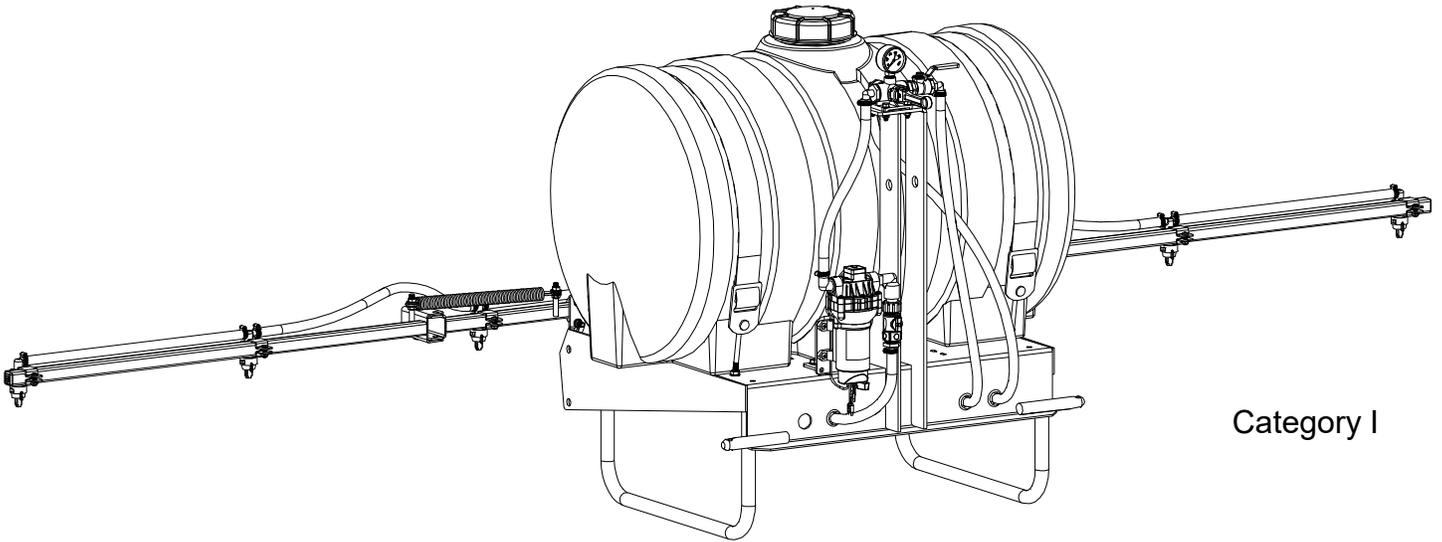


OWNER'S MANUAL

Model: LG-55-3PT-12V (5300845)
(55 Gallon 3 Point Sprayer & 7-Nozzle Boom Assembly)



Category I

General Information

Thank you for purchasing this product. The purpose of this manual is to assist you in operating and maintaining your 3-Point 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.

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: Sprayer-One Year and Pump-Two Years.

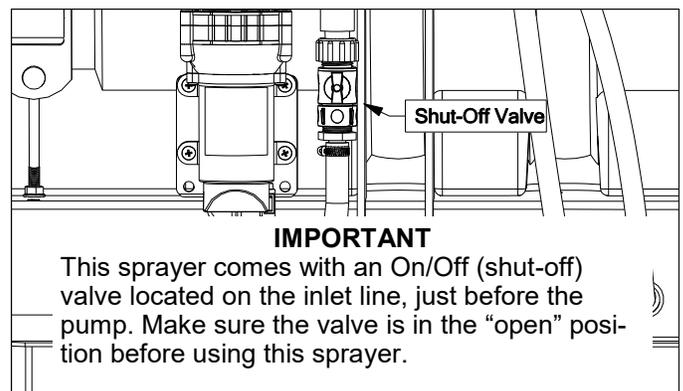
Commercial Usage: Sprayer and Pump-90 Days.



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



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



IMPORTANT

This sprayer comes with an On/Off (shut-off) valve located on the inlet line, just before the pump. Make sure the valve is in the "open" position before using this sprayer.



www.fimcoindustries.com

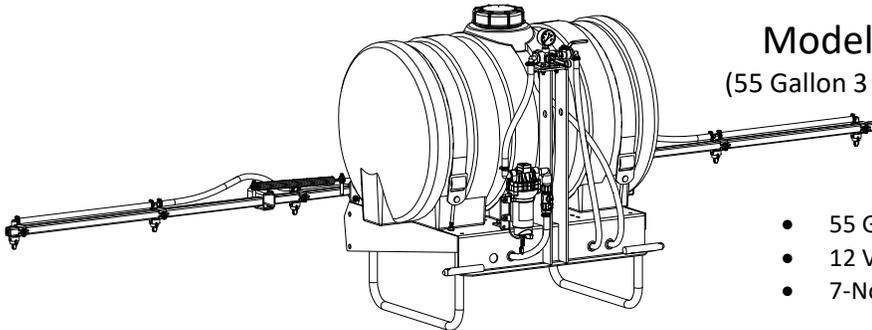
1000 FIMCO Lane, P.O. Box 1700, North Sioux City, SD 57049
Toll Free Phone: 800-831-0027 : Toll Free Fax: 800-494-0440

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Model: LG-55-3PT-12V (5300845)
(55 Gallon 3 Point Sprayer & 7-Nozzle Boom Assembly)

Technical Specifications

- 55 Gal. Corrosion-Resistant Polyethylene Tank
- 12 Volt Diaphragm Pump, 2.4 GPM - 60 PSI
- 7-Nozzle Boom, 140" Spray Coverage

CAUTION: When fully filled with water, this sprayer will weigh approx. 640 Lbs.
Always check the vehicle load rating before using this sprayer. Do not exceed the recommended rating.

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

Most of the sprayer has been assembled at the factory. Follow the instructions below to complete assembly.

Join the center boom member to the carrier frame with the (2) u-bolts and (4) whiz nuts provided. Make sure the outer boom members fold 'backwards'. See exploded view later in this manual for reference.

