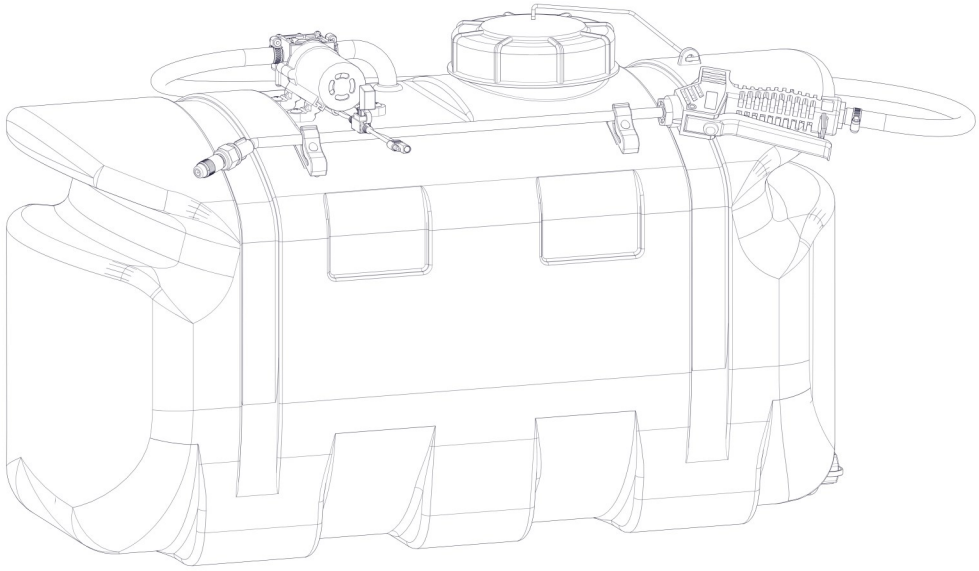
OWNER'S MANUAL

Model: CL-SP-25 (5303817)

(25 Gallon Lawn & Garden Spot Sprayer)



WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.

WARNING: Cancer and Reproductive Harm. **www.P65Warnings.ca.gov**

General Information

Thank you for purchasing this product. The purpose of this manual is to assist you in operating and maintaining your lawn & garden Spot sprayer.

BEFORE RETURNING THIS PRODUCT FOR ANY REASON, PLEASE CALL

1-800-831-0027

MONDAY-FRIDAY, 8:00 AM TO 5:00 PM CST

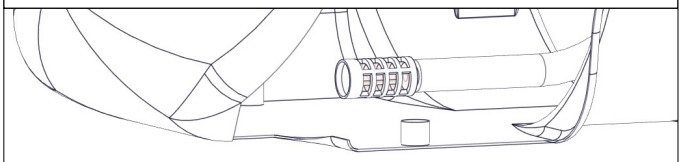
If you should have a question or experience a problem with your Fimco Industries Product: Visit our website @ www.fimcoindustries.com or call the Toll free number above. Our technical support representatives will be happy to help you. In most cases a customer service rep. can resolve the problem over the phone.

To obtain prompt, efficient service, always remember to give the following information....

- Correct Part Description and/or part number
- Model number and Serial Number

Part descriptions and numbers can be obtained from the illustrated parts list section(s) of this manual.

IMPORTANT REMINDER



IMPORTANT:

Occasionally check the strainer screen to ensure it is clean and clear of any debris, especially if experiencing a sudden loss of pressure. Strainer is located on the end of the intake hose, inside of the tank. Use protective gear when removing hose from tank and cleaning the strainer.

Retain a copy of your receipt for your unit, as it will be required to validate any warranty service.

Warranted against manufacturer or workmanship defects from date of purchase with copy of receipt:

Homeowner Usage: One Year.

Commercial Usage: 90 Days.

www.fimcoindustries.com

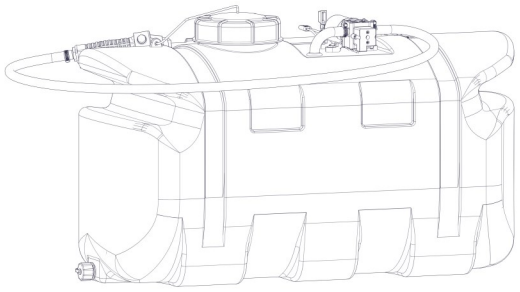
1000 FIMCO Lane, P.O. Box 1700, North Sioux City, SD 57049

Toll Free Phone: 800-831-0027 : Toll Free Fax: 800-494-0440

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Model: CL-SP-25 (5303817)

