

**IF YOU HAVE QUESTIONS OR CONCERNS, OR ARE MISSING PARTS...DO NOT RETURN  
SPRAYER TO THE STORE!**

**PLEASE CALL OUR CONSUMER HOTLINE AT 1-800-253-4642**

**Year-round Mon.-Fri., 8 a.m. - 7 p.m. ET March 1 – August 31 Sat. and Sun. 10:00 a.m. to 4:00 p.m.  
ET**

**Or write us at: Root-Lowell Manufacturing Co. • 1000 Foreman Rd.  
P.O. Box 289 • Lowell, MI 49331**

**Visit us on the Internet at: <http://www.rflomaster.com> e-mail: [service@rflomaster.com](mailto:service@rflomaster.com)**

# **RL FLOMASTER®**

## **OPERATION AND SERVICE INSTRUCTIONS for 3PC FLO-N-GO Sprayer**

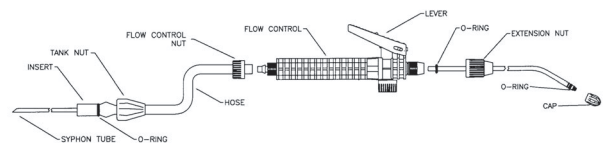
**WARNING!!! THIS PRODUCT IS DESIGNED TO SPRAY CHEMICALS THAT MAY BE HARMFUL AND  
COULD CAUSE SERIOUS PERSONAL INJURY IF INHALED OR BROUGHT INTO CONTACT WITH THE  
USER. FAILURE TO READ AND FOLLOW OPERATING INSTRUCTIONS BEFORE USE AND/OR MISUSE  
OF THIS PRODUCT COULD RESULT IN EXPLOSIVE FAILURE WITH MAJOR INJURIES.**

- **ALWAYS water** test unit before using.
- **ALWAYS** wear protective clothing, eye protection, and gloves.
- **ALWAYS READ AND FOLLOW** label instructions for chemicals to be applied.
- **AFTER USE** - release pressure, empty, and clean the sprayer.
- **RELEASE** pressure in sprayer before servicing.
- **DO NOT** alter sprayer.
- **DO NOT** spray gasoline or other flammables.
- **DO NOT** store liquids in tank.
- **DO NOT** leave sprayer in the sun.

### **HOSE/FLOW CONTROL ASSEMBLY**

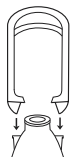
To insure complete insertion into tank, lubricate (use grease or petroleum jelly), the o-ring on the hose insert, then slide into tank until fully seated. Slide nut to threaded connection and securely screw onto tank. **BE SURE TO FIRST INSERT SIPHON TUBE INTO HOSE INSERT OTHERWISE SPRAYER WILL NOT OPERATE.**

Attach extension by inserting into flow control until fully seated then screw into place.



### **HANDLE ASSEMBLY**

Slip handle over "wings" on top of tank. Push down, position and thump sides of handle into place.



### **OPERATING INSTRUCTIONS:**

1. Remove the pump from the tank by turning counter clockwise.
2. Prepare spray solution following instructions provided with the chemicals. For best results, mix in a separate container and strain through cloth sieve when pouring into tank. Do not fill tank above the maximum fill marker.
3. Close tank by inserting pump assembly through opening. Turn clockwise until pump is sealed tightly into tank.
4. When the sprayer is filled, 20-30 strokes on the pump should supply enough pressure for spraying. More strokes will be needed if tank is only partially filled. As the fluid level goes down, more strokes may be needed. To work the pump, unlock pump handle from pump cap by turning counter clockwise. Lock the handle again by turning clockwise.

5. To start spraying, squeeze the flow control lever. Release pressure from the lever and the spray will stop. To spray continuously, squeeze the lever, and slide the lock forward.
6. If your sprayer has an adjustable cone nozzle, screw it in clockwise for a fine mist, and counter clockwise for a coarse stream.
7. To depressurize the tank, turn the tank upside down. Squeeze the flow control lever until all air pressure is gone. If your sprayer has a pressure relief valve, pull up on the valve stem.

**WARNING!!! To prevent ejected pump assembly and/or solution from striking and injuring you, never stand with face or body over the top of the tank when pumping or loosening pump.**

8. Empty any remaining solution into a proper storage container or disposal container. Do not store chemicals in the tank. If the chemical is stored in the tank, it can clog the system as it dries and can promote corrosion.
9. Clean the sprayer after each use to prolong its life. After using water-based products, rinse thoroughly with water, being sure to flush out hose and flow control. After spraying solvent or oil-based products, follow chemical manufacturer's recommended cleaning procedure.
10. To store the sprayer, hang the tank upside down with the pump removed and the flow control locked "on". This allows for proper drainage and drying.
11. Check for worn or damaged parts frequently.

**MAINTENANCE AND DISASSEMBLY:** To keep the pump working smoothly and efficiently, the plunger u-cup seal needs to be lubricated often.

**To open pump assembly:**

Unscrew pump cap (B) and pull out plunger assembly (A) from cylinder (D).

**If the pump leaks at the tank opening:**

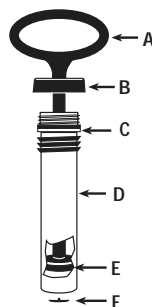
Clean or replace the cylinder gasket (C).

**If pump doesn't pressurize your sprayer:**

Lubricate the plunger cup (E) with petroleum jelly or replace.

**If pump won't pressurize and/or liquid gets in the pump:**

Clean or replace the check valve



- A. Plunger Assembly/Pump handle
- B. Pump Cap
- C. Cylinder Gasket
- D. Cylinder Assembly
- E. Plunger Cup
- F. Check Valve

**TROUBLESHOOTING:** Always depressurize the sprayer, remove chemical solution, and clean the sprayer before making repairs. Refer to the parts diagram for part numbers and names. Replacement parts may be purchased at most RL **FLO-MASTER dealers**, or they can be ordered from our Consumer Service Hotline at **1-800-253-4642**.