Attach the boom feeder hose to the boom after routing it through the underside of the carrier frame as needed. Secure in place with a hose clamp provided.

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

IMPORTANT:

It is important that you test your 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.

Information About the Sprayer

In this pump system, solution is drawn from the tank and forced to a planned source, such as boom nozzles.

The 'directo-valve' is the on/off control which allows the operator to manually control the solution going to the boom.

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.

Add water to the tank and drive to the starting place for spraying. When you are ready to spray, position booms for spraying and turn the boom valve to the "on" position. This will start solution spraying from the tips of the boom. The pressure will decrease slightly when the boom is spraying. Adjust the pressure by turning the "ON/OFF" valve lever on the bypass line valve.

Read the operating instructions and initially begin spraying by closing the 'bypass' valve and opening the boom line valve. This will enable the air in the line to be eliminated (purged) through all the tips, while building pressure. When everything tests all right (no leaks and good pressure), add the desired chemicals to the mixture and water combination and start your spraying operation. Adjust the pressure and spray as you did in the testing procedure.

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 or boom nozzles.

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 is equipped with a pressure switch that is pre-set at the factory to shut the pump off when all discharges are closed.

The pump will turn back on when one of the following actions occurs: the handgun lever is squeezed to spray the handgun, or the boom valve is opened to broadcast spray with the boom, or the bypass valve is opened to re-circulate solution back into the tank.

When spraying with either the boom or the handgun, pressure may be reduced by slowly opening the bypass valve until desired pressure is achieved. Opening the valve decreases pressure, closing the valve increases pressure. When spraying with the boom, the proper method to set the pressure is to open the boom valve completely and if a lower pressure is desired, then slowly open the bypass valve until that pressure is obtained.

For the safest and most efficient chemical application, you will need to calibrate your sprayer using the tip and speed charts. Once you have determined the proper speed and pressure settings, you will need to consult your chemical label for the amount of chemical to be added to the tank. Read the entire label. Use only according to label directions.

The tips supplied as standard with the sprayer can be used for a wide variety of spraying applications. Other tip sizes are available for different coverages. The speed and pressure charts shown indicate the rates can be changed considerably by changing speed and pressure. The nozzles on the boom will spray a 140" wide swath. The proper nozzle height is a minimum of 16"-18" above the object being sprayed. The pumping system draws solution from the tank through the strainer/filter and to the pump. The pump forces the solution under pressure to the handgun and/or boom nozzles.

Calibration

Chemical labels may show application rates in gallons per acre, gallons per 1000 square feet or gallons per 100 square feet. You will note that the tip chart shows 2 of these rating systems. Once you know how much you are going to spray, then determine (from the tip chart) the spraying pressure (PSI), and the spraying speed (MPH).

Determining the proper speed of the pulling vehicle can be done by marking off 100, 200 & 300 feet. The speed chart indicates the number of seconds it takes to travel the distances. Set the throttle and with a running start, travel the distances. Adjust the throttle until you travel the distances in the number of seconds indicated by the speed chart. Once you have reached the throttle setting needed, mark the throttle location so you can stop and go again, returning to the same speed.

Add water and proper amount of chemical to the tank and drive to the starting place for spraying.

AIXR11002VP Spray Tip Rate Chart (20" Spacing)										
	Pressure (psi)	Capacity (GPM)	1 MPH	2 MPH	3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH
Gallons Per Acre Based on Water	15	.12	35.6	17.8	11.8	8.9	7.1	5.9	4.5	3.6
	20	.14	41.6	20.8	13.8	10.4	8.3	6.9	5.2	4.2
	30	.17	50.4	25.2	16.8	12.6	10.1	8.4	6.3	5.0
	40	.20	59.6	29.8	19.8	14.9	11.9	9.9	7.4	5.9
Gallons Per 1000 Sq. Ft. Based on Water	15	.12		.41	.27	.20	.16			
	20	.14		.48	.32	.24	.19			
	30	.17		.58	.39	.29	.23			
	40	.20		.68	.45	.34	.27			

Speed Chart			
Speed in M.P.H. (Miles Per Hour)	Time Required in seconds to travel a distance of		
	100 Ft.	200 Ft.	300 Ft.
1.0	68 sec.	136	205
2.0	34	68	102
3.0	23	45	68
4.0	17	34	51
5.0	14	27	41
6.0	11	23	34
7.0	9.7	19	29
8.0	8.5	17	26
9.0	7.6	15	23
10.0	6.8	14	20

Using the Boom Nozzles

Four things must be considered before spraying with the boom.

1. How much chemical must be mixed in the tank.
 2. Rate of spray (gallons per acre to be sprayed).
 3. What pressure (p.s.i.) will be used.
 4. Speed traveled (mph) while spraying.
- * Refer to the chemical label to determine your chemical mixture
 - * See the tip chart to determine the pressure to be used. The chart will also show the speed used when spraying.
 - * Start the pump and open the valve to the boom nozzles.
 - * Check the spray pattern. Usually you can see the coverage better on a solid concrete surface, such as a driveway.
 - *

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. Never allow chemical to sit in the sprayer or pump for long periods of time. 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 boom and handgun nozzles. Refill sprayer half way with clean water and repeat. Follow the chemical manufacturer's disposal instructions of all wash or rinsing water.

If boom or handgun nozzles need cleaning, remove them 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 boom and handgun until you see pink fluid spraying from the nozzles. 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.

