After use fill the sprayer part way with water. Start the sprayer and allow clear water to be pumped through the plumbing system and out through the spray wand.

Refill the tank about half full with plain water and use a chemical neutralizer such as Nutra-Sol® or equivalent and repeat cleaning instructions. Flush the entire sprayer with the neutralizing agent. Follow the chemical manufacturer’s disposal instructions of all wash or rinsing water.

Drain all water and chemical out of sprayer, paying special attention to pump and valves. These items are especially prone to damage from chemicals and freezing weather.

The sprayer should be winterized before storage by pumping a solution of RV antifreeze through the entire plumbing. Proper care and maintenance will prolong the life of the sprayer.

WARNING: Some chemicals will damage the pump valves if allowed to soak untreated for a long period of time. Always flush the pump with water after use. Do not allow chemicals to sit in pump for extended times of idleness. Follow chemical manufacturers instructions on disposal of all waste water from the sprayer.
— Tank Parts List

Attach 2 bars to bottom of tank as illustrated with (4) Bolts, Nuts, and Washers

Tighten thumb screw to anchor tank in bed of the UTV (2 Places)

Tailgate of UTV

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>600240</td>
<td>40 Gallon Tank*</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>640000</td>
<td>60 Gallon Tank*</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>600133</td>
<td>Tank Lid</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>600134</td>
<td>Tank Lid Tether</td>
</tr>
<tr>
<td>5</td>
<td>2</td>
<td>600298</td>
<td>Drain Cap Assembly</td>
</tr>
<tr>
<td>6</td>
<td>2</td>
<td>640105</td>
<td>Hose Wrap</td>
</tr>
<tr>
<td>7</td>
<td>2</td>
<td>630014</td>
<td>10-24 UNC x 1/2&quot; Screw</td>
</tr>
<tr>
<td>8</td>
<td>2</td>
<td>640463</td>
<td>Bottom Bar - Bent</td>
</tr>
<tr>
<td>9</td>
<td>2</td>
<td>640485</td>
<td>1x2 Rectangular Cap</td>
</tr>
<tr>
<td>10</td>
<td>2</td>
<td>640464</td>
<td>Adjusting Clip Slide</td>
</tr>
<tr>
<td>11</td>
<td>2</td>
<td>640465</td>
<td>Adjusting Clip</td>
</tr>
<tr>
<td>12</td>
<td>2</td>
<td>640482</td>
<td>Adjusting Knob 5/16-18 Thd.</td>
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<tr>
<td>13</td>
<td>4</td>
<td>640423</td>
<td>5/16-18 UNC x 2 3/4&quot; Hex Bolt</td>
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<tr>
<td>14</td>
<td>4</td>
<td>640422</td>
<td>5/16&quot; Wide Washer</td>
</tr>
<tr>
<td>15</td>
<td>4</td>
<td>600172</td>
<td>5/16-18 UNC Hex Flange Nut</td>
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<tr>
<td>16</td>
<td>1</td>
<td>600259</td>
<td>Deluxe Wand with 25ft Hose</td>
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<tr>
<td>17</td>
<td>1</td>
<td>600153</td>
<td>2.2 gpm Pump Wire Kit*</td>
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<tr>
<td>18</td>
<td>1</td>
<td>600270</td>
<td>5.0 gpm Pump Wire Kit*</td>
</tr>
</tbody>
</table>

*Dependant On Model Purchased
The Lever adjusts the system pressure by relieving liquid back to the tank. Adjusting this lever will increase or decrease pressure to both the spray wand and the spray boom.

Install Wand Hose Assembly onto Swivel Barb Assembly, by placing a Hose Clamp over the open end of the hose on the Wand Hose Assembly. Then pressing the open end of the hose onto the Swivel Barb Assembly like shown. Secure in place by tightening the Hose Clamp as shown.

Pump & Valve Assembly

![Diagram of pump and valve assembly]

### PARTS LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QTY</th>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
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<td>1</td>
<td>640451</td>
<td>2.2 GPM Pump*</td>
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<tr>
<td>1</td>
<td>1</td>
<td>630031</td>
<td>5.0 GPM Pump*</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>600289</td>
<td>Manifold Body</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>600291</td>
<td>Elbow (2.2 pumps)</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>600292</td>
<td>Elbow (5.0 pumps)</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>600129</td>
<td>Gauge 0-100 PSI</td>
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<tr>
<td>5</td>
<td>2</td>
<td>600216</td>
<td>Inline Valve</td>
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<tr>
<td>6</td>
<td>1</td>
<td>600287</td>
<td>QD EL 12</td>
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<tr>
<td>7</td>
<td>2</td>
<td>600120</td>
<td>5/8&quot; Hose Clamp</td>
</tr>
<tr>
<td>8</td>
<td>1</td>
<td>600288</td>
<td>1/2&quot; Hose Clamp</td>
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<tr>
<td>9</td>
<td>4</td>
<td>600130</td>
<td>10-24 x 1.25 Screw</td>
</tr>
<tr>
<td>10</td>
<td>1</td>
<td>600213</td>
<td>Relief Hose Assembly</td>
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<tr>
<td>11</td>
<td>1</td>
<td>600315</td>
<td>Suction Hose Assembly</td>
</tr>
</tbody>
</table>

