General Information

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

Retain a copy of your receipt for your unit, as it will be required to validate any warranty service. Products are warranted against manufacturer or workmanship defects for one year from date of purchase for home owner usage and 90 days for commercial usage.

For technical assistance, visit our website @ www.fimcoindustries.com or call: TOLL FREE @ 1-800-831-0027. Our Technical Support Representatives will be happy to help you. To obtain prompt, efficient service, always remember to give the following information:

- Correct Part Description and/or part number
- Model #/Serial # of your sprayer

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

**NOTE:** Maximum Speed - 10 MPH
Refer to vehicle’s manual for towing instructions

Model: ATVTS-60-4R (5301306)
(60 Gallon Trailer Sprayer w/127cc B&S Engine, 4-Roller Pump & Deluxe Handgun)

Before returning this product for any reason, please call 1-800-831-0027.

If you should have a question or experience a problem with your Fimco Industries product: 1-800-831-0027

Before you call, please have the following information available:
Sales Receipt & Model Number. In most cases, a Fimco Industries Employee can resolve the problem over the phone.

Technical Specifications

- 127cc Briggs & Stratton Engine
- 4 Roller Pump—6 G.P.M.
- Deluxe Pistol Grip Handgun W/25’ of Hose
- 7-Nozzle Boom Assembly - 140” Spray Coverage
- Check Valve Strainers, 50 Mesh, 5 PSI
- Break-Away Outer Boom Members
- Pneumatic Tires: 18 x 850 x 8
- Maximum Speed - 10 MPH

Assembly Instructions

Most of the sprayer has been assembled at the factory.

- Follow the steps on page 2 to complete assembly of the sprayer.

**NOTE:**
Add proper oil to the engine crankcase and gasoline to the gas tank. Refer to the engine manual for the correct type and amount.

It is important to test the sprayer with plain water before actual spraying is attempted. This will enable you to check the sprayer for leaks in the plumbing system.

Caution: When fully filled with water, this sprayer will weigh approx. 745 lbs. Consult the owner’s manual for your vehicle to verify that you are within it’s load carrying capacity.

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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
(11/18)
Step 1:
Attach the axle to the trailer frame with (4) bolts & nuts as shown.

Step 2:
Slide a wheel onto the hub of the axle and use the wheel nuts to hold the wheel in place. Repeat for other side.

Step 3:
The left & right boom mounting brackets are to be mounted on the trailer frame. Use 4 bolts and nuts to secure them in place.

Step 4:
Center the ‘center boom’ tube on the boom mounts and secure in place with the (2) square U-bolts and whiz nuts provided.

Step 5:
Center the nozzle harness on the boom and secure in place with the nozzle clamps provided.

Step 6:
Place a hose clamp over the end of the feeder hose loosely. Slip the end of the hose over the hose barb on the ‘CROSS’ fitting on the nozzle harness. Use a twisting motion, if necessary, to get the hose fully onto the barb. Bring the hose clamp to the connection point and tighten securely.

Step 7:
Install the pressure gauge. Hand tighten securely. **DO NOT OVER-TIGHTEN**
CAUTION: Always be sure that water (or solution) has reached the roller pump before starting your sprayer. If the pump is run dry, serious damage to the pump will result. Do not run your sprayer with the boom/handgun line closed AND the bypass line closed. Doing this will damage the pump.

3. It is always best to start the sprayer at little or no pressure. This sprayer is equipped with a spring loaded relief valve. Turn the valve knob out to decrease pressure and in to increase pressure.

The bypass valve is the "pressure control" for the entire plumbing system. The more the valve is open, the lower your line pressure. Almost fully closed provides maximum pressure to your boom and/or handgun. NEVER run your system with this valve 100% closed.

4. You may now start the engine following the engine manufacturers instructions. Let the sprayer run at low pressure until water has reached the handgun and all air has been purged from the system.

The pressure should now be increased to 30-125 P.S.I. Operate the sprayer at this increased pressure for 3-5 minutes, thoroughly testing the unit before adding chemicals.

Caution: Care must be taken, being sure the handgun is secured in the operator's hand. If this is not done a recoiling action may occur causing damage or personal injury.

Add water to the tank and drive to the starting place for spraying.

When you are ready to spray, position booms out 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 twisting the gray twist knob on the bypass (pressure relief) valve. Twist 'clockwise' to increase pressure , 'counter-clockwise' to decrease pressure.

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!

Information About the Sprayer

In this 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 opening/closing the valve which recirculates solution back into the tank.

NOTE: Maximum Speed - 10 MPH

Refer to vehicle's manual for towing instructions.

Operation

Always fill tank 1/2 full with water first and then add the chemical slowly, mixing as you pour the chemical into the tank and fill the rest of the way. You may use the bypass in order to mix the chemical and water.