Tank Care & Maintenance

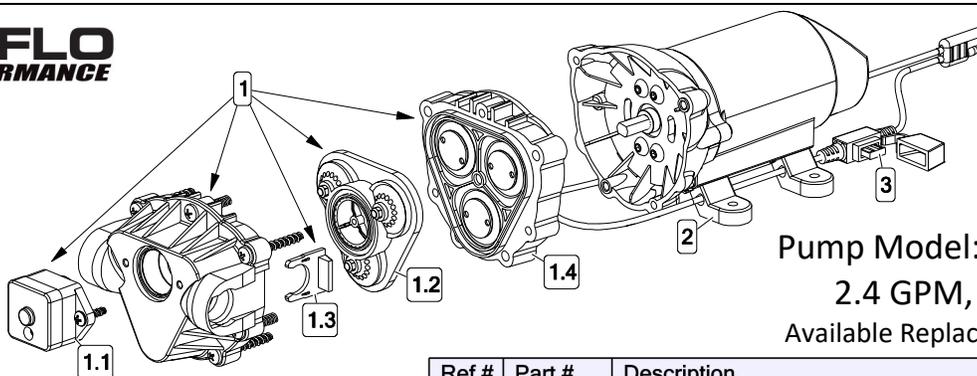
Warning: Do not use the tank as a container for fuel oils, kerosene, gasoline or any other petroleum distillate product. All polyolefins are softened and permeated by such products. In an enclosed area the vaporization of these materials from the outside surface of the tank could create a dangerous condition.

The 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.

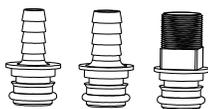
HIGHFLO
HIGH PERFORMANCE



Pump Model: 5281371
2.4 GPM, 60 PSI
Available Replacement Parts

Replacement Pump: 5151087

Includes: 3/8" Hose Barb Port Kit Fitting #5168836
1/2" Hose Barb Port Kit Fitting #5168833
1/2" MNPT Port Kit Fitting #5168832



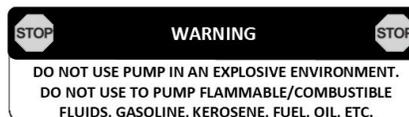
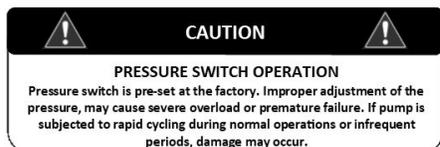
Ref #	Part #	Description	Qty
1	5164273	2.4 GPM Upper Housing	1
1.1	5157202	60 PSI Pressure Switch Assembly	1
1.2	5143544	Check Valve Assembly	1
1.3	5051162	Pump Slide Clips (Pkg/2)	1
1.4	5063270	2.4 GPM Diaphragm /Piston/Cam/Bearing Kit	1
2	5095202	Pump Mount Feet (4 Pack)	1
3	5164274	10 Amp 'Mini Blade' Fuse	1



- 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.



- 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.
- Leave pump sit with spray mixture in it for extended periods.
- Use dirty or unfiltered water for spraying.



Troubleshooting

Pump will not run:	Check for loose wiring	Pump surges:	Low flow may cause pump to surge	
	Make sure the ON/OFF switch is on		Spray Wand is adjusted to small or fine of a spray pattern	
	Check the fuse		Check for defective pressure switch	
	Check for defective pressure switch		Check for leaks in the discharge line	
	Check to see if connected to good 12 Volt Power Source		Check for debris in nozzle orifice	
	Check for Low Voltage		Discharge hose may be too long	
Pump Does Not Prime (No Discharge w/Motor Running)	Check for clogged strainer/filter		Check for clogged strainer/filter	Check for worn or dirty check valve
	Check for kinked inlet/outlet hoses		Slightly open bypass (if applicable) to overcome	Pressure switch may need to be adjusted 1/4 turn at a time clockwise until surging stops
	Check for empty product supply		Check for Low Voltage	Check for worn or dirty check valve
	Check for defective check valve		Check for leaks in the discharge line	Check for empty product supply
	Check for debris in the check valve assembly		Check for defective pressure switch	System has leaks
	Check for cracks in the pump housing		Check for air leaks in supply line	Air trapped in outlet line or pump head
Low Pressure/ Low Flow:	Check for a clogged strainer	Pump continues to run:	Excessive voltage	
	Check for proper voltage Try another 12-Volt battery		Improper adjustment of pressure switch	
	Check for leaks in the discharge line		Damaged or defective wiring harness	
	Check for restrictions in the discharge line		Defective pressure switch	
	Check for debris in intake			
	Check for debris in nozzle orifice			
	Check for worn or dirty check valve			

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** 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.

Motor is NOT Running - Checking the Pressure Switch:

If motor is not running and you've checked the following: for loose wiring connections, fuse, switch on lead wire was "ON" and made sure you were connected to a fully charged battery but the motor won't run, then it's time to check to see if the pressure switch is bad.

- Remove the cover off the 1" square box (pressure switch) on the head of the pump, the cover is held on by one phillips-head screw. This will expose the two red wires.
- With the pump connected to a good 12 volt power source and everything on.
- Slip the two red wires off the terminals and touch them together.

- ◆ If motor runs, it means the pressure switch is bad and needs to be replaced.
- ◆ If motor still doesn't run, try bypassing the switch in the lead wire or using another lead wire. Even if a tester shows power to the pressure switch, still try this test.

Warning: It is NOT recommended to run the pump this way, as the pump will continue to run and not shut off.

This could result in blown hoses when all discharges are closed or premature failure of the pump completely.

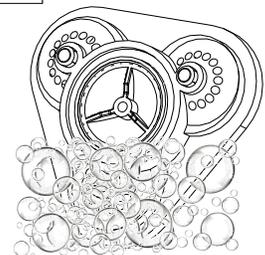
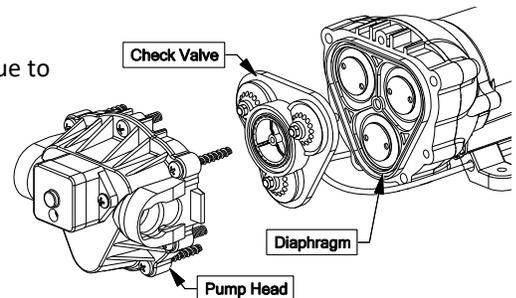
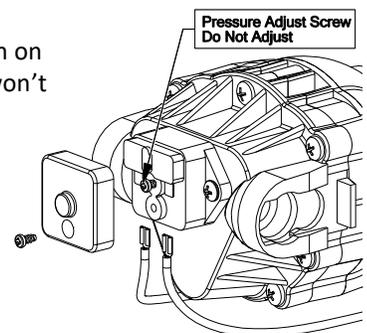
Motor Running-No Pressure - - Cleaning the Check Valve:

Experiencing little to no pressure or pump is not priming and filter screen is clean and plumbing is good with no leaks, you may need to clean the check valve.

