



- 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.

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 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.

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

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.

PN:01088

DIRECTIONS FOR USE:

- Position the unit on top of the container you wish to dispense from and insert the suction hose. The brass suction nozzle has been 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.
- Set the power/circuit breaker button to the off position. The unit is OFF when the white band is visible around the button. Then connect the power source.
 - AC - Insert the plug into a grounded outlet.
 - DC - Connect the RED (+) clamp to the positive battery terminal. Then connect the BLACK (-) clamp to a 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.
- Squeeze the spray control gun trigger to relieve any pressure, then disconnect the spray control gun. Insert hose end into container. Depress power button inot the ON position and allow the unit to prime.
- When primed, turn 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.

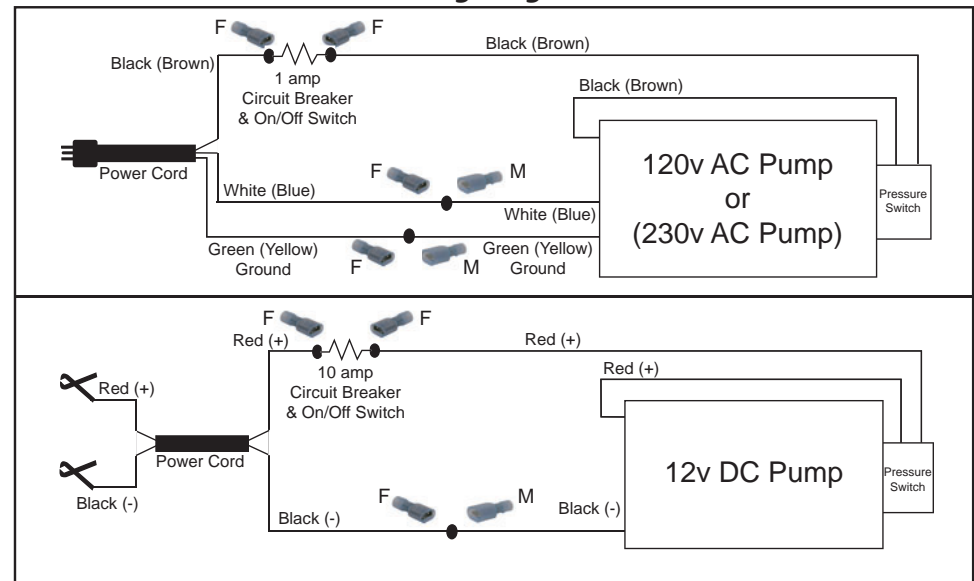
FOR USE WITH ALL REAL PUMP EXPRESS POWER SPRAYERS








DIRECTIONS FOR CLEANING: MUST BE CLEANED AFTER EVERY USE!

- After spraying, remove the suction hose from the container. Insert the wand end into the container and hold the spray control gun in the OPEN position. Allow the unit to expel the unused material back into the container. The wand and the spray tip are left attached for this process to provide a back pressure that will help expel 90% of the unused material out of the unit.
- 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.** Soap and water or diesel are best.
- 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.

Wiring Diagrams















Base Plate Parts

Qty	PN	Description	
1	01117	Base Plate	
2	01009	10/24 X 1 1/4" Bolt	
1	01010	10/24 x 1" Bolt	
5	01012	10/24 Nylon Lock Nut	
3	01014	Rubber Foot	
3	01028	3/16 x 1" Flat Washer	
2	01121	10/24 x 2" Bolt	










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	01021	Anti-Strain Cord Lock	
1	01022	Cord Lock Nut	
1	01024	9' AC Power Cord w/ Plug	
1	01026	Positive Bat Clip DC - red	
1	01027	Negative Bat Clip DC - black	
1	01100	25' DC Power Cord w/ Clips	
1	01105	9' AC Power Cord "EU"	
1	01112	Circuit Breaker 1amp - AC	
1	01113	Circuit Breaker 10amp - DC	
1	01114	Crkt Breaker Slip On Cover	
1	01118	Nylon Hole Plug - 1 in.	

























Spray Control Parts

Qty	PN	Description	
1	64001	18" Straight Wand	
1	64011	18" Curved Wand	
1	64200	12" Poly Straight Wand	
1	64211	18" Poly Curved Wand	
1	65110	0.5 gpm Brass Fan Tip	
1	65120	1 gpm Brass Fan Tip	
1	64230	Adjustable Poly Cone Nozzle	
1	65270	Poly Tip Kit	
1	61032	Poly Shut Off w/ 3/8" HB	
1	61033	Brass Shut-off w/3/8" Slip On End	
1	61034	Brass Shut-Off w/ 1/8 FTP	
1	01055	Mail Quick Connect - 1/8MPT	

Hose Parts

Qty	PN	Description	
1	01018	100' Yellow Chem Hose	
1	01093	50' Yellow Chem Hose	
4	01119	25' Yellow Chem Hose	
1	01020	Femal Quic Connect	
2	01031	5/8" Two Ear Clamp	
1	01122	12" Yellow Whip	
1	01120	3/8" HB x 3/8" HB Splice, Nylon	
1	01124	3/8" HB x 3/8" HB Splice, Brass	
1	01060	5/8 Worm Gear Clamp	







Pump / Suction Parts

Qty	PN	Description		Qty	PN	Description	
1	01002	120v AC Pump Complete		4	01040	Elec Female Term Cnnctr	
1	01003	12v DC Pump Complete		1	01063	Pressure Swtch Assm	
1	01007	230v AC Pump Complete		1	01064	Check Valve Components	
1	01015	3' 10" Suction Hose		1	01065	Upper Housing	
1	01102	Brass Suction Nozzle		1	01066	Valve Plate Assembly	
1	01101	Screen - Suction Nozzle		1	01067	Std Diap/Piston Cmpts	
1	01103	3/8 Quick Cnct x 3/8 Barb		1	01068	Water Only Diap/Pstn Cmpts	
1	01104	3/8 Quick Cnct x 1/2 Barb		1	01069	Oil Only Diap/Piston Cmpts	
2	01031	5/8 Two Ear Clamp		1	01070	Drive Assembly	
1	01032	3/4 Two Ear Clamp		1	01071	115v AC Motor Only	
1	01060	5/8 Worm Gear Clamp		1	01072	12v DC Motor Only	
2	01115	Insulated Male Disconnect		1	01106	230v AC Motor Only	

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POWER SPRAYERS**



Parts & Kits

Qty	PN	Description	
1	67000	Recirculator Kit	
1	69101	100' Hose w/Quick Connect	
1	69103	50' Hose w/Quick Connect	
1	69105	25' Hose w/Quick Connect	
1	69106	Standard Push-On Kit PNs: 64001,64011,61034,65120,65110	
1	69107	Standard Quick-Connect Kit PNs: 64001,64011,61033,65120,65110	
1	69108	Corrosion Resistant Kit PNs: 64200,64211,61032,65270,64230	