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)

This sprayer is designed to be towed behind a garden tractor. Check the nozzle pattern by spraying water on a concrete surface. 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.

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 on the next page 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 (next page) 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.

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.
Periodically check the strainer and clean the screen on your intake line.

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.) 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. 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
Prepare the sprayer for end-of-season 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. Make sure to operate the boom and handgun until you see the antifreeze spraying from the nozzles. This antifreeze solution should remain in the plumbing system during the winter months. 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.

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. Dispose of antifreeze and flush water properly. Proper care and maintenance will prolong the life of your sprayer.

### 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></td>
</tr>
<tr>
<td>1.0</td>
<td>68 sec.</td>
</tr>
<tr>
<td>2.0</td>
<td>34</td>
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<tr>
<td>3.0</td>
<td>17</td>
</tr>
<tr>
<td>4.0</td>
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<td>5.0</td>
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<td>8.0</td>
<td>5.9</td>
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### 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>15</td>
<td>.12</td>
<td>35.6</td>
<td>1 MPH</td>
</tr>
<tr>
<td>20</td>
<td>.14</td>
<td>41.6</td>
<td>1 MPH</td>
</tr>
<tr>
<td>30</td>
<td>.17</td>
<td>50.4</td>
<td>1 MPH</td>
</tr>
<tr>
<td>40</td>
<td>.20</td>
<td>59.6</td>
<td>1 MPH</td>
</tr>
</tbody>
</table>

### Cast Iron 4-Roller Pump Assembly

#5273020 (Hypro Mfg. Part #: 4101C-01)

For electric motor drive:
- Output to 9 GPM, Pressure to 150 psi
- Speed to 1800 RPM, Temperature to 140°F

For gas engine drive:
- Output to 7 GPM, Pressure to 150 psi
- Speed to 2600 RPM, Temperature to 140°F
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.

To help prime the pump, keep the inlet or suction line as short as possible with a minimum of bends, elbows and kinks. Make sure all connections are tight and do not leak air. Make sure line strainer is free of debris. If pump does not self-prime, disconnect suction hose, fill with water and reconnect to liquid source. Often a squirt of oil into the ports of the pump will seal clearance and help priming.

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.

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 through pump and coat entire inner surface. Drain pump and

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Probable Cause(s)</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Does Not Prime</td>
<td>Leak in suction line</td>
<td>Check hose and fittings for leaks and correct</td>
</tr>
<tr>
<td></td>
<td>Obstruction in suction line</td>
<td>Inspect hose for debris or loose inner liner in hose</td>
</tr>
<tr>
<td></td>
<td>Suction hose sucked to bottom or side of tank</td>
<td>Cut a notch or &quot;V&quot; in end of suction hose</td>
</tr>
<tr>
<td></td>
<td>Rollers stuck in pump</td>
<td>Disassemble pump and inspect rollers</td>
</tr>
<tr>
<td></td>
<td>Pump seals leaking air</td>
<td>Replace seals</td>
</tr>
<tr>
<td>Loss of Pressure</td>
<td>Clogged suction strainer</td>
<td>Check strainer and clean it regularly</td>
</tr>
<tr>
<td></td>
<td>Kinked or blocked suction hose</td>
<td>Inspect suction hose and repair as necessary</td>
</tr>
<tr>
<td></td>
<td>Air leak in inlet side plumbing</td>
<td>Check hose and connections for leaks</td>
</tr>
<tr>
<td></td>
<td>Relief valve setting too low or weakened spring</td>
<td>Use pipe joint sealant and retighten connections</td>
</tr>
<tr>
<td></td>
<td>Faulty Gauge</td>
<td>Check relief valve and correct setting</td>
</tr>
<tr>
<td></td>
<td>Pump seals leak air</td>
<td>Replace seals</td>
</tr>
<tr>
<td></td>
<td>Nozzle orifices worn</td>
<td>Replace nozzles</td>
</tr>
<tr>
<td></td>
<td>Pump worn</td>
<td>Repair pump</td>
</tr>
<tr>
<td>Pump will not turn</td>
<td>Corrosion (rust), scale or residue</td>
<td>Loosen endplate bolts. Squirt oil into ports to help free rotor. Retighten bolts.</td>
</tr>
<tr>
<td></td>
<td>Solid object lodged in pump.</td>
<td>Disassemble pump and remove objects</td>
</tr>
</tbody>
</table>
Exploded View
ATVTS-60-4R (5301306)
Refer to Parts List next page for Part Numbers

1/2" Bulkhead Fitting TF50DTN
(Ref. #1.1)