- Remove the head of the pump, which is held on by 7 screws.
- First part inside the head of the pump is the check valve, this part responsible for building up pressure and pumping water/solution through the lines.
- Clean the check valve under hot, soapy water (such as a good grade dish soap).
- Lightly scrub, if needed, with something like an old toothbrush, something with soft bristles.
- Let soak for about an hour or so in the hot soapy solution, replace in the pump and reassemble.

Most times this will restore most, if not all of the prime of a pump.

If still having issues with pressure after this step, it would be recommended to replace this part.



Sprayer and Pump FAQs:

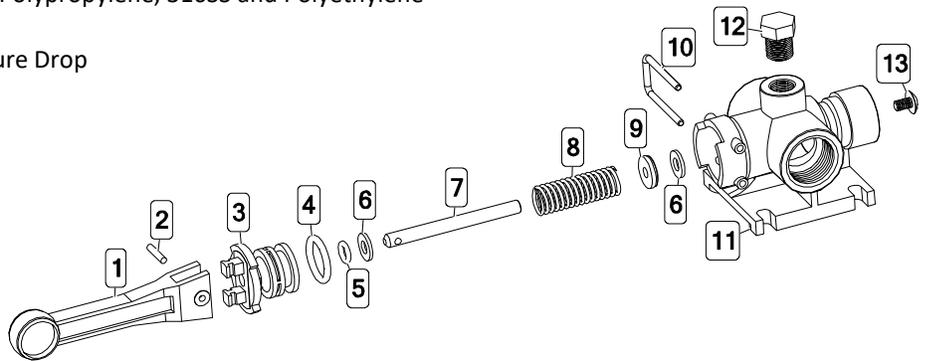
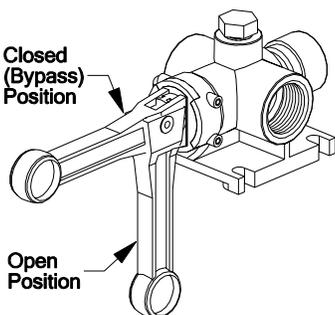
- ◆ **Why does the pump not run all the time?**
This is an on-demand pump and only runs when a discharge is open (spray gun, bypass, boom (if applicable) or a leak in system).
- ◆ **Why does the pump surge while using the spray gun?**
Low flow/high pressure may cause the pump to surge (or cycle). Typically the spray wand is adjusted at too fine of a mist, to overcome, adjust the nozzle for a higher flow.
- ◆ **How do I adjust the pressure?**
Pressure can only be adjusted by opening the pressure adjust (bypass) valve to allow some of your water or solution to return to the tank (if equipped).
- ◆ **Pump quit and will not run, what do I need to do?**
Squeeze trigger on spray gun to ensure that the system isn't just pressurized up with discharges closed.
Check electrical connections, ensure switch is on. Check fuses. Check for proper voltage. Check pressure switch.
- ◆ **Low flow or no flow at all, what do I need to check for?**
Check for a clogged intake hose and/or intake strainer. Check for proper voltage.
You will need to occasionally check your intake strainer to ensure that it is clean of any debris.
- ◆ **What is causing the fuse to blow each time I turn the pump on?**
Check for excessive voltage. Improper adjustment of the pressure switch. Damaged or defective wire harness or defective pressure switch.

Warning:

Ensure the wiring harness does not become pinched or damaged in any way. This may damage the pump or cause the wiring harness to overheat, resulting in a melt down or fire.

‘Directo Valve’ - Manually Operated Control Valve

- Corrosion Resistant Materials: Wetted Parts Polypropylene, 316SS and Polyethylene
- Maximum Pressure = 150 p.s.i.
- Large Capacity - 12.5 G.P.M. @ 5 p.s.i. Pressure Drop
- 3/4" NPT (F) Inlet Connection
- 1/2" NPT (F) Spray Line Connection
- 3/4" NPT (F) Continuous By-Pass Connection
- Valves may be connected w/close nipples for multiple section spray control

