Information About the Sprayer
Roller pumps are positive displacement pumps, which means that the entire solution being pumped must go somewhere or the pump will break. In this roller pumping system, solution is drawn from the tank and forced to a planned source, such as boom nozzles or handgun. The pressure is controlled by a pressure relief valve, which is a spring-loaded device that controls the amount of fluid bypassed (recirculated) to the tank. The gray handle is to be tightened to increase pressure and loosened to decrease pressure. The ‘directo-valve’ is the on/off control which allows the operator to manually control the solution going to the boom.

Assembly Instructions
Most of the sprayer has been assembled at the factory.

Join the center boom member to the carrier frame with the (2) U-bolts and (4) whiz nuts provided. 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.

Poly hose fittings (5010209) are included to be joined to the pump. A torque chain, ‘S’-Hook and hardware are also included for the pump. The pump is included with this unit. It is intended for this pump to be mounted directly to the tractor PTO.

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.

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.

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
[5195383 (12/19)]
Testing the Sprayer

Attach the sprayer to the tractor 3 point hitch. Mount the pump to the PTO and affix the torque chain. Open the tank lid and be sure the tank is clean and free of foreign material.

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

Fill the tank about 1/2 full with plain water.

Before starting, open the suction line valve (located underneath the carrier frame), turn the relief valve handle out to lower the line pressure. This will help prime the pump.

CAUTION:
Always be sure that the water (or solution) has reached the pump before starting your sprayer. If the pump is allowed to run dry, serious damage to the pump will result.

Always have the pressure line open to the tips so that the air which may be trapped in the line will be forced (or purged) out.

Start the tractor PTO. Check the entire system for leaks. Once the pump is primed, the pressure may be increased by turning the handle of the pressure relief valve in. Keep the pressure line open to the tips when setting the pressure. Set the pressure and then lock the relief valve handle in place. Shut off the directo-valve and check for leaks again. Pressure will increase when the pressure line valve is closed and then return to the preset pressure when the valve is opened again.

During the testing period, be sure to observe the spray pattern given by the sprayer. If there is any pattern distortion, it will be necessary to remove and clean the affected tips.

Caution:
Never use a metal object or other sharp item for cleaning a nozzle tip. It is better to use a nozzle brush (NOT wire brush) or compressed air for tip cleaning.

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 & Calibration

The performance of any agricultural chemical depends upon the proper application.

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 17”-20” 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.

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

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.

When you are ready to spray, mix chemicals as follows. Add the proper amount of water to the tank. Run the sprayer while adding chemical to the water. Do NOT spray through the boom at this time. This will allow the solution to return (‘bypass’) to the tank. The movement of solution through the bypass will aid in mixing the water and chemicals. If this water movement is not enough to keep the chemical in suspension, it may be necessary to add an optional agitator kit. You should now be ready to spray.

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.

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). The pressure can be set by running the sprayer with the boom nozzles ‘on’ and then adjusting the relief valve until the gauge reads the desired pressure. Notice that the pressure will go up when the boom line is shut off. This is normal and the pressure will return as before when you open the boom line. When selecting pressure from the tip chart, it is a good idea to try for the 20 or 30 p.s.i. range as this allows an excellent nozzle pattern. Spraying at 10 p.s.i. begins to break up the pattern and at 40 p.s.i. you may notice some drift.

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.

### Speed Chart

<table>
<thead>
<tr>
<th>Speed in M.P.H. (Miles Per Hour)</th>
<th>Time Required in seconds to travel a distance of</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 Ft.</td>
<td>200 Ft.</td>
</tr>
<tr>
<td>1.0</td>
<td>68 sec.</td>
</tr>
<tr>
<td>2.0</td>
<td>34</td>
</tr>
<tr>
<td>3.0</td>
<td>23</td>
</tr>
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<td>4.0</td>
<td>17</td>
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<td>5.0</td>
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<td>6.0</td>
<td>11</td>
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<tr>
<td>7.0</td>
<td>9.7</td>
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<td>8.0</td>
<td>8.5</td>
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<td>9.0</td>
<td>7.6</td>
</tr>
<tr>
<td>10.0</td>
<td>6.8</td>
</tr>
</tbody>
</table>