**PROBLEM:** Hose leaks at tank connection.

**CAUSE:** (1) Hose/tank screw connector loose OR (2) Hose damaged.

**SOLUTION:** (1) Tighten screw connector - hand tighten only. OR (2) or replace with new hose/flow control assembly.

**PROBLEM:** Flow control leaks.

**CAUSE:** (1) Extension o-ring prevented from sealing by dirt or damage OR (2) Extension nut not screwed in all the way on the flow control.

**SOLUTION:** (1) Clean and examine o-ring, replace if damaged OR (2) Push extension into flow control until it snaps into place. Then screw extension nut into flow control. Hand tighten only.

**PROBLEM:** Bad spray pattern or low spray volume.

**CAUSE:** Extension nozzle clogged with dirt or damaged.

**SOLUTION:** Remove nozzle and clean. Remove extension and clean. If extension cannot be unclogged, replace it.

**PROBLEM:** Nozzle leaks when flow control is closed.

**CAUSE:** (1) Extension o-ring prevented from sealing by dirt or damage. OR (2) Nozzle is worn.

**SOLUTION:** (1) Clean and examine o-ring, replace if damaged. OR (2) Replace nozzle cap.

**PROBLEM:** Leak at tank opening.

**CAUSE:** (1) Pump cylinder not sealed tightly into tank OR (2) Damaged cylinder gasket or o-ring.

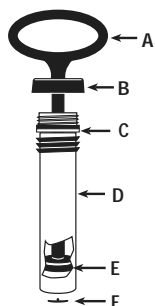
**SOLUTION:** (1) Apply grease or petroleum jelly to cylinder gasket. OR (2) Thoroughly clean cylinder gasket or o-ring and surrounding area then apply grease or petroleum jelly to cylinder gasket. OR (3) Replace with new gasket or o-ring.

## REPAIR KITS

If you need repairs kits, please call our CONSUMER SERVICE HOTLINE at 1-800-253-4642, Monday through Friday 8:00 a.m. to 7:00 p.m.; March 1 through August 31 10:00 a.m. to 4:00 p.m. All times are Eastern.

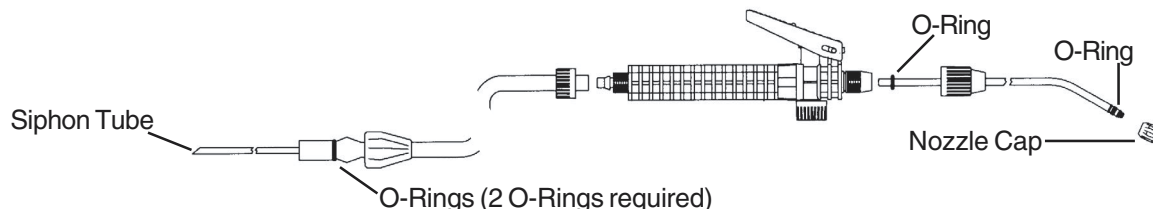
Description	Part Number
25ft. Coil hose with siphon tube flow control assembly	850-000
Wheel kit included 2 wheels, 2 washers and 2 caps	850-001
Siphon tube	956-385
Pump Assembly	147-190
Extension wand with nozzle cap	942-207
Soft goods kit includes all seals, o-rings and gaskets	850-002
Nozzle cap kit includes adjustable and flat fan nozzle	942-111

### PUMP ASSEMBLY



- A. Plunger Assembly/Pump handle
- B. Pump Cap
- C. Cylinder Gasket
- D. Cylinder Assembly
- E. Plunger Cup
- F. Check Valve

### HOSE, FLOW CONTROL, EXTENSION AND SIPHON TUBE



### LIMITED WARRANTY

Root-Lowell Manufacturing Co. warrants to the original purchaser only that this product will continue to function as intended if used in accordance with operating instructions (under NORMAL CONSUMER USE) for the time period as specified. If the product fails to function as intended—DO NOT RETURN IT TO THE STORE—call our **CONSUMER SERVICE HOTLINE AT 1-800-253-4642 (toll free) for fast service.** We will, at our option, repair or replace any non-functioning parts without charge (shipping and handling charges will apply.) Root-Lowell Manufacturing Co. shall have the option of requiring the return of the non-functioning product to the address listed below together with the proof of purchase to establish a claim under this warranty. This warranty does not apply to damage resulting from accident, misuse, neglect, alterations, operation not in accordance with instructions, commercial use, or normal wear of o-rings or seals.

ANY IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR CONSUMER USE, ARE LIMITED TO THE DURATION SPECIFIED ABOVE. ROOT-LOWELL MANUFACTURING CO.'S LIABILITY IS LIMITED SOLELY TO THE REPAIR OR REPLACEMENT OF THE NON-FUNCTIONING PRODUCT OR PART. ROOT-LOWELL MANUFACTURING CO. EXCLUDES LIABILITY UNDER THIS WARRANTY FOR ANY AND ALL INCIDENTAL AND CONSEQUENTIAL LOSS OR DAMAGE.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so these limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

IF YOU HAVE QUESTIONS OR CONCERNS, PLEASE CALL OUR **CONSUMER SERVICE HOTLINE AT 1-800-253-4642** (Mon. through Fri., 8:00 a.m. to 7:00 p.m. EST) or **WRITE:** ROOT-LOWELL MANUFACTURING CO. • ATTN: CONSUMER SERVICE • 1000 FOREMAN ROAD • P. O. Box 289 • LOWELL, MICHIGAN 49331-0289.