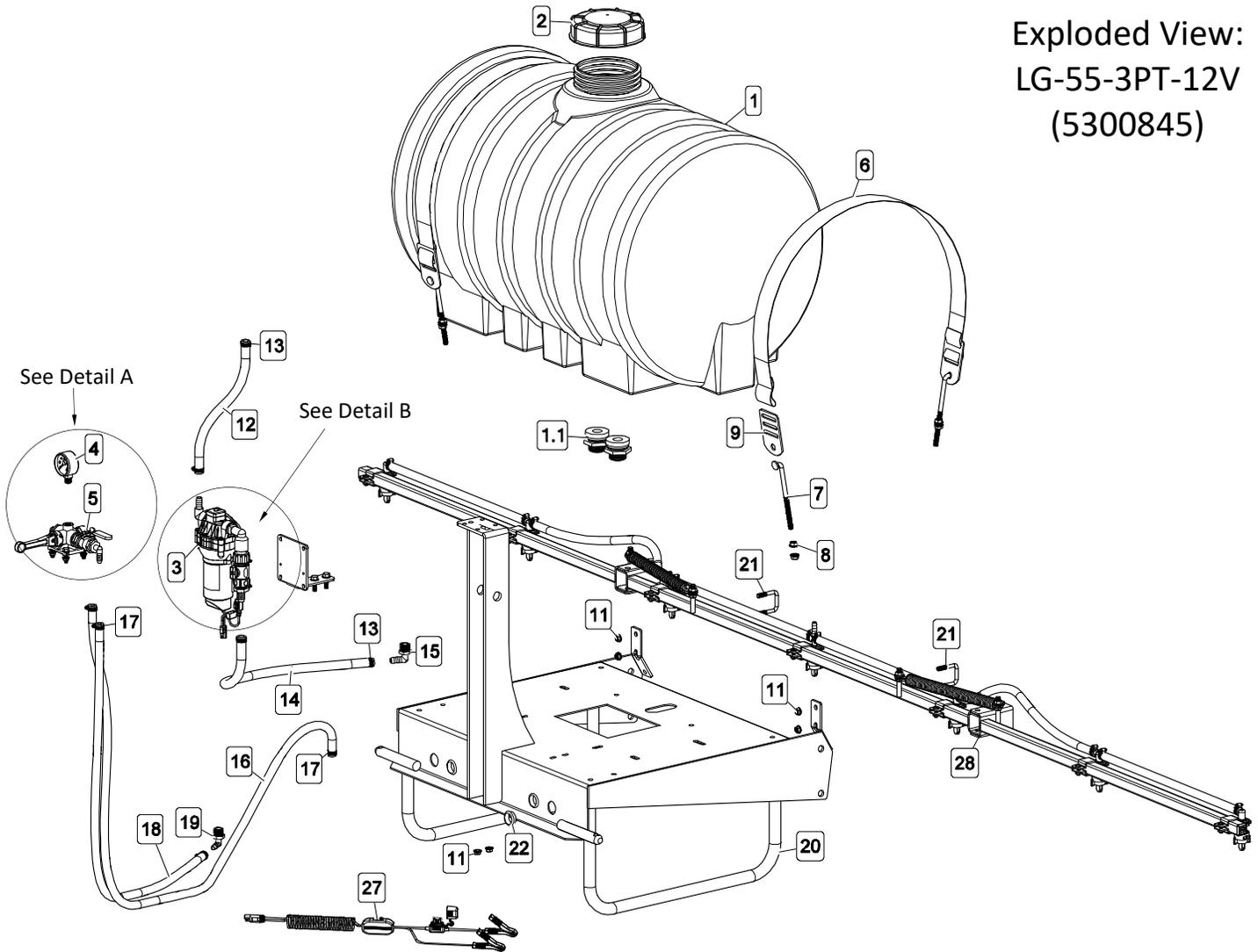


Ref. #	Part #	Mfg. Part #	Description	Qty
1	5078178	CP36301-NY	Handle (Gray)	1
2	5101220	CP36308-SS	Groove Pin	1
3	5086043	CP36302-PP	Poly Body Insert, (Black)	1
4	**	CP7717-2/209-VI	O-Ring, Viton	1
5	**	CP7717-2/108-VI	O-Ring, Viton	1
6	◆◆	CP36307-PPB	Washer	2
7	◆◆	CP36304-SS	Stem	1
8	◆◆	CP36306-302SS	Spring	1
9	**	CP38726-VI	Shut-Off Washer, Viton	1
10	◆◆	CP36309-302SS	Retaining Clip	1
11	5002476	CP36303-PP	Poly Body (AA6B)	1
12	5102022	F14	Pipe Plug, 1/4" MNPT	1
13	5117281	CP38725-SS	#10-24 x 5/16" Phillips Truss Head Mach. Screw	1

Fimco #	Mfg. Part #	Description
5143316	AA6B	Directo-Valve (AA6B)
5168718	PK-AB6B-KIT	Repair Kit, Items Marked * *

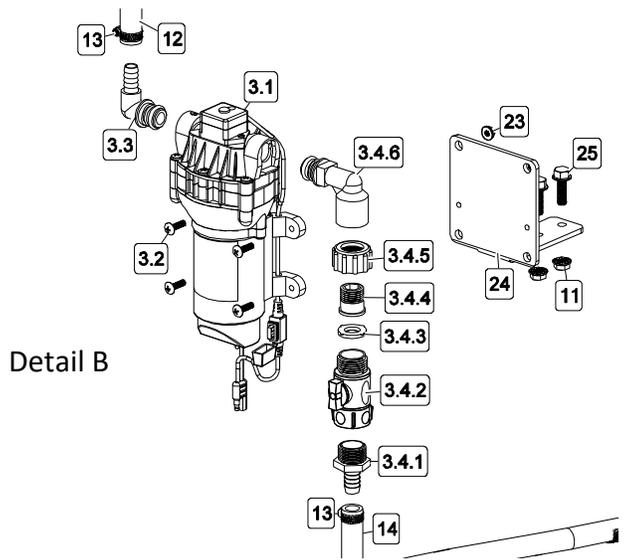
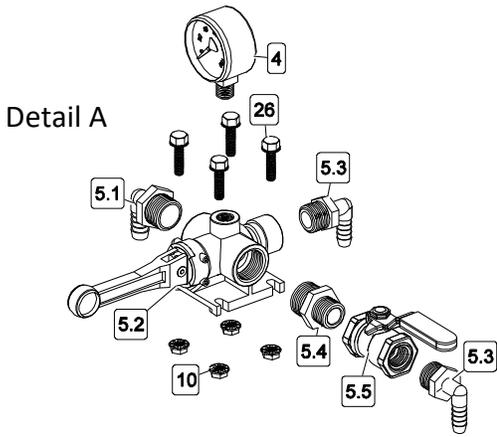
** Available only in Repair Kit
◆◆ Only Available in Complete Assembly

Exploded View:
LG-55-3PT-12V
(5300845)