### Spray Tip Rate Chart (20” Spacing)

<table>
<thead>
<tr>
<th>Tip No.</th>
<th>Pressure (psi)</th>
<th>Capacity (GPM)</th>
<th>Gallons Per Acre - Based on Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 MPH</td>
<td>2 MPH</td>
<td>3 MPH</td>
</tr>
<tr>
<td>AIXR11002VP</td>
<td>15</td>
<td>.12</td>
<td>35.6</td>
</tr>
<tr>
<td></td>
<td>20</td>
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<td>41.6</td>
</tr>
<tr>
<td></td>
<td>30</td>
<td>.17</td>
<td>50.4</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>.20</td>
<td>59.6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Tip No.</th>
<th>Pressure (psi)</th>
<th>Capacity (GPM)</th>
<th>Gallons Per 1000 Sq. Ft. - Based on Water</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 MPH</td>
<td>2 MPH</td>
<td>3 MPH</td>
</tr>
<tr>
<td>AIXR11002VP</td>
<td>15</td>
<td>.12</td>
<td>.41</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>.14</td>
<td>.48</td>
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<tr>
<td></td>
<td>30</td>
<td>.17</td>
<td>.58</td>
</tr>
<tr>
<td></td>
<td>40</td>
<td>.20</td>
<td>.68</td>
</tr>
</tbody>
</table>
Maintenance During/After Spraying
Periodically close the suction line valve and check the strainer and clean the screen. Always flush the entire plumbing system with water or a neutralizing agent, such as Nutra-Sol after completing the spraying operation.

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

After use, fill the sprayer tank part way with water. Start the sprayer and allow the clear water to be pumped through the plumbing system and out through the spray nozzles. Refill the tank about half full with plain water and use FIMCO Tank Neutralizer and Cleaner and repeat cleaning instructions above. Flush the entire sprayer with the neutralizing/cleaning agent, then flush out one more time with plain water. Follow the chemical manufacturer’s disposal instructions of all wash or rinsing water. For the boom (if applicable) remove the tips and screens from the nozzle assemblies. Wash these items out thoroughly. Blow the orifice clean and dry. If the orifice remains clogged, clean it with a fine bristle (NOT WIRE) brush or with a toothpick. Do not damage the orifice. 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
Drain all water out of your sprayer, paying special attention to the pump, handgun and valve(s). These items are especially prone to damage from chemicals and freezing weather.

The sprayer should be winterized before storage by pumping a solution of automotive antifreeze (containing a rust inhibitor) through the entire plumbing system. This antifreeze solution should remain in the plumbing system during the winter months. When spring time comes and you are preparing your sprayer for the spray season, rinse the entire plumbing system out, clearing the lines of the antifreeze solution. Proper care and maintenance will prolong the life of your sprayer.

Piston Type Pressure Relief/Regulating Valves
Bypasses excess fluid. Adjustable to maintain control of line pressure at any pressure within the valve operating range. Selected pressure setting firmly held in place by locknut. Extra large passages to handle large flows.

- Polypropylene with stainless steel spring
- Excellent chemical resistance
- EPDM O-Rings
- Fore pressure to 150 p.s.i.
- 1/4” port for pressure gauge
- Choice of 1/2” or 3/4” NPT (M) inlet & (F) outlet connections

Torque Chain Attachment to a Roller Pump
A torque chain, ‘S’ hook, nut and bolt are included in this assembly to secure your pump during operation.

