



**WARNINGS:**

- Always unplug unit before attempting to service.
  - Never spray flammable material.
  - Do NOT operate near flammable materials.
  - Use only original manufacturer parts.
  - Do NOT modify from original specifications.
  - Replace damaged hoses immediately.
    - Always wear protective clothing & eye wear when operating.
  - Release pressure before disconnecting spray control gun and spray wand.
  - Disconnect or unplug unit when not in use.
    - Never immerse pump.

**NO FLAMMABLES!  
NO TO FOR USE WITH FLAMMABLE PRODUCTS!  
DO NOT CLEAN THIS SPRAYER WITH FLAMMABLE  
PRODUCTS INCLUDING XYLENE & ACETONE!**

**Pump will not start:**

- Check the circuit breaker
- Check for proper voltage (+/-10%) & good electrical connections
- Check pressure switch for proper operation
- Check motor for an open or grounded circuit
- Check for a locked drive assembly

**Leaks from pump head or switch:**

- Check for loose screws at the switch or pump head
- Switch diaphragm may be torn or pinched

**Noisy or Rough Operation:**

- Check for loose upper housing or drive screws
- Is the surface that the pump is sitting on magnifying the normal noise

**Pump will not shut off:**

- If recirculator is installed it will need to be adjusted to 175psi for the pressure switch to operate
- Check that the outlet hose is closed and does not leak
- Check for trapped air in the head or outlet hose
- Check for proper operating voltage (+/-10%) to pump
- Check valve assembly for wear
- Check for loose drive assembly or upper housing screws
- Check pressure switch to verify it has not moved out of adjustment

**Pump will not prime:**

- Out of product
- Check for debris in strainer
- Check for vacuum leak in suction hose
- Check suction tube and outlet hose for kinks or clogs
- Check for debris in valve plate
- Check for proper operating voltage (+/-10%) with the pump operating
- Check upper housing for cracks
- Be sure spray control handle and spray tip are open and free of debris
- If pump has been sitting, try turning the unit upside down and pour water into the suction hose or attach a garden hose to the suction hose and turn the garden hose on. Then turn the unit on. This procedure will force water thru the valves and free them if they are sticking.

**If you have any questions regarding the use or repair of this product please feel free to contact Customer Support by telephone: 800.801.7832 – 847.639.7272 or via email: support@4progressive.com.**

**DIRECTIONS FOR USE:**

1. Position the unit on top of the container you wish to dispense from and insert the suction hose. The brass suction nozzle is threaded so that a garden hose may be connected to lengthen the suction line or give the operator the ability to spray water. The maximum vertical self prime is 15 feet.
2. Set the **power/circuit breaker switch** to the **OFF** position. Then connect the **power source** to the **power port**:

**AC Operation:**

- Insert red/black connector from **power supply** (PN: 69118) directly to **power port** on back of pump cover.
- \*\*To extend your reach, insert the 25 ft. red/black **extension power cable** (PN: 69120) to the **power port** and then connect the **power supply** (PN: 69118) to the **extension power cable** (PN: 69120).
- Connect yellow power **supply plug** to a properly grounded outlet. Use only provided **power supply** (PN: 69118).

**DC Operation:**

- Insert red/black connector from 25 ft. **extension power cable** (PN: 69120) to **power port** on back of pump cover.
- Attach red/black connector of **extension power cable** (PN: 69120) to the connector of the **battery clamp adaptor** (PN: 69119).
- Connect the RED (+) clamp to the positive battery terminal. Then connect the BLACK (-) clamp to the grounded metal portion of the chassis or engine.
- For stand alone battery applications, the BLACK (-) clamp may be connected directly to the negative battery terminal.

3. Squeeze the spray control gun trigger to relieve any pressure, then disconnect the spray control gun. Insert hose end into container. Switch power to ON position and allow unit to prime.
4. When primed, switch unit OFF and re-connect the spray control gun and wand if not already connected. If the product must be circulated before spraying, leave unit ON with hose or wand end in the container and allow product to circulate. A pressure activated bypass is available for products that need to be continuously circulated.