See Page 7 for Engine/Pump Assembly

See Below for Exploded View of Plumbing Components

See Below for:
Valve Sub-Assembly Exploded View (Item #10)
See Below for:
Tank Valve Assembly Exploded View (Item #2)

Plumbing Components

Refer to Parts List next page for Part Numbers

Tank Valve Assembly (5274939)

Refer to Parts List next page for Part Numbers

Valve Sub-Assembly (5278070)

Refer to Parts List next page for Part Numbers
Parts List: ATVTS-60-4R (5301306)

**Strainer Gasket & Screen**

**Engine/Pump Assembly (5278061)**

Ref. # | Part # | Description | Qty
--- | --- | --- | ---
1 | 5169249 | 60 Gallon Elliptical Tank (White) | 1
1.1 | TF5007TN | 1/2" Bulkhead Fitting Assembly | 2
2 | 5274939 | Tank Valve Assembly | 1
2.1 | 5010243 | Poly Street Elbow, (90°) 1/2" MNPT x 1/2" FNPT | 1
2.2 | 5011147 | Poly Reducing Nipple, 3/4" MNPT x 1/2" MNPT | 1
2.3 | 5143190 | 3/4" "T-800" Brass Ball Valve | 1
2.4 | 5005196 | Poly Adapter, 3/4" MNPT x 3/4" MGHT | 1
2.5 | 5016666 | Garden Hose Washer | 1
2.6 | 5149037 | Poly Swivel, 3/4" Flat Seat Hose Barb | 1
2.7 | 5006209 | Poly Knurled Swivel Nut, 3/4" FGHT | 1
3 | 5020378 | Hose, 3/4"-2 Bnd. x 21" | 1
4 | 5051024 | Hose Clamp, 3/4" | 2
5 | 5278061 | Engine/Pump Assembly | 1
5.1 | 5067127 | Poly Fitting, 3/4" MNPT x 3/4" HB | 1
5.2 | 5010249 | 45 Degree Poly Street Elbow, 3/4" NPT | 1
5.3 | 5161322 | 3/4" Black Poly Strainer | 1
5.3.1 | 5072229 | EPDM Gasket | 1
5.3.2 | 5116323 | 40 Mesh Screen | 1
5.4 | 5011140 | Poly Close Nipple, 3/4" MNPT | 1
5.5 | 5277100 | Engine/Pump [5.5-4R] | 1
5.5.1 | 5273020 | 4-Roller Pump (Cast Iron) w/Coupler | 1
5.5.1.1 | 5217157 | 4-Roller Pump (Cast Iron) | 1
5.5.1.2 | 5005175 | Coupler (5/8" to 5/8") | 1
5.5.2 | 5274705 | Shield Assembly | 1
5.5.2.1 | 5201053 | Shield | 1
5.5.2.2 | 5020320 | Hose, 3/8"-2 Bnd. x 2" | 2
5.5.3 | 5034108 | H.H.C.S., 5/16"-24 x 5/8" | 2
5.5.4 | 5016062 | Lockwasher, 5/16" | 2
5.5.5 | 5152107 | B & S 5.5 Gross Torque Engine (5/8" Shaft) | 1
5.6 | 5067126 | Poly Fitting, 3/4" MNPT x 5/8" HB | 1
6 | 5006368 | 5/16-18 x 1.50 Flanged Hex Bolt, GR. 5 (Full Thread) | 4
7 | 5006307 | 5/16-18 Serrated Flanged Hex Nut, GR. A | 10
8 | 5020543 | Hose, 5/8"-1 Bnd. x 12" | 1
9 | 5051023 | Hose Clamp, 5/8" | 2
10 | 5278070 | Valve Assembly | 1
10.1 | 5067132 | Poly Fitting, 1/2" MNPT x 5/8" HB | 1
10.2 | 5010230 | Poly Tee, 1/2" FNPT | 1
10.3 | 5011147 | Poly Reducing Nipple, 3/4" MNPT x 1/2" MNPT | 1
10.4 | 5143316 | Directo-Valve (AA6B) | 1
10.5 | 5143199 | Pressure Relief Valve, (3/4" NPT) | 1
10.6 | 5010202 | Poly Elbow, 1/2" MNPT x 3/8" HB | 2
10.7 | 5010206 | Poly Elbow, 3/4" MNPT x 3/8" HB | 1