1. Attach one end of the torque chain over the threaded stem of the bolt
2. Thread the whiz nut onto the bolt. Hand-tighten
3. Thread the bolt, chain and nut pre-assembly into the threaded hole on the underside of the pump. Tighten sufficiently
4. Affix the ‘S’ Hook to your frame (or hitch). Wrap the chain around the frame or hitch and ‘S-Hook’ it in place. Make sure this connection is very secure! Not having a good, tight connection may result in the pump spinning on your PTO shaft and damaging some components of your sprayer

*** Insure that this connection point will not allow the roller pump to spin on the PTO shaft ***

<table>
<thead>
<tr>
<th>Ref. #</th>
<th>Part #</th>
<th>Mfg. Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5046270</td>
<td>CP23122-NY</td>
<td>Adjusting Cap, Nylon (Gray)</td>
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<tr>
<td>2</td>
<td>5110266</td>
<td>CP23123-PP</td>
<td>Lock Ring</td>
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<tr>
<td>3</td>
<td>♦ ♦</td>
<td>CP23124-PP</td>
<td>Spring Retainer</td>
</tr>
<tr>
<td>4</td>
<td>♦ ♦</td>
<td>CP7717-15-EPR</td>
<td>O-Ring, EPDM Rubber</td>
</tr>
<tr>
<td>5</td>
<td>♦ ♦</td>
<td>CP23127-302SS</td>
<td>Spring</td>
</tr>
<tr>
<td>6</td>
<td>♦ ♦</td>
<td>CP23125-PP</td>
<td>Guide Seat</td>
</tr>
<tr>
<td>7</td>
<td>♦ ♦</td>
<td>CP23126-302SS</td>
<td>Retaining Pin</td>
</tr>
<tr>
<td>8</td>
<td>CP23121-PP</td>
<td>CP23121-PP</td>
<td>Poly Body (3/4” NPT)</td>
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<tr>
<td>9</td>
<td>5102022</td>
<td>F14</td>
<td>Pipe Plug, 1/4” MNPT</td>
</tr>
</tbody>
</table>

* * Available only in Repair Kit
♦ ♦: Only Available in Complete Assembly
‘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

![Diagram of Directo Valve](image)

<table>
<thead>
<tr>
<th>Ref. #</th>
<th>Mfg. Part #</th>
<th>Description</th>
<th>Qty.</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>5078178</td>
<td>CP36301-NY Handle (Gray)</td>
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<td>2</td>
<td>5101220</td>
<td>CP36308-SS Groove Pin</td>
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<td>3</td>
<td>5086043</td>
<td>CP36302-PP Poly Body Insert, (Black)</td>
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<td>4</td>
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<td>CP7717-2209-VI O-Ring, Viton</td>
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<tr>
<td>5</td>
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<td>CP7717-2-108-VI O-Ring, Viton</td>
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<tr>
<td>6</td>
<td>**</td>
<td>CP36307-PPB Washer</td>
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<td>**</td>
<td>CP36304-SS Stem</td>
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<td>8</td>
<td>**</td>
<td>CP36306-302SS Spring</td>
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<td>9</td>
<td>**</td>
<td>CP38726-VI Shut-Off Washer, Viton</td>
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<td>10</td>
<td>**</td>
<td>CP36309-302SS Retaining Clip</td>
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<td>11</td>
<td>5002476</td>
<td>CP36303-PP Poly Body (AA6B)</td>
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<td>F14 Pipe Plug, 1/4” MNPT</td>
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<tr>
<td>13</td>
<td>5117281</td>
<td>CP38725-SS #10-24 x 5/16” Phillips Truss Head Mach. Screw</td>
<td>1</td>
</tr>
</tbody>
</table>

* * Available only in Repair Kit
♦♦: Only Available in Complete Assembly

Cast Iron 6-Roller Pump Assembly #5271706 (Hypro Part #6500C)

![Diagram of Cast Iron 6-Roller Pump Assembly](image)