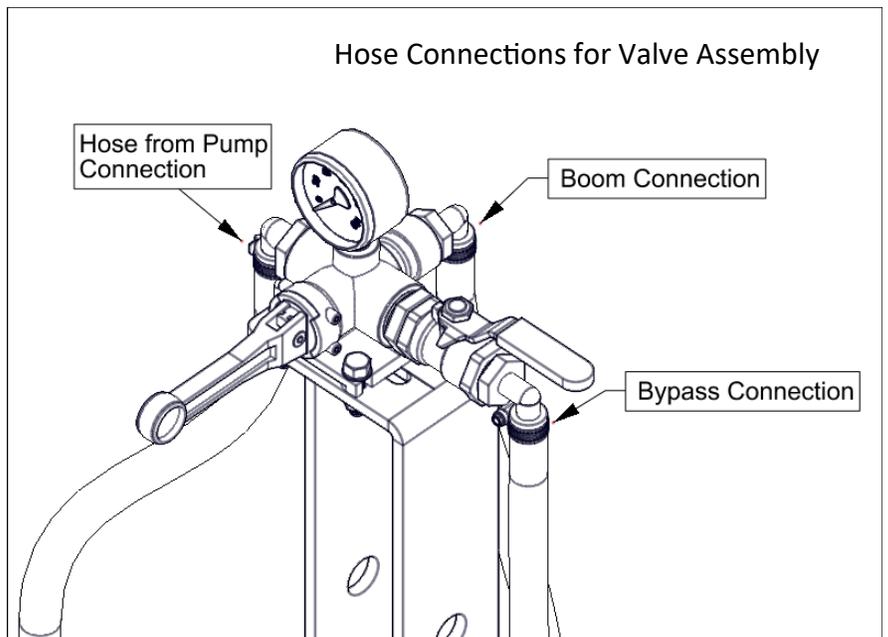
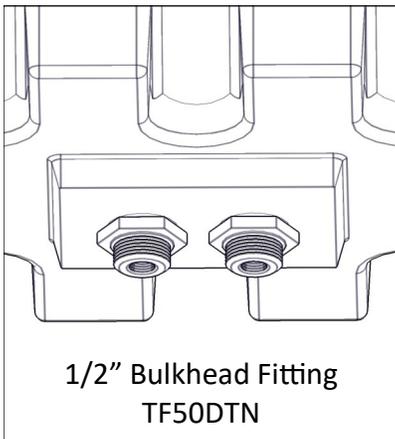
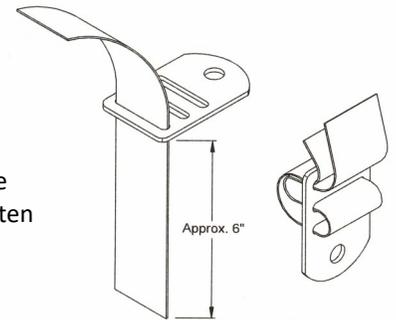
Ref. #	Part #	Description	Qty
1	5169247	55 Gallon Leg Tank, White, w/Fittings	1
1.1	TF50DTN	1/2" Bulkhead Fitting Assembly	2
2	5058189	5" Lid (NO Lanyard)	1
3	5275146	Pump SubAssembly	1
3.1	5281371	2.4 GPM, 60 PSI, 12V Pump	1
3.2	5117176	#10-24 x 3/4" PH Truss Head Screw	4
3.3	5010426	90° Port Elbow x 1/2" HB	1
3.4	5275570	Filter/Valve Sub-Assembly	1
3.4.1	5067121	Poly Hose Fitting, 3/4" MGHT 1/2" HB	1
3.4.2	5143419	Swivel Shut-Off	1
3.4.3	5116242	Strainer, 1" Filter Washer	1
3.4.4	5005287	Poly Swivel Adapter Spud, 1/2" NPT	1
3.4.5	5006209	Poly Knurled Swivel Nut, 3/4" FGHT	1
3.4.6	5010430	Port Kit Elbow, 1/2" FNPT	1
4	5167007	Pressure Gauge, 0-100 PSI	1
5	5277753	Valve Sub-Assembly	1
5.1	5010207	Poly Elbow, 3/4" MNPT x 1/2" HB	1
5.2	5143316	Directo-Valve (AA6B)	1
5.3	5010202	Poly Elbow, 1/2" MNPT x 3/8" HB	2
5.4	5011147	Reducing Nipple, 3/4" MPT x 1/2" MPT	1
5.5	5143197	1/2" T-800 Brass Ball Valve	1
6	5133100	Nylon Strap, 60"	2
7	5034734	3/8" x 6" Hook Bolt	4

Ref. #	Part #	Description	Qty
8	5006259	3/8-16nc Hex Fling Whiz Nut	8
9	5108042-CNC	Tank Strap Buckle, Straight	4
10	5006306	1/4-20nc Hex Fling Whiz Nut	4
11	5006307	5/16-18nc Hex Fling Whiz Nut	6
12	5020034	Hose, 1/2"-1 Brd. x 15"	1
13	5051114	Hose Clamp, 1/2"	4
14	5020576	Hose, 1/2" (2SP) x 26"	1
15	5010203	Poly Elbow, 1/2" MNPT x 1/2" HB	1
16	5020134	Hose, 3/8"-1 Brd. x 60"	1
17	5051144	Hose Clamp, 3/8"	4
18	5020538	Hose, 3/8"-1 Brd. x 43"	1
19	5010202	Poly Elbow, 1/2" MNPT x 3/8" HB	1
20	5273023-RED	LG-55 3-Point Weldment	1
21	5034159	Square U-Bolt, 5/16" x 1 5/16" x 1 7/8"	2
22	5041105	Snap Bushing	3
23	5006186	#10-24 Hex Fling Whize Nut, ZP	4
24	5017929-BLK	Backing/Mounting Plate	1
25	5117300	H.H.C.S. Fling 5/16"-18nc x 1"	2
26	5117301	H.H.C.S. Fling 1/4"-20nc x 1"	4
27	5278114	Lead Wire w/15A Fuse (96" Long)	1
27.1	5157238	15 Amp Regular Blade Fuse	1
28	5301897	7-Nozzle Boom Assembly	1