**Multiple**: Cap and bowl, ONLY available in complete assembly

**Ref. # | Part # | Description | Qty
--- | --- | --- | ---
11 | 5117325 | 1/4-20 x 0.75 Pan Head Mach. Screw, GR. 2 | 4
12 | 5006306 | 1/4-20 Serrated Flanged Hex Nut, GR. A | 4
13 | 5095366 | Manifold Mount | 1
14 | 5117323 | 5/16-18 x 0.75 Flanged Hex Bolt, GR. 5 | 2
15 | 5167004 | Gauge, 0-200# (Dry) | 1
16 | 5020131 | Hose, 3/8"-1 Bnd. x 90° | 1
17 | 5051144 | Hose Clamp, 3/8" | 6
18 | 5020530 | Hose, 3/8"-1 Bnd. x 51° | 1
19 | 5101002 | Poly Elbow, 1/2" MNPT x 3/8" HB | 1
20 | 5020527 | Hose, 3/8"-1 Bnd. x 25 Ft. | 1
21 | 5051122 | 5/8" Black Nylon Loop Cable Clamp | 1
22 | 5117234 | #10-24 x 1/2" Phillips Round Head Mach. Screw | 3
23 | 5006186 | #10-24 Serrated Flanged Hex Nut, GR. A | 1
24 | 5273359 | Deluxe Pistol-Grip Handgun w/X-26 Tip | 1
24.1 | 5018331 | Brass Handgun Tip (X-26) | 1
25 | 5038775 | Handgun Bracket | 1
26 | 5075014 | Rubber Grommet (Black) | 2
27 | 5058188 | Tank Lid w/Lanyard | 1
28 | 5034101 | 3/8-16 x 1.75 Hex Bolt, GR. 5 | 4
29 | 5038698 | Plastic Tank Hold-Down Leg Clip | 4
30 | 5006259 | 3/8-16 Hex Whiz (Flange) Locknut | 12
31 | 5278077 | Frame Weldment (ATVTS-60) | 1
32 | 5273204 | Hitch Clevis Weldment | 1
33 | 5034700 | 1/2-13 x 3.50 Flanged Hex Bolt, GR. 5 (Full Thread) | 2
34 | 5006337 | 1/2-13 Serrated Flanged Hex Nut, GR. A | 2
35 | 5117307 | 3/8-16 x 1.00 Flanged Hex Bolt, GR. 5 | 8
36 | 5038634 | Boom Mount L.H. | 1
37 | 5038833 | Boom Mount R.H. | 1
38 | 5034159 | Square U-Bolt, 5/16" x 1 5/16" x 1 7/8" | 2
39 | 5274555 | Axle & Hub Assembly | 1
39.1 | 5274554 | Axle Weldment (ATVTS-60) | 1
39.2 | 5272465 | Hub Assembly, 4-Bolt | 2
39.2.1 | 5085018 | Hub Assembly (4-Stud) | 1
39.2.2 | 5072471 | Grease Seal | 1
39.2.3 | 5046327 | Grease Cap | 1
39.2.4 | 5031139 | Cone Bearing | 1
39.3 | 5006300 | Castle Nut, 1" | 2
39.4 | 5006301 | 1/2-20 Wheel Nut, GR. 2 | 8
39.5 | 5101081 | Cotter Pin, 5/32" x 2-1/4" | 2
40 | 5272464 | Wheel, 18 x 8.5 - 8 - 4-Bolt | 2
41 | 5301897 | 7-Nozzle Generic Boom Assembly | 1

**Items #6 & #7 are not part of the engine/pump assembly**

Refer to Parts List above for Part Numbers
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**
‘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]

### 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

![Diagram of Piston Type Pressure Relief/Regulating Valves]

---

<table>
<thead>
<tr>
<th>Ref. #</th>
<th>Fimco #</th>
<th>Mfg. Part #</th>
<th>Description</th>
<th>Qty.</th>
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<tbody>
<tr>
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<td>5002476</td>
<td>CP36303-PP</td>
<td>Poly Body (AA6B)</td>
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<tr>
<td>2</td>
<td>♦ ♦</td>
<td>CP36307-PPP</td>
<td>Washer</td>
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<tr>
<td>3</td>
<td>* *</td>
<td>CP38726-VI</td>
<td>Shut-Off Washer, Viton</td>
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<tr>
<td>4</td>
<td>* ♦</td>
<td>CP36306-302SS</td>
<td>Spring</td>
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<tr>
<td>5</td>
<td>♦ ♦</td>
<td>CP36304-SS</td>
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<td>CP7717-2108-VI</td>
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<td>Poly Body Insert (Black)</td>
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<td>Handle (Gray)</td>
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<td>CP36308-SS</td>
<td>Groove Pin</td>
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<td>CP36309-302SS</td>
<td>Retaining Clip</td>
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<td>Pipe Plug, 1/4&quot; MNPT</td>
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<td>5117281</td>
<td>CP38725-SS</td>
<td>#10-24 x 5/16&quot; Phillips Truss Head Machine Screw</td>
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* ♦: Available only in Repair Kit
♦ ♦: Only Available in Complete Assembly
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, 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.