<table>
<thead>
<tr>
<th>Ref. #</th>
<th>Fimco Part #</th>
<th>Mfg. Part #</th>
<th>Description</th>
<th>Qty.</th>
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<td>2300-0021</td>
<td>Bearing Cover</td>
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<tr>
<td>2</td>
<td>5031113</td>
<td>2000-0010</td>
<td>Ball Bearing (Sealed)</td>
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<tr>
<td>3*</td>
<td>5110052</td>
<td>2107-0002</td>
<td>Seal (Viton)</td>
<td>2</td>
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<tr>
<td>4</td>
<td>♦♦</td>
<td>0200-6600C</td>
<td>Endplate (Cast Iron) w/Seal</td>
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<tr>
<td>5</td>
<td>5034038</td>
<td>- - -</td>
<td>H.H.C.S. 5/16”-18nc x 3/4”</td>
<td>4</td>
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<tr>
<td>6*</td>
<td>5172056</td>
<td>1720-0008</td>
<td>O-Ring Gasket for Endplate</td>
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<tr>
<td>7</td>
<td>5172038</td>
<td>0300-6600C</td>
<td>Rotor/Shaft Assembly</td>
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<td>8*</td>
<td>5112030</td>
<td>1005-0004</td>
<td>Super Roller (Standard)</td>
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<tr>
<td>9</td>
<td>♦♦</td>
<td>0100-6600C</td>
<td>Body (Cast Iron) w/Seal</td>
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<tr>
<td>10</td>
<td>5017480</td>
<td>2300-0023</td>
<td>Shaft Bearing Cover</td>
<td>1</td>
</tr>
</tbody>
</table>

* = Only Available in Repair Parts Kit #7771795 (3430-0380)
Consists of Rollers, O-Ring & Viton Seals
♦♦ = ONLY Available in Complete Assembly
Roller Pump General Safety Information

1. Use a pressure relief device on the discharge side of the pump to prevent damage from pressure buildup when the pump discharge is blocked or otherwise closed and the power source is still running.

2. **WARNING:** Never pump flammable or explosive fluids such as gasoline, fuel oil, kerosene, etc. Never use in explosive atmospheres. The pump should be used only with liquids compatible with the pump component materials. Failure to follow this warning can result in personal injury and/or property damage and will void the product warranty.

3. Never pump acids (i.e. acid fertilizer) with Super Rollers!

4. Never run the pump faster than maximum recommended speed.

5. Never pump at pressures higher than the maximum recommended pressure.

6. Never pump liquids at temperatures higher than the recommended maximum temperatures (140°F/60°C).

7. Make certain that the power source conforms to the requirements of your equipment.

8. Provide adequate protection in guarding around the moving parts such as the shaft and pulleys.

Roller Pump Operation & Maintenance

**WARNING:** Never pump corrosive or abrasive liquids as these will cause rapid wear or deterioration of the body, rotor, shaft and seals in the pump. The pump should be used on with liquids compatible with pump component materials. Never exceed maximum specified rpm and pressure. Never run pump dry. Failure to follow this warning will void the product warranty.

**Flushing the Pump After Each Use**

One of the common causes of faulty pump performance is "gumming" or corrosion inside the pump. This prevents rollers from moving freely in their rotor slots. Flush the pump with a solution that will neutralize liquid pumped, mix according to manufacturer's directions.

**To Prevent Corrosion:**

After cleaning pump as above, flush it with a 50-50 solution of permanent-type automotive antifreeze (containing a rust inhibitor) and water. A rust inhibitor can also be squirted into the ports of the pump. Turn shaft several times to draw protective liquid through pump and coat entire inner surface. Drain pump and plug ports to keep out air during storage. For short periods of idleness, noncorrosive liquids may be left in the pump, but air must be kept out. Plug ports or seal port connections.

**Symptom** | **Probable Cause(s)** | **Corrective Action**
--- | --- | ---
**Pump Does Not Prime** | Leak in suction line | Check hose and fittings for leaks and correct pressure.
Obstruction in suction line | Inspect hose for debris or loose inner liner in hose.
Suction hose sucked to bottom or side of tank | Cut a notch or "V" in end of suction hose.
Rollers stuck in pump | Disassemble pump and inspect rollers.
Pump seals leaking air | Replace seals.

**Loss of Pressure** | Clogged suction strainer | Check strainer and clean it regularly.
Kinked or blocked suction hose | Inspect suction hose and repair as necessary.
Air leak in inlet side plumbing | Use pipe joint sealant and retighten connections.
Relief valve setting too low or weakened spring | Check relief valve and correct setting.
Faulty Gauge | Replace gauge.
Pump seals leak air | Replace seals.
Nozzle orifices worn | Replace nozzles.
Pump worn | Repair pump.