(25 Gallon Lawn & Garden Spot Sprayer)

Technical Specifications

- 25 Gallon Corrosion-Resistant Polyethylene Tank
- 12 Volt Diaphragm Pump, 1.0 GPM - 60 PSI
- Mid-Level Spray Wand with 15 Ft. Handgun Hose (3/8" I.D.)
- 12 Ft. max. vertical throw, 20 Ft. horizontal throw

Caution: Always check the vehicle load rating before using the sprayer.
The loaded weight of this sprayer is approx.: 235 lbs. when the tank is full.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~IMPORTANT~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Remove tank lid and be sure the tank is clean and free of any foreign material. Rinse tank out of any tank residue before filling with water to test.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~IMPORTANT~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

It is VERY important to test this sprayer with plain water before actual spraying is attempted. This will enable you to check the sprayer for leaks without the possibility of losing any expensive chemicals.

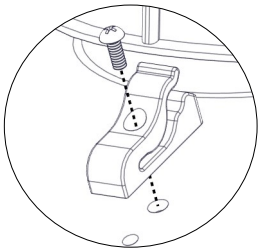
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~WARNING~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~



Read and Understand the Owner's Manual before using this sprayer. Test and use in accordance to instructions.
Read and Follow chemical label instructions and wear protective gear when filling, using, cleaning and servicing the sprayer.

Exercise Caution in vehicle handling when towing/hauling a filled sprayer to avoid loss of control or overturning.
Keep Sprayer and Spray materials away from other people, children and pets.
Do Not Turn on Power to the sprayer, until ready to spray in order to avoid unintentional spray release.
Do Not Use on steep slopes. A full sprayer could cause loss of control or overturn sprayer and vehicle.
Always operate up and down a slope, never across the face of a slope.
Keep all movement on slopes slow and gradual. Do not make sudden changes in speed, directions or turning. Do not start or stop suddenly when going uphill or downhill.
Stop on level ground, set the parking brake and shut off engine before leaving the operator's position for any reason.
Keep all parts in good condition and properly installed. Fix damaged or worn parts immediately.
Caution should be taken when towing and/or using any sprayer. This sprayer combined with the weight distribution, turning radius and speed of vehicle can result in damage to vehicle and/or sprayer or severe injury or death, if not used properly.
Improper use of this sprayer or handling of chemicals could result in serious injury or illness, or could cause damage to the environment.

Assembly Instructions



Your sprayer has been mostly assembled at the factory.

Attach the wand clips to the tank. Place a screw in the hole in the clip and bring up to the tank. Use a phillips head screwdriver to secure the holders in place.
Do Not Over-Tighten
Do not use excessive force when placing the handgun into the clips, as this could cause breakage.

Make sure all hose clamps are tight before testing or spraying for the first time.

One requirement will be for you to hook up your battery leads to a fully charged 12 Volt battery.

The drain plug assembly should already be attached to the tank

The Sprayer is now ready to TEST w/plain water before actual use

IMPORTANT: Remove tank lid and be sure the tank is clean and free of any foreign material. Rinse tank out of any tank residue before filling with water to test.

Testing the Sprayer

NOTE: It is important to test this sprayer for leakage and proper spray patterns with plain water before chemical application is attempted. This will also give you the opportunity to familiarize yourself with the operation of the sprayer.

Conditions of weather and terrain must be considered when setting the sprayer. Do not spray on windy days. Protective clothing must be worn in some cases

Be sure to read the chemical label(s) before application!

Operation

The pumping system draws solution from the tank, through the strainer and to the pump. The pump forces the solution under pressure to the handgun.

Fill the tank part way with water and then add the desired amount of chemical to be sprayed. Finish filling tank to proper level. **Only fill the tank with what you're going to spray in a day, never leave chemicals sit in tank.**

Connect the lead wire to a fully charged 12 volt battery. You may use either a stand-alone battery or the battery on your towing vehicle. Connect to the positive (red) terminal first, then connect to the negative (black) terminal. Then connect the end of the lead wire to the end of the pump. When disconnecting, disconnect the end of the pump wire from the lead wire, then disconnect the negative (black) connection and finally the positive (red) connection. The lead wire has an On/Off switch to activate the pump. "-" is on and "O" is off. Turn the pump on by depressing the "-" side of the rocker switch.
The pump will turn back on when the handgun lever is squeezed to spray.