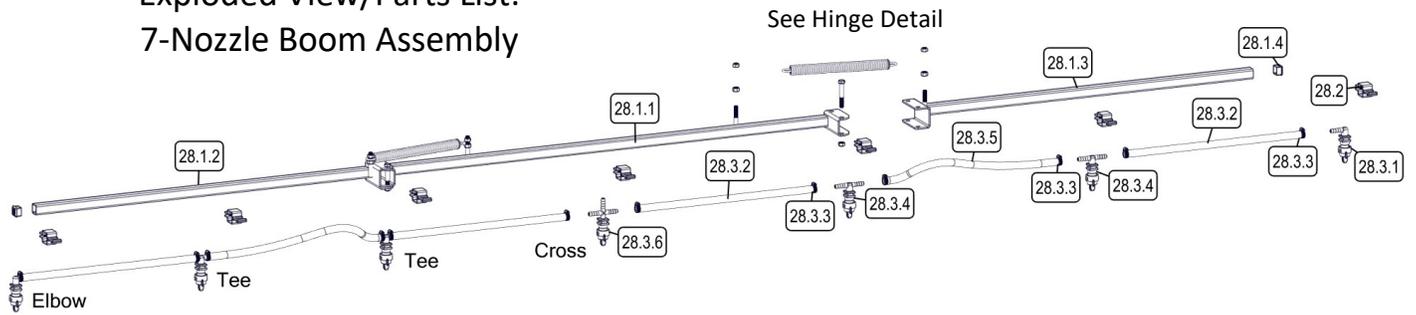
Strap/Buckle Detail
Strap Attachment to a "Flat" Buckle

The nylon straps are to be inserted in and out of the slots in the buckle, as shown. Be sure the straps are snug before tightening the hook bolts. In most cases, it will be necessary to re-tighten the straps after filling the tank with liquid.

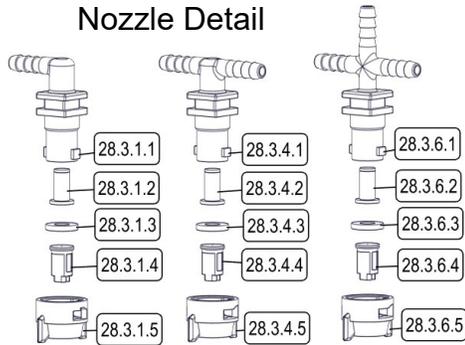


Exploded View/Parts List: 7-Nozzle Boom Assembly

Opposite side has typical hardware setup



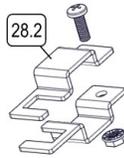
Nozzle Detail



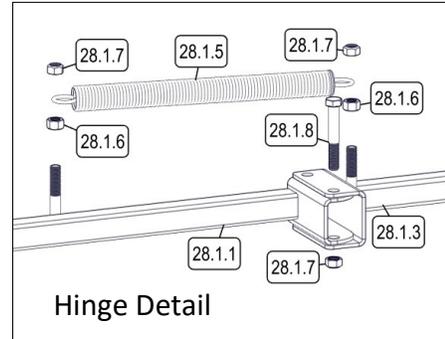
ELL

TEE

CROSS



Clamp
Bag of 7:
5277730



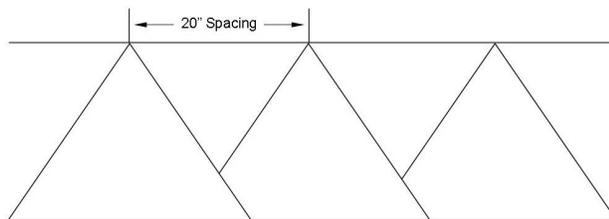
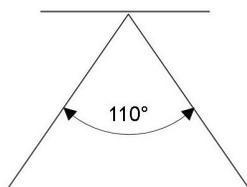
Hinge Detail

Ref. #	Part #	Description	Qty
28	5301897	7-Nozzle Boom Assembly	1
28.1	5277780	7-Nozzle Boom	1
28.1.1	5277838-BLK	Center Boom Weldment 1" Sq. Tube	1
28.1.2	5277837-BLK	Outer Boom Weldment (LH) (1" Sq Tube)	1
28.1.3	5277836-BLK	Outer Boom Weldment (RH) (1" Sq Tube)	1
28.1.4	5046106	Square Cap, Black (1" Square Tube)	2
28.1.5	5019228	Extension Spring	2
28.1.6	5006259	3/8"-16 Flange Hex Whiz Locknut	4
28.1.7	5006345	3/8"-16 Flange Locknut	6
28.1.8	5034169	H.H.C.S., 3/8"-16 x 2 1/2"	2
28.2	5277923	Nozzle Clamp (1" Sq. Tube)	7
28.3	5277696	7-Nozzle Harness (3/8")	1
28.3.1	5281304	"ELL" Nozzle Sub-Assembly (3/8")	2
28.3.1.1	5056113	Single Hose Shank (3/8" Hose)	1
28.3.1.2	5143543	Check Valve Strainer, 50 Mesh, 5 PSI	1
28.3.1.3	5016157	Seat Washer (QJ Caps)	1
28.3.1.4	5018371	Air-Induction XR Flat Spray Tip (AIXR11002VP)	1
28.3.1.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1
28.3.2	5020510	Hose, 3/8"-1 Brd. x 19-3/8"	4
28.3.3	5051144	Hose Clamp, 3/8"	12
28.3.4	5281307	"TEE" Nozzle Sub-Assembly (3/8")	4
28.3.4.1	5056114	Double Hose Shank (3/8" Hose)	1
28.3.4.2	5143543	Check Valve Strainer, 50 Mesh, 5 PSI	1
28.3.4.3	5016157	Seat Washer (QJ Caps)	1
28.3.4.4	5018371	Air-Induction XR Flat Spray Tip (AIXR11002VP)	1
28.3.4.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1
28.3.5	5020511	Hose, 3/8"-1 Brd. x 21"	2
28.3.6	5281308	"Cross" Nozzle Sub-Assembly (3/8")	1
28.3.6.1	5056115	Triple Hose Shank (3/8" Hose)	1
28.3.6.2	5143543	Check Valve Strainer, 50 Mesh, 5 PSI	1
28.3.6.3	5016157	Seat Washer (QJ Caps)	1
28.3.6.4	5018371	Air-Induction XR Flat Spray Tip (AIXR11002VP)	1
28.3.6.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1