**Pump will not turn** | Corrosion (rust), scale or residue | Loosen endplate bolts. Squirt oil into ports to help free rotor. Retighten bolts.
Solid object lodged in pump. | Disassemble pump and remove objects.

**Care of the Pump:**

Proper care and maintenance will keep your pump wear at a minimum and will keep it running smoothly and trouble-free for a long time.
Exploded View/Parts List:
60-3PT-7N (5303080)

See Page 8

Ref. # Part # Description Qty
1 5169249 60 Gallon Elliptical Tank (White) 1
1.1 TF50DTN 1/2” Bulkhead Fitting Assembly 2
2 5273959 Deluxe Pistol-Grip Handgun w/X-26 Tip 1
2.1 5018331 Brass Handgun Tip (X-26) 1
3 5278348 Deluxe Handgun Clips & Screws (Pkg/2) 1
4 5277754 Valve Sub-Assembly 1
4.1 5143316 Directo-Valve (AA6B) 1
4.2 5143197 1/2” T-800 Brass Ball Valve 1
4.3 5143199 Pressure Relief Valve, (3/4” NPT) 1
4.4 5010209 Poly Elbow, 3/4” MNPT x 3/4” HB 1
4.5 5010202 Poly Elbow, 1/2” MNPT x 3/8” HB 1
4.6 5011140 Poly Close Nipple, 3/4” MNPT 1
4.7 5010231 Poly Tee, 3/4” FNPT 1
4.8 5011147 Poly Reducing Nipple, 3/4” MNPT x 1/2” MNPT 1
4.9 5067130 Poly Fitting, 1/2” MNPT x 3/8” HB 1
4.10 5010206 Poly Elbow, 3/4” MNPT x 3/8” HB 1
5 5058188 Tank Lid w/Lanyard 1
5.1 5058189 5” Lid (NO Lanyard) 1
5.2 5058170 Tank Lid Lanyard, 8” (Black) 1
6 5274745 Strainer Sub-Assembly 1
6.1 5116322 3/4” Black Poly Strainer 1
6.1.1 5072229 EPDM Gasket 1
6.1.2 5116323 40 Mesh Screen 1
6.2 5005196 Poly Adapter, 3/4” MNPT x 3/4” MGHT 1
6.3 5143419 Swivel Shut-Off 1
6.4 5016066 1” Rubber Washer 1
6.5 5149037 Poly Swivel, 3/4” Flat Seat Hose Barb 1
6.6 5006209 Poly Knurled Swivel Nut, 3/4” FGHT 1
7 5034101 3/8”-16 x 1.75 Hex Bolt, Gr. 5 4

See Page 8

Ref. # Part # Description Qty
8 5038698 Plastic Tank Hold-Down Leg Clip 4
9 5006259 3/8”-16 Serrated Fng Hex Nut, Gr. A 4
10 5051144 Hose Clamp, 3/8” 6
11 5020099 Hose, 3/8”-2 Brd. x 25 Ft. 1
12 5034159 5/16”-18 x 1-5/16” x 1-7/8” Square U-Bolt, Gr. 2 2
13 5167005 Gauge, 0-400 p.s.i. (Dry) 1
14 5117301 1/4-20 x 1” Fng Hex Bolt, Gr. 5 4
15 5006306 1/4”-20 Serrated Fng Hex Nut, Gr. A 4
16 5020519 Hose, 3/8”-1 Brd. x 64” 1
17 5020537 Hose, 3/8”-1 Brd. x 38” 1
18 5010202 Poly Elbow, 1/2” MNPT x 3/8” HB 1
19 5051024 Hose Clamp, 3/4” 6
20 5020227 Hose, 3/4”-1 Brd. x 48” 1
21 5010209 Poly Elbow, 3/4” MNPT x 3/4” HB 2
22 5271706 6-Roller Pump Assembly (650CC) 1
23 5006307 5/16”-18 Serrated Fng Hex Nut, Gr. A 5
24 5049017 Torque Chain, 24” 1
25 5082006 “S” Hook 1
26 5117300 5/16”-18 x 1” Fng Hex Bolt, Gr. 5 1
27 5057145 Quick Coupler (5/8”) 1
28 5041105 Snap Bushing 2
29 5020105 Hose, 3/4”-2 Brd. x 36” 1
30 5067127 Poly Fitting, 3/4” MNPT x 3/4” HB 1
31 5020495 Hose, 3/4”-2 Brd. x 8” 1
32 5010205 Poly Elbow, 1/2” MNPT x 3/4” HB 1
33 5275716 60 Gal. 3-Pl. Frame Weldment 1
34 5301857 7-Nozzle Generic Boom Assembly 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