- Activate the handgun by squeezing the handle lever
- Rotating the adjustable nozzle tip on the handgun will change tip pattern from a straight stream to a cone pattern (finer mist)

Tank Care & Maintenance

Warning: Do not use the tank as a container for fuel oils, kerosene, gasoline or any other petroleum distillate product. All polyolefins are softened and permeated by such products. In an enclosed area the vaporization of these materials from the outside surface of the tank could create a dangerous condition.

Tank should not be used as a pressure vessel nor used with chemicals or solutions having a weight of more than 12 pounds per gallon.

Store the tank in a dry dark place when not in use. Storage out of sunlight will prolong the life of the tank.

Do not drop, strike or kick the tank, especially at low temperatures. Tanks become brittle and are subject to cracking at temperatures below 20° Fahrenheit.

Always flush the tank with water and a neutralizing agent at the end of each use, to prevent contamination of solutions.

Maintenance During/After Spraying

Periodically check the strainer and clean the screen on your intake line.
If sprayer becomes clogged during use, discontinue use immediately. DO NOT attempt to service while chemicals are in the sprayer and power is connected.

Proper care and maintenance will prolong the life of your sprayer.

After use, drain the tank and store or dispose of chemical properly. Fill the sprayer half way with clean water. Start the pump and allow the water to pump through the entire plumbing system and nozzles. Drain and then refill half full, add the recommended amount of a good quality tank cleaner, such as FIMCO Tank Neutralizer and Cleaner. (If no tank cleaner is available, you may substitute dish soap for this step, about 1-2 oz. per gallon). But a neutralizer/cleaner should be used to thoroughly clean the system. Turn pump on and circulate through system for 15 minutes and then spray out through handgun nozzle. Refill sprayer half way with clean water and repeat. Follow the chemical manufacturer's disposal instructions of all wash or rinsing water.

If handgun nozzle needs cleaning, remove from the sprayer and soak in warm soapy water. Clean with a soft bristled brush or toothpick if necessary. Never use a metal object. Even the slightest damage can change the flow rate and spray distribution. Water rinse and dry the tips before storing.

WARNING: Some chemicals will damage the pump valves if allowed to soak untreated for a length of time! ALWAYS flush the pump as instructed after each use. DO NOT allow chemicals to sit in the pump for extended times of idleness. Follow the chemical manufacturer's instructions on disposal of all waste water from the sprayer.

Winter Storage

Prepare the sprayer for end-of-season storage by running RV antifreeze through the system. This will keep internal parts lubricated, protect against corrosion and keep the unit from freezing. *Note: RV antifreeze is non-toxic and biodegradable and generally safer for the environment than automotive antifreeze.*

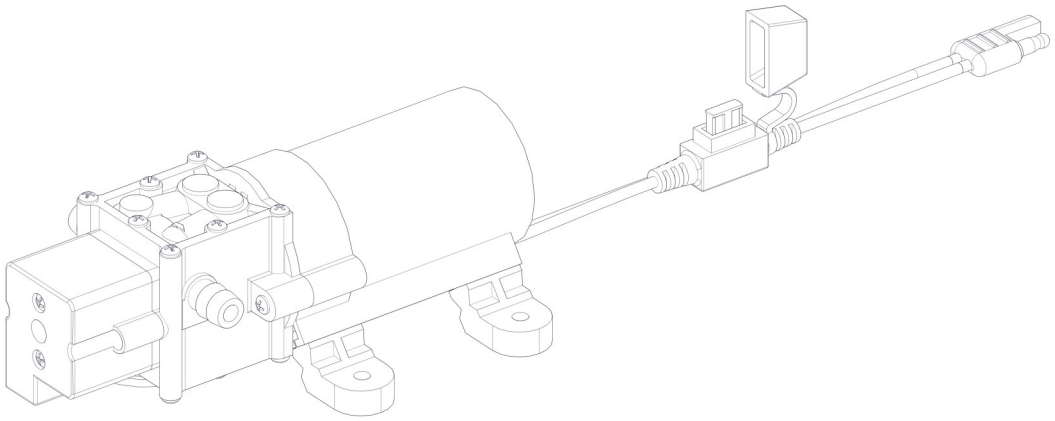
Before storing your sprayer for winter or long term storage, thoroughly clean and drain it as much as possible. Then pour enough pink RV antifreeze into the tank so that when the pump is turned on you can pump the antifreeze throughout the entire plumbing system, including the bypass. Make sure to operate the handgun until you see pink fluid spraying from the nozzle. Leave any remaining antifreeze in the tank. Before your next usage, rinse the antifreeze from the sprayer with clean water.