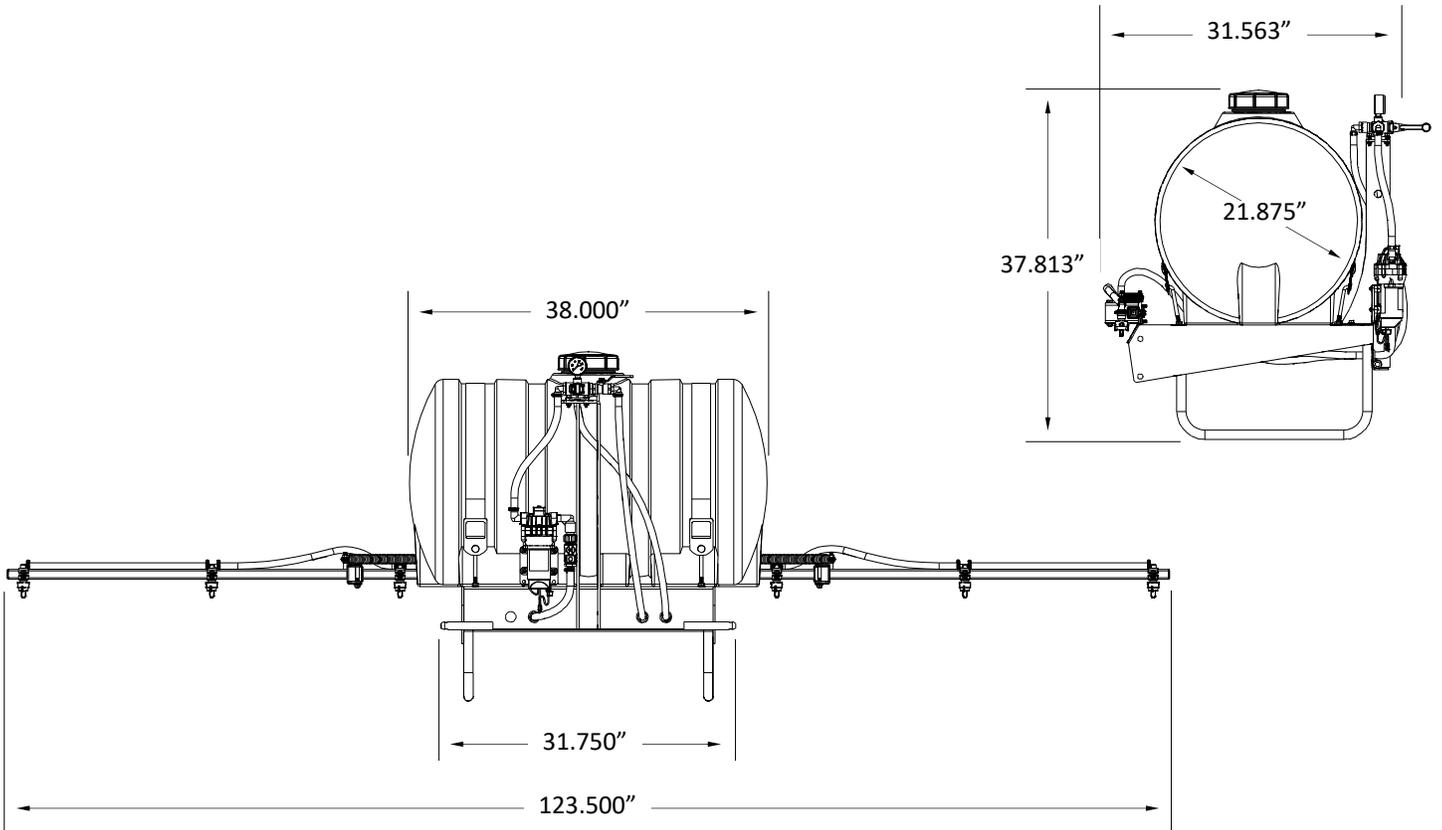
Ref. #	Part #	Description	Qty
28.3.1.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1
28.3.2	5020510	Hose, 3/8"-1 Brd. x 19-3/8"	4
28.3.3	5051144	Hose Clamp, 3/8"	12
28.3.4	5281307	"TEE" Nozzle Sub-Assembly (3/8")	4
28.3.4.1	5056114	Double Hose Shank (3/8" Hose)	1
28.3.4.2	5143543	Check Valve Strainer, 50 Mesh, 5 PSI	1
28.3.4.3	5016157	Seat Washer (QJ Caps)	1
28.3.4.4	5018371	Air-Induction XR Flat Spray Tip (AIXR11002VP)	1
28.3.4.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1
28.3.5	5020511	Hose, 3/8"-1 Brd. x 21"	2
28.3.6	5281308	"Cross" Nozzle Sub-Assembly (3/8")	1
28.3.6.1	5056115	Triple Hose Shank (3/8" Hose)	1
28.3.6.2	5143543	Check Valve Strainer, 50 Mesh, 5 PSI	1
28.3.6.3	5016157	Seat Washer (QJ Caps)	1
28.3.6.4	5018371	Air-Induction XR Flat Spray Tip (AIXR11002VP)	1
28.3.6.5	5046219	Quick TeeJet Cap ONLY (Yellow)	1

Based on the minimum overlap required to obtain uniform distribution with 110° tips and 20" spacing.
Suggested Minimum Spray Height: 16"-18" above what is being sprayed (to plant, not ground).
Optimum Spray Height: 20"

- 110° wide, tapered flat spray angle with air induction technology for better drift management
- Made of 2-piece UHMWPE polymer construction which provides excellent chemical resistance, including acids, as well as exceptional wear life
- Compact size to prevent tip damage
- Excellent for systemic products and drift management



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** for sprayer and **two (2) years** for High-Flo High Performance pump (homeowner), **90 days** for sprayer and pump (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, Ind. 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, Ind., 1000 Fimco Lane, North Sioux City, SD 57049; and (2) make the Equipment available to Fimco, Ind. 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.