

IF YOU HAVE ANY 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., 8:00 a.m. to 7:00 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: [www.rlflomaster.com](http://www.rlflomaster.com)  
 e-mail: [service@rlflomaster.com](mailto:service@rlflomaster.com)

# **RL FLOMASTER**

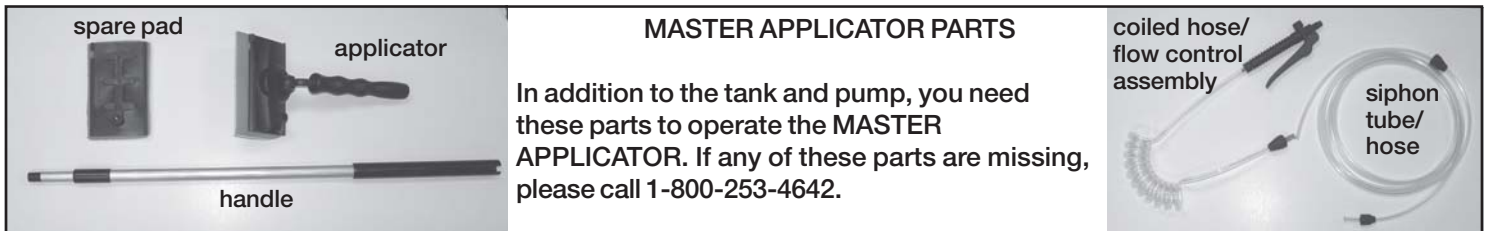
## **MASTER APPLICATOR**

### Owners' Manual

models 3001MA, 3002Q and 3002MA

**WARNING!!! THIS PRODUCT IS DESIGNED TO APPLY 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 OWNERS' MANUAL INSTRUCTIONS BEFORE USE AND/OR MISUSE OF THIS PRODUCT COULD RESULT IN EXPLOSIVE FAILURE WITH MAJOR INJURIES.**

- **ALWAYS** water test applicator before each use. Straining solidified masses out of stain/sealant will help prevent clogging of the applicator.
- **ALWAYS** wear long sleeve shirts, long pants, goggles, gloves and durable shoes.
- **ALWAYS READ AND FOLLOW** label instructions for the products to be applied.
- **AFTER USE** release pressure and clean the applicator.
- **ALWAYS RELEASE** pressure in applicator before servicing.
- **DO NOT** alter the applicator or any components.
- **DO NOT** apply flammable, caustic (i.e. acids, chlorines and bleach), corrosive, heated or self-heating solutions with the applicator.
- **DO NOT** store liquids in the applicator.
- **NEVER** fill tank above the "MAX FILL LINE" on the tank.

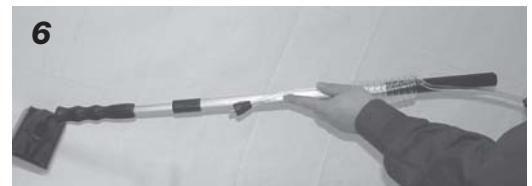


### ASSEMBLY INSTRUCTIONS

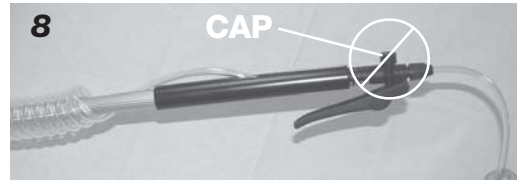
1. The hose end is to be used as the siphon tube. Measure 14" from the end of hose to the o-ring and the retainer.
2. Insert siphon tube/hose into the tank.
3. Screw hose nut to tank; firmly hand tighten only.



4. Connect the coiled hose/ flow control assembly to the siphon tube/ hose. Firmly hand tighten only.
5. Attach handle to applicator. Handle extends to 42." To extend handle, twist top of handle counter clockwise and pull to desired length, then twist clockwise to tighten.
6. To attach coiled hose/flow control assembly to handle, slide coiled portion of hose over the handle.



7. To attach coiled hose/ flow control assembly to handle, slide into end of handle so that hose slides into and through the slot in handle.
8. **DO NOT** remove cap while using the applicator
9. Attach coiled hose/flow control assembly to applicator.
10. Hand tighten only.



**TO ENSURE CORRECT ASSEMBLY, TEST WITH WATER BEFORE USING.**

### OPERATING INSTRUCTIONS

#### A. FILLING THE TANK

1. Remove the pump assembly from the tank by turning counterclockwise.
2. Pour the product to be applied into the tank.
3. **DO NOT** put flammable, caustic (i.e. acids, chlorines and bleach), corrosive, heated or self-heating solutions in the applicator.
4. Screw the pump assembly back into the tank by turning clockwise. Firmly hand tighten.
5. **NEVER** fill tank above the "MAX FILL LINE" on the tank.