It is nearly impossible to drain all of the water from the sprayer and any trapped water can freeze in cold weather and damage parts of the sprayer. Pumping the antifreeze through the system will displace the water and help prevent this damage.

Removing from storage: drain the antifreeze. Fill the tank with fresh water and run through the system. Dispose of antifreeze and flush water properly.

Before Troubleshooting or Attempting to Service the Pump:

♦ **Review Troubleshooting Chart:** Do Not attempt to repair until steps below are followed.
♦ **Personal Protective Gear:** Wear protective gear when servicing pump.
♦ **Disconnect Power:** Disconnect the power to the pump and relieve the pressure from the system.
♦ **Empty and Flush** the pump system with water, never attempt to service the pump until it has been emptied and flushed.
♦ **Perform Repairs:** Follow directions provided in the troubleshooting section to repair the pump.
♦ **Test:** Always test the pump for leaks with plain water after any repairs before using.



DO

- Clean and rinse your pump after each use with Fimco Tank Neutralizer.
- Winterize your pump or sprayer by rinsing, draining and running RV Antifreeze through it before storing for the winter.
- Use clean water for your spray mixture.
- Store inside a building when not in use.

DON'T

- Use to pump bleach.
- Use to pump petroleum products such as diesel fuel, gasoline or kerosene.
- Use to pump chemicals w/petroleum distillates or surfactants.
- Use to store flammable or combustible liquids.
- Leave your pump sit with spray mixture in it for extended periods.
- Use dirty or unfiltered water for spraying.

WARNING

DO NOT USE PUMP IN AN EXPLOSIVE ENVIRONMENT. DO NOT USE TO PUMP FLAMMABLE/COMBUSTIBLE FLUIDS, GASOLINE, KEROSENE, FUEL, OIL, ETC.