*Pump included depends upon model purchased.
**PowerFLO™ Series Pumps**

12 Volt DC Motor-Driven Diaphragm Pumps

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**Specifications —**

**Motor:**
- Type: 12 VDC, permanent magnet, totally enclosed, non-ventilated
- Leads: 18 AWG, 12" long
- Temperature Limits: Motor is not equipped with thermal protection. For user safety, optimal performance, and maximum motor life, the motor surface temperature should not exceed 150°F (66°C)

**Pump:**
- Type: 3 chamber positive displacement diaphragm pump, self priming, capable of being run dry, demand or bypass model.
- Certifications: NSF Standard 58
- Liquid Temperature: 140°F (60°C) Max.
- Priming Capabilities: 14 feet (4 m)
- Max Pressure: 60 PSI
- Inlet/Outlet Ports: 7802: Quick Attach

**Materials of Construction:**
- Housing: Polypropylene
- Diaphragm: Santoprene
- Valves: Viton
- Fasteners: Stainless steel

**Weight:** 6 lbs (2.7 kg)

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**Specifications —**

**Motor:**
- Type: 12 VDC, permanent magnet, totally enclosed, non-ventilated
- Leads: 14 AWG, 12" long
- Temperature Limits: Motor is not equipped with thermal protection. For user safety, optimal performance, and maximum motor life, the motor surface temperature should not exceed 180°F (82°C)

**Pump:**
- Type: 5 chamber positive displacement diaphragm pump, self priming, capable of being run dry, demand or bypass mode.
- Certifications: NSF Standard 58
- Liquid Temperature: 140°F (60°C) Max.
- Priming Capabilities: 14 feet (4 m)
- Max Pressure: 45 PSI
- Inlet/Outlet Ports: 5900: Quick Attach

**Materials of Construction:**
- Housing: Polypropylene
- Diaphragm: Santoprene
- Valves: Viton
- Fasteners: Stainless steel & Zinc plated

**Weight:** 6 lbs (2.7 kg)

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**Installation and Operation Precautions —**

1. The pump is equipped with a pressure sensing demand switch that controls the maximum operating pressure.
2. In addition, never subject the pump to pressures above 125 PSI (8.5 bars).
3. As long as there is inlet water pressure, the pump will not stop forward flow of water even if the motor is turned off. Be sure the system has positive means of shutting off water supply.
4. Do not operate pump in an explosive environment. Arcing from the motor brushes, switch or excessive heat from an improperly cycled motor may cause an explosion.
5. Do not locate the pump motor near low temperature plastics or combustible material. The surface temperature of the motor may exceed 250°F (120°C).
6. Do not pump gasoline or other flammable liquids. Pump head materials are designed for use with water only. Do not use with petroleum products.
7. Do not assume fluid compatibility. If the fluid is improperly matched to the pumps’ elastomers, a leak may occur.
8. To prevent electrical shock, disconnect power before initiating any work. In the case of pump failure, the motor housing and/or pump fluid may carry high voltage to components normally considered safe. Therefore, always consider electrical shock hazard when working with and handling electrical equipment. If uncertain, consult an electrician. Electrical wiring should only be done by a qualified electrician per local and state electrical codes.

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**Recommendations —**

**Electrical:**
1. The PowerFlo™ series pumps are designed for intermittent duty. Make sure that “OFF” periods are sufficient. Refer to Rapid ON/OFF Operation. Consult the factory for particular data and design criteria.
2. Be sure power supply used is adequate for the application.
3. Pump and motor specifications are based on an alternator charged battery (13.7 VDC)
4. Use sufficient battery supply power. UTV and lawn tractor batteries may affect pump performance due to low voltage and amp ratings.

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**Servicing —**

Every Year: Check system against operating standards.
Every 2-3 Years: We recommend replacing the diaphragm and checking against operating standards.

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*Important return safety instructions:*

When you return your pump for warranty or repair, you must always do the following:
1. Flush chemical residue from the pump (best done in the field).
2. Tag pump with type of chemicals having been sprayed.
3. Include complete description of operation problem, such as how pump was used, symptoms of malfunction, etc. Since pumps can contain residues of toxic chemicals these steps are necessary to protect all the people who handle return shipments, and to help pinpoint the reason for the breakdown.