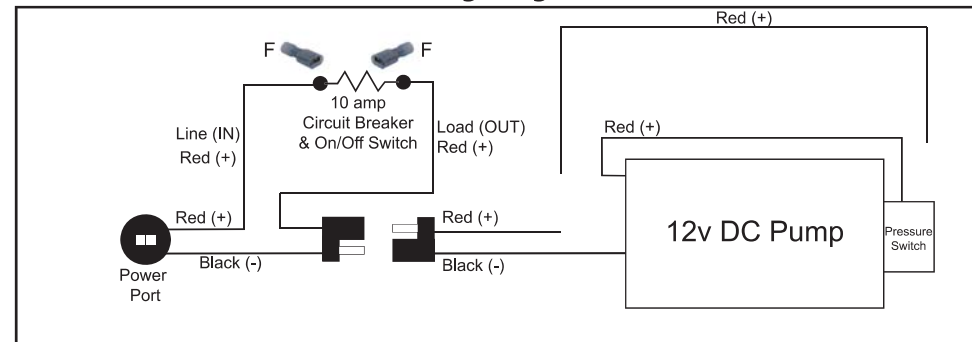
**DIRECTIONS FOR CLEANING: MUST BE CLEANED AFTER EVERY USE!**

1. After spraying, remove suction hose from container. Insert wand end into container and hold spray control gun in **OPEN** position. Allow the unit to expel unused material back into container. The wand and spray tip are left attached to provide a back pressure that will help expel 90% of the unused material out of the unit.
2. Then circulate either soap and water or other recommended cleaning solution through the unit until it comes out clean and clear. **NEVER USE STRAIGHT XYLENE.** Depending upon the product sprayed, soap and water or diesel are best. **\*\*To flush the unit, remove the suction line screen and attach a garden hose directly to the suction line. Flush with clean water only.\*\***
3. Drain all liquid from the pump. Do NOT allow liquid to freeze in the pump. Failure to do this will result in damage to the internal components of the pump.
  - In freezing conditions, draw some windshield washer fluid or diesel into the pump to protect against freezing.








**ONE SPRAYER DOES  
AC AND DC POWER**











**Wiring Diagram**









**Base Plate Parts**

Qty	PN	Description	
1	01001	Base Plate	
4	01010	10/24 x 1" Bolt	
4	01012	10/24 Nylon Lock Nut	
4	01014	Rubber Foot	
1	01017	9/16 - 18 Jam Nut	
4	01028	3/16 x 1" Flat Washer	
1	01036	Male Quick Connect (MPT)	














**Motor Cover Parts**

Qty	PN	Description	
1	01004	Pump Cover	
2	01008	10/24 x 3/8 Bolt	
2	01012	10/24 Nylon Lock Nut	
1	01189	Power Port w/SAE Connector	
1	69118	120V to 12V Power Supply	
1	69119	12V Battery Clamp Connector	
1	01113	Circuit Breaker 10amp-DC	
1	01118	Nylon Hole Plug - 1 in.	











**Spray Control Parts**

Qty	PN	Description	
1	64301	18" HD Straight Wand	
1	64311	18" HD Curved Wand	
1	66400	Brass Spray Control Gun	
1	65310	0.5 gpm HD Brass Fan Tip	
1	65320	1 gpm HD Brass Fan Tip	
1	65130	Adj. Brass Cone Nozzle	

**Pump / Suction Parts**

Qty	PN	Description	
1	01003	12v DC Pump Complete	
4	01188	Pump Head Complete	
4	01009	10/24 x 1 1/4 Bolt	
4	01012	10/24 Nylon Lock Nut	
1	01015	3' 10" Suction Hose	
1	01131	Suction Screen w 1/2 MPT	
1	01061	FGHT x 1/2 HB - Brass	
1	01173	3/4 MGHT x 1/2 FPT Brass Adapter	
1	01187	3/4 Quick Cnnct x 3/8 Barb	
1	01186	3/4 Quick Cnnct x 1/2 Barb	
1	01185	Viton O-Ring for Barbs	
1	01031	5/8 Two Ear Clamp	
2	01032	3/4 Two Ear Clamp	







**Hose Reel Parts**

Qty	PN	Description	
1	01000	100' Capacity Hose Reel	
4	01011	5/16 x 1/2 Bolt	
4	01013	5/16 Serrated Lock Nut	
1	01018	100' Yellow Chem Hose	
1	61028	Female Quick Connect	
1	01127	1/4 MPT x 3/8 HB <small>HE NO STRAIN</small>	
1	01050	Handle Kit w/ Hose Clamp	
2	01107	90° Brass Elbow	
2	01109	Viton O-Ring for Swivel	
1	01110	19in. Reel - Reel Yellow Whip	
1	01060	5/8 Worm Gear Clamp	



**POWER PORT RUNS WITH  
AC OR DC POWER  
CONNECTORS  
EXTEND YOUR CONNECTORS  
WITH THE 25FT POWER CABLE**

**Optional Parts & Kits**

Qty	PN	Description	
1	69120	25ft. Ext. Power Cable	
1	67000	Recirculator Kit	
1	69100	RP Stock Wand Rplcmnt Kit	
1	69101	100' Hose Extension Kit	
1	69102	100' Hose Replacement Kit	
1	64225	Telescoping Spray Lance-Green <small>Adjusts from 8 feet to 24 feet.</small>	
1	64235	Telescoping Spray Lance-Green <small>Adjusts from 6 feet to 12 feet.</small>	