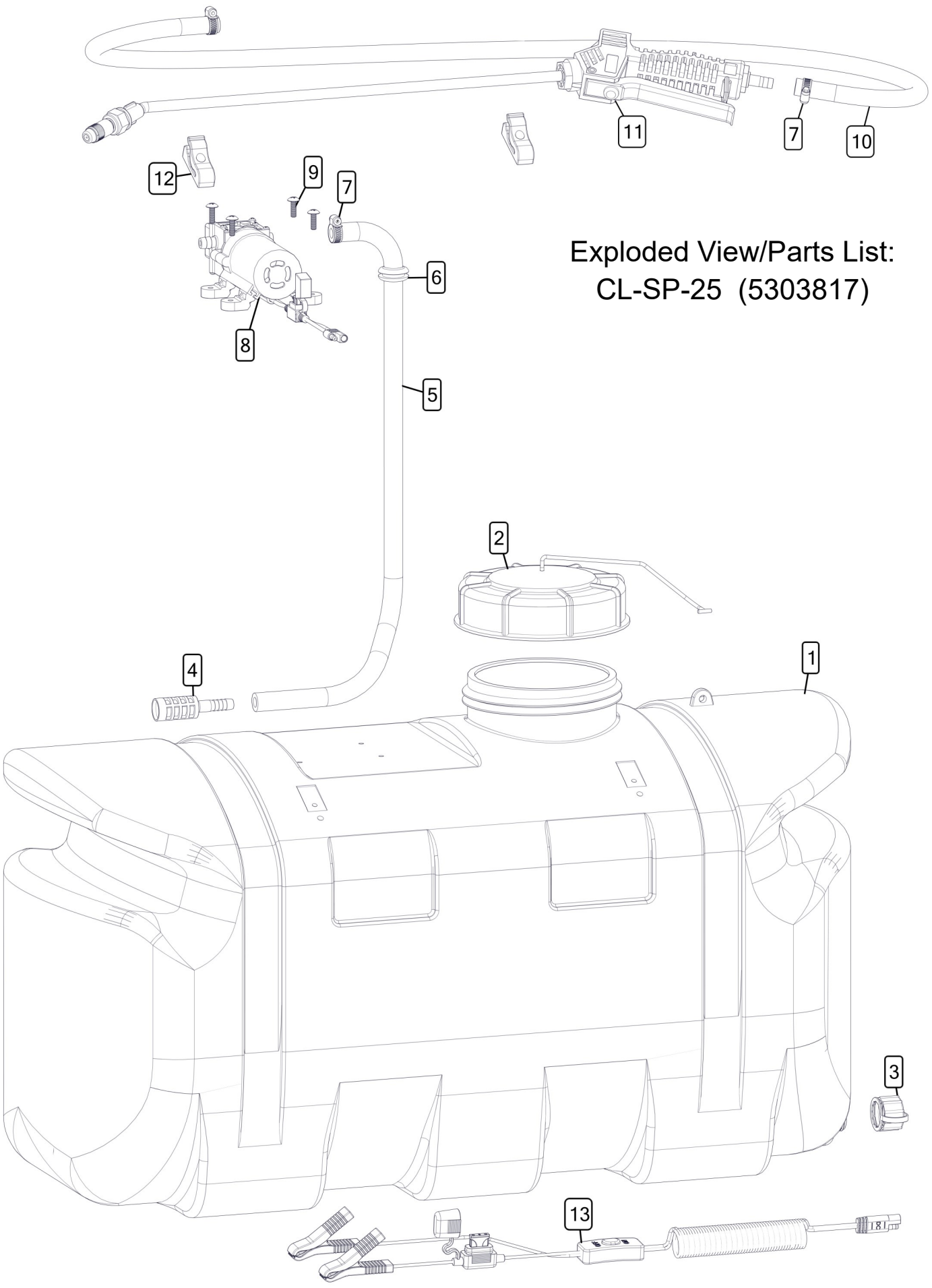
CAUTION

PRESSURE SWITCH OPERATION

Pressure switch is pre-set at the factory. Improper adjustment of the pressure, may cause severe overload or premature failure. If pump is subjected to rapid cycling during normal operations or infrequent periods, damage may occur.

Pump will not run:	Check for loose wiring
	Make sure lead wire ON/OFF switch is on
	Check the fuse
	Check for Low Voltage
Pump Does Not Prime:	Check for clogged strainer/filter
	Check for empty product supply
	Check for cracks in the pump housing
	Check for air leaks in supply line
Low Pressure/ Low Flow:	Check for a clogged strainer
	Check for proper voltage
	Try another 12-Volt battery
	Check for leaks in the discharge line
	Check for restrictions in the discharge line
	Check for debris in intake
	Check for debris in nozzle orifice

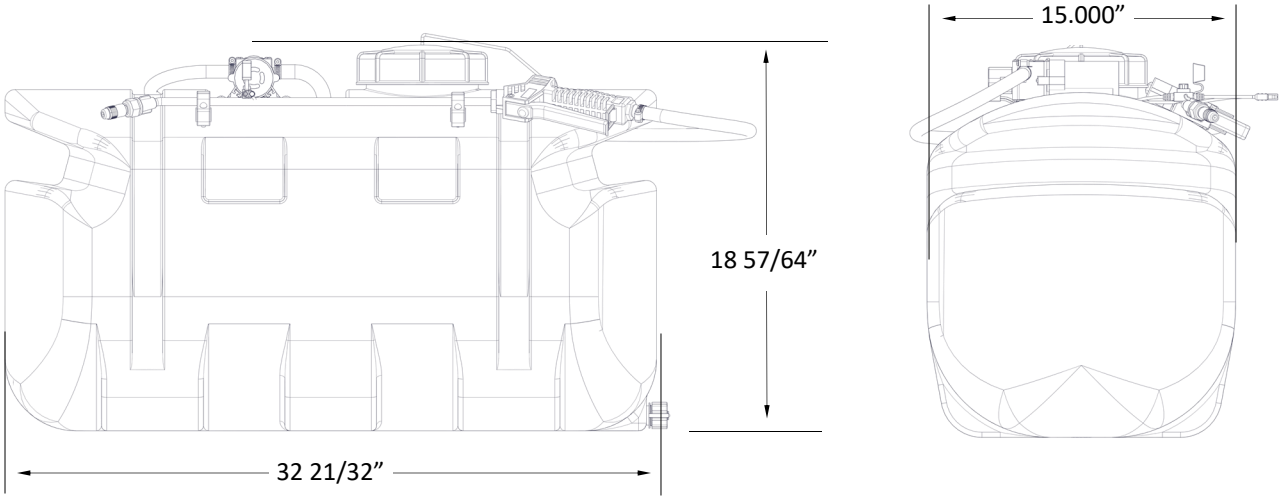
Pump Surges: (Pulsating)	Low flow may cause pump to surge
	Spray Wand is adjusted to small or fine of a spray pattern
	Check for leaks in the discharge line
	Check for restriction in the discharge line
	Check for debris in nozzle orifice
	Discharge hose may be too long
	Check for clogged strainer/filter
Pump continues to run after discharge is closed:	Check for empty product supply
	Check for Low Voltage
	Check for leaks in the discharge line
	System has leaks
Fuse blows:	Excessive voltage
	Damaged or defective wiring harness