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110°
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**Ref. #** | **Part #** | **Description** | **Qty**
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34 | 5301897 | 7-Nozzle Boom Assembly | 1
34.1 | 5277878 | 7-Nozzle Boom | 1
34.1.1 | 5277838 | Center Boom Weldment 1" Sq. Tube | 1
34.1.2 | 5277837 | Outer Boom Weldment (LH) (1" Sq Tube) | 1
34.1.3 | 5277836 | Outer Boom Weldment (RH) (1" Sq Tube) | 1
34.1.4 | 5046106 | Square Cap, Black (1" Square Tube) | 2
34.1.5 | 5019228 | Extension Spring | 2
34.1.6 | 5006259 | 3/8"-16 Flange Hex Whiz Locknut | 4
34.1.7 | 5006345 | 3/8"-16 Flange Locknut | 6
34.1.8 | 5034169 | H.H.C.S., 3/8"-16 x 2 1/2" | 2
34.2 | 5277923 | Nozzle Clamp (1" Sq. Tube) | 7
34.3 | 5277966 | 7-Nozzle Harness (3/8") | 1
34.3.1 | 5281304 | "ELL" Nozzle Sub-Assembly (3/8") | 2
34.3.1.1 | 5056113 | Single Hose Shank (3/8" Hose) | 1
34.3.1.2 | 5143543 | Check Valve Strainer, 50 Mesh, 5 PSI | 1
34.3.1.3 | 5016157 | Seat Washer (QJ Caps) | 1
34.3.1.4 | 5018371 | Air-Induction XF Flat Spray Tip (AIXR11002VP) | 1
34.3.1.5 | 5046219 | Quick TeeJet Cap ONLY (Yellow) | 1
34.3.2 | 5020510 | Hose, 3/8"-1 Brd. x 19-3/8" | 4
34.3.3 | 5051144 | Hose Clamp, 3/8" | 12
34.3.4 | 5281307 | "TEE" Nozzle Sub-Assembly (3/8") | 4
34.3.4.1 | 5056114 | Double Hose Shank (3/8" Hose) | 1
34.3.4.2 | 5143543 | Check Valve Strainer, 50 Mesh, 5 PSI | 1
34.3.4.3 | 5016157 | Seat Washer (QJ Caps) | 1
34.3.4.4 | 5018371 | Air-Induction XF Flat Spray Tip (AIXR11002VP) | 1
34.3.4.5 | 5046219 | Quick TeeJet Cap ONLY (Yellow) | 1
34.3.5 | 5020511 | Hose, 3/8"-1 Brd. x 21" | 2
34.3.6 | 5281308 | "Cross" Nozzle Sub-Assembly (3/8") | 1
34.3.6.1 | 5056115 | Triple Hose Shank (3/8" Hose) | 1
34.3.6.2 | 5143543 | Check Valve Strainer, 50 Mesh, 5 PSI | 1
34.3.6.3 | 5016157 | Seat Washer (QJ Caps) | 1
34.3.6.4 | 5018371 | Air-Induction XF Flat Spray Tip (AIXR11002VP) | 1
34.3.6.5 | 5046219 | Quick TeeJet Cap ONLY (Yellow) | 1

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**Opposite side has typical hardware setup**

**See Hinge Detail**
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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, 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.

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