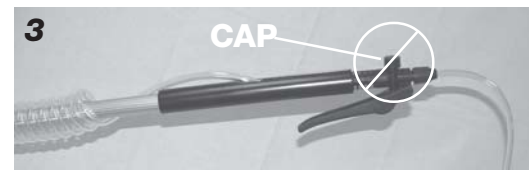
#### B. PRESSURIZING THE APPLICATOR

1. To operate the pump, unlock the pump handle by turning counterclockwise. Be careful not to loosen the pump from the tank.
2. To create pressure, stroke up and down.
3. Lock the pump handle back into the pump assembly by turning clockwise.

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

#### C. APPLYING

1. To apply the product, squeeze the flow control lever.
2. To stop applying, release the flow control lever.
3. **DO NOT** remove cap while using applicator.
4. **ALWAYS** wear long sleeve shirts, long pants, goggles, gloves and durable shoes.



#### D. RELEASING PRESSURE

1. To relieve pressure, turn pressure relief valve (yellow knob on tank) clockwise until all air pressure is gone.
2. If the tank is clogged and the pressure will not release using the pressure relief valve, do the following:
  - a. Place a rag over the top of the tank and pump assembly.
  - b. While firmly pushing down on the pump handle, slowly turn counterclockwise.
3. **ALWAYS RELEASE** pressure in tank before servicing.
4. **NEVER** leave pressurized applicator unattended.

#### E. CLEANING

1. Do not store any product in the tank. If the product is stored in the tank, it can clog the system as it dries and destroy the seals and other components.
2. To prolong its life, clean the applicator after each use. After using water-based products, rinse thoroughly with soapy water then clean water, being sure to flush out the hose and flow control. After applying solvent or oil-based products, follow the product manufacturers' recommended cleaning procedure, following up with a thorough rinsing and flushing of the tank, hose and flow control with soapy water then clean water.

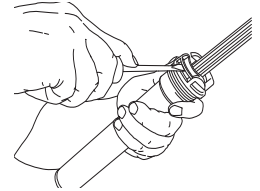
## F. STORAGE AFTER CLEANING

1. To store the applicator, remove the complete hose assembly (siphon tube/hose, coiled hose/flow control assembly) from the tank.
2. Loosen pump assembly, but leave in the tank.
3. Store all components in a clean, dry area.

## PUMP MAINTENANCE & DISASSEMBLY

To keep the pump working smoothly and efficiently, the plunger needs to be lubricated often by applying grease or petroleum jelly around the outside of the plunger. To lubricate the plunger do the following:

- Remove pump assembly from the tank.
- Unlock the pump handle and pull it out as far as it will go.
- With a flat blade screwdriver, push in on the tabs and lift up towards the handle. Repeat for the other side. Pull on the handle and the plunger assembly should come out of the pump cylinder.
- To reassemble, insert the plunger assembly into the cylinder and snap the tabs back into place.



## REPLACING THE APPLICATOR PAD

Push down on tab in top right corner, and slide the pad to the left until the pad is completely removed. To insert new pad, reverse process-tab will automatically snap into place securing the pad to the applicator.



Tab

## TROUBLESHOOTING

Always depressurize the tank, remove all product and clean the applicator before making repairs. Replacement parts may be purchased at the store where the applicator was purchased or they can be ordered from our **Customer Service Hotline at 1-800-253-4642.**

**PROBLEM:** Pump works hard or does not pressurize the tank.

**CAUSE:** Plunger either not lubricated or damaged.

**SOLUTION:** Apply petroleum jelly or grease around outside of plunger. Check for cracks or other damage and replace if necessary.

**PROBLEM:** Product or air leaks into pump cylinder.

**CAUSE:** Check valve on bottom of cylinder is prevented from sealing by dirt, residue or damage.

**SOLUTION:** Remove the pump assembly and examine the check valve. Clean if dirty; replace if necessary.

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

**CAUSE:** (1) Tank nut is loose or (2) hose insert o-ring is damaged.

**SOLUTION:** (1) Tighten hose tank nut or (2) replace hose insert o-ring.

**PROBLEM:** Flow control leaks.

**CAUSE:** Various components loose.

**SOLUTION:** Check and hand tighten all nuts and components.

**PROBLEM:** Leak at tank opening.

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

**SOLUTION:** (1) Thoroughly clean pump cylinder gasket or o-ring and surrounding area and apply grease or petroleum jelly to pump gasket or o-ring or (2) Replace gasket or o-ring.

**PROBLEM:** Fluid leaks from pressure relief valve.

**CAUSE:** Tank is over filled.

**SOLUTION:** Release pressure by following **"D. RELEASING PRESSURE, Step 2"**. **DO NOT USE** the pressure relief valve for releasing pressure. Remove excess fluid.