Exploded View/Parts List:
CL-SP-25 (5303817)

Ref. #	Part #	Description	Qty
1	5169368	25 Gallon Tank (White) (No Bottom Inserts)	1
2	5058188	Tank Lid w/Lanyard	1
3	5274373	Drain Plug Assembly	1
4	5116454	3/8" Hose Barb Suction Strainer	1
5	5020251	Hose, 3/8"-1 Brd. x 24"	1
6	5075022	Grommet (5/8" I.D.)	1
7	5051144	Hose Clamp (3/8")	3
8	5281560	1.0 GPM 12V Diaphragm Pump	1
9	5117167	#10-24 x 0.625 PH Truss Head Screw	4
10	5020524	Hose, 3/8"-1 Brd. x 15 Ft.	1
11	5163155	Mid-Level Spray Wand	1
11.1	5018330	Handgun Tip (X-26)	1
12	5274880	Wand Clips & Screws (Pkg/2)	1
13	5278017	Lead Wire w/5A Fuse (96" Long)	1

Approx. Dimensions:



Warranty

LIMITED WARRANTY FOR NEW FIMCO, IND. EQUIPMENT

WHO MAY USE THIS LIMITED WARRANTY. This limited warranty (the "Limited Warranty") is provided by Fimco, Ind. to the original purchaser ("you") of the Equipment (as defined below) from Fimco, Ind. or one of Fimco, Ind.'s authorized dealers. This Limited Warranty does not apply to any subsequent owner or other transferee of the Equipment. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

WHAT THIS LIMITED WARRANTY COVERS AND FOR HOW LONG. Fimco, Ind. warrants that any new Equipment will be free from defects in material and workmanship for a period of **one (1) year** (homeowner), **90 days** (commercial user), after delivery of the Equipment to you (the "Warranty Period"). The Warranty Period is not extended if Fimco, Ind. repairs or replaces the Equipment.

WHAT IS NOT COVERED BY THIS LIMITED WARRANTY. This Limited Warranty does not apply to: (1) used Equipment; (2) any Equipment that has been altered, changed, repaired or treated since its delivery to you, other than by Fimco, Ind. or its authorized dealers; (3) damage or depreciation due to normal wear and tear; (4) defects or damage due to failure to follow Fimco, Ind.'s operator's manual, specifications or other written instructions, or improper storage, operation, maintenance, application or installation of parts; (5) defects or damage due to misuse, accident or neglect, "acts of God" or other events beyond Fimco, Ind.'s reasonable control; (6) accessories, attachments, tools or parts that were not manufactured by Fimco, Ind., whether or not sold or operated with the Equipment; or (7) rubber parts, such as tires, hoses and grommets.

HOW TO OBTAIN WARRANTY SERVICE. To obtain warranty service under this Limited Warranty, you must (1) provide written notice to Fimco of the defect during the Warranty Period and within **thirty (30)** days after the defect becomes apparent or the repair becomes necessary, at the following address: Fimco, 1000 Fimco Lane, North Sioux City, SD 57049; and (2) make the Equipment available to Fimco or an authorized dealer within a reasonable period of time. For more information about this Limited Warranty, please call: **800-831-0027**

WHAT REMEDIES ARE AVAILABLE UNDER THIS LIMITED WARRANTY. If the conditions set forth above are fulfilled and the Equipment or any part thereof is found to be defective, Fimco, Ind. shall, at its own cost, and at its option, either repair or replace the defective Equipment or part. Fimco, Ind. will pay for shipping and handling fees to return the repaired or replacement Equipment or part to you.

LIMITATION OF IMPLIED WARRANTIES AND OTHER REMEDIES. THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES, AND FIMCO, IND.'S SOLE LIABILITY, FOR ANY BREACH OF THIS LIMITED WARRANTY. TO THE EXTENT APPLICABLE, ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE WARRANTY PERIOD, AND THE REMEDIES AVAILABLE FOR BREACH THEREOF SHALL BE LIMITED TO THE REMEDIES AVAILABLE UNDER THIS EXPRESS LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN NO EVENT SHALL FIMCO, IND.'S LIABILITY UNDER THIS LIMITED WARRANTY EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE EQUIPMENT, NOR SHALL FIMCO, IND. BE LIABLE, UNDER ANY CIRCUMSTANCES, FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.