible Cause(s)	Solution
Sprayer does not turn on.	Dead battery	Charge the battery. If the battery will not charge, test the charger or contact Support for a replacement if applicable.
	Defective or damaged part	Follow the instructions at fzspray.com/troubleshoot or contact Support for guidance.
Leaks from tank.	Loose hose connection	Remove the plastic cover plate and locate the hose connection to the pump. Tighten the hose clamp.
Leaks from gun/nozzle.	Loose hose connection	Ensure the spray gun is fully tightened onto the threaded end of the hose.
	Missing or worn gasket	Locate the necessary part from page 14 and contact Support or visit fzspray.com to purchase.
Clogged pump / hose / gun / wand / nozzle	Not rinsing parts with water after use.	Take apart and thoroughly clean the parts. Rinse the sprayer with warm, soapy water after each use.

Problem	Possible Cause(s)	Solution
Dead battery.	Defective charger	If the LED indicator lights do not turn on or only one red LED is on after being on the charger for over 2 hours, test the charger with a multimeter. Replace if necessary.
	Damaged Lithium-Ion cells	If the battery receives no reading from a multimeter, a replacement battery is needed.
Pump makes a sound when sprayer is on, but output is limited.	Clog in filter or nozzle	Check parts for a clog. Using warm water, thoroughly clean the components.
	Clog in the pump	Remove the plastic cover plate and locate the pump. Remove then open the pump and clean out debris. Contact Support for assistance.

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ACCESSORY & REPLACEMENT PARTS

All parts can be purchased online at www.fzspray.com.

SKU	Name	SKU	Name
FZAAGD	ComfortStraps™	FZAAAR	Adjustable Cone Nozzle
FZAAEN	18V/2.6Ah Li-Ion Battery	FZRABV	Spray Gun
FZAAEP	21V/1Ah Battery Charger	FZRAEH	Tank Lid
FZRAEJ	Top Holster	FZRAFL	UV-Resistant 5-Foot Hose
FZRAEK	Bottom Holster	FZAAAQ	25° Fan Nozzle
FZRAEW	Tank Strainer	FZAAAP	0° Pin Stream Nozzle

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SKU	Name	SKU	Name	SKU	Name
FZRACK	Viton™ Tank Lid Gasket	FZAAFX	Gran Angular Nozzle	FZRAFI	Circuit Board
FZRAFP	Viton™ Hose Gasket	FZAAFY	110° Fan Nozzle (Yellow)	FZRAFO	Pump Assembly
FZRACL	Viton™ Pump Inlet Gasket	FZAAFV	110° Fan Nozzle (Green)	FZRAFD	Diaphragm Pump
FZAADZ	Flat Spray Nozzle	FZAAEA	Four Output Cone Nozzle	FZRACM	Pump Inlet Filter
FZAAFV	Dual Head Fan Nozzle	FZRAEG	Battery Cover		

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SKU	Name	SKU	Name	SKU	Name
FZRAAS	Stainless-steel Spray Wand	FZAAGB	Four Nozzle Boom	FZAADL	Quick-Connect to Female M18 Adapter
FZAADT	27.5" Standard Fiber Wand with Viton™ Seal	FZAAFZ	Two Nozzle Boom	FZAABC	Heavy-Duty Trolley
FZAADU	27.5" Standard Fiber Wand with EPDM Seal	FZRAAG	Extendable Two Nozzle Boom	FZAAAZ	Trolley & 20-Foot Extension Hose Kit
FZAADW	16.5' Telescopic Wand	FZAAHZ	Male M18 to Female M18 Adapter		



WARRANTY

WARRANTY COVERAGE

WESSOL, LLC warrants to the original purchaser that the FlowZone® product will function as intended under normal use and consistent maintenance, subject to certain limitations and exclusions. At the discretion of WESSOL, LLC, we will repair or replace any parts found to be defective in material or workmanship without charge, apart from shipping and handling costs, during the covered warranty period.

WARRANTY PERIOD

The warranty period will begin from the date of retail purchase and exist for one (1) year, regardless of when the unit is placed in service. The warranty period is not extended if we opt to repair or replace the product in question.

WARRANTY CLAIMS

WESSOL, LLC reserves the right to require the return of the defective product, proof of purchase, and established product registration to file a claim under this warranty.

PRODUCT REGISTRATION

All sprayers purchased from FlowZone or an authorized distributor must be registered online to validate the warranty and allow for warranty claim processing. Sprayers can be registered at fzspray.com/register.

To activate the warranty on your sprayer, register it at fzspray.com/register. If the product fails to function as intended **DO NOT RETURN IT TO THE STORE**. To view the complete warranty or submit a claim, visit fzspray.com/warranty.

EXCLUSIONS AND LIMITATIONS

WESSOL, LLC only warrants products purchased from authorized distributors. Products purchased from unauthorized resellers or distributors are not subject to warranty services.

The limited warranty does not cover damages, loss, or injury resulting from transportation, storage, accident, improper use, neglect, modifications, normal wear, or operation not in accordance with the instruction manual. WESSOL, LLC reserves the right to change the design or specifications of any product without obligation to modify previously produced units.

ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR CONSUMER USE, ARE LIMITED TO THE DURATION SPECIFIED ABOVE. WESSOL, LLC'S LIABILITY IS LIMITED SOLELY TO THE REPAIR OR REPLACEMENT OF THE NON-FUNCTIONING PRODUCT OR PART. WESSOL, LLC EXCLUDES LIABILITY UNDER THIS WARRANTY FOR ANY AND ALL INCIDENTAL AND CONSEQUENTIAL LOSS OR DAMAGE.

In no event shall WESSOL, LLC be liable for any incidental, special, consequential or punitive damages, or for any costs, attorney fees, expenses, losses or delays alleged to be as a consequence of any damage to, failure of, or defect in any product including, but not limited to, any claims for loss of profits.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.



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