# Lafferty Equipment Manufacturing, LLC
# Installation & Operation Instructions

## Model # 950735 · Compact Precision Fogger With Compressor Kit

## REQUIREMENTS

| | |
|---|---|
| **Ready-to-Use Chemical Solution** | |
| **Solution Temperature** | 120°F MAX |
| **Electric** | 120V - Min.15 AMP Circuit |

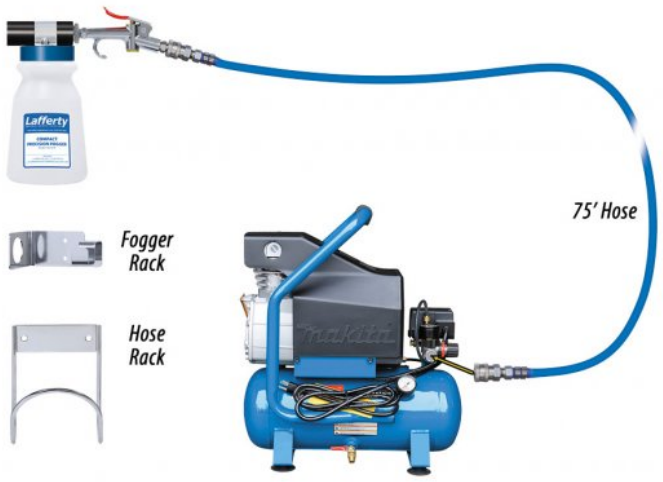
## OPTIONS

**Proportioning / Filling Options**

| | |
|---|---|
| 1-Way Ball Valve Mixing Station (4 GPM) | # 985100 |
| 1-Way Push Lever Mixing Station (4 GPM) | # 981100 |

**Additional Bottles**

| | |
|---|---|
| Bottle, 32oz (Includes Solid Lid) | # 709082 |




Lafferty® EQUIPMENT MANUFACTURING LLC

CFS TECHNOLOGIES

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**WARNING!** READ ALL INSTRUCTIONS BEFORE USING EQUIPMENT!

## OVERVIEW

The Compact Precision Fogger With Compressor Kit is a complete disinfection setup that can be permanently installed or relocated as needed. The Compact Precision Fogger uses compressed air to draw ready-to-use chemical solution from the attached bottle and project damp mist (fog) up to 15 feet. The adjustable output can wet surfaces at close range or spray into the air to cover exposed surfaces and penetrate hard-to-reach areas. This kit includes a 120V compressor, air hose, and Compact Fogger matched to the compressor specifications.

## SAFETY & OPERATIONAL PRECAUTIONS

- **Plug into a 15 amp circuit or larger. Do NOT use a light gauge extension cord!**
- To avoid voltage drop, power loss, and overheating of the motor, use extra air hose instead of an extension cord. Low voltage can cause damage to the motor.
- If an extension cord must be used: Use only an approved 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the air compressor. Make sure the extension cord is in good condition. Consult Compressor Manual for MINIMUM requirements.
- For proper performance do NOT modify, substitute nozzle, hose diameter or length
- Manufacturer assumes no liability for the use or misuse of this unit.
- ALWAYS wear protective clothing, gloves and eye-wear when working with chemicals.
- Always direct the discharge away from people and electrical devices.
- Follow the chemical manufacturer's safe handling instructions.
- NEVER fog flammable materials through the fogger.
- SPECIAL CAUTION: This fogger atomizes chemical into the air. Ensure that the area to be fogged has been evacuated of all people without proper respiratory protection!
- **Compressed Air Inlet Pressure should be regulated to a maximum of 90 PSI.**

## TO OPERATE

**Fill the air compressor with the included air compressor oil before operating.**

- Plug into a 120VAC 15 amp circuit or larger. The unit has been tested and, once filled with oil again, is ready to operate. The compressor air pressure is preset, no adjustments are needed.

**SPECIAL CAUTION: This fogger atomizes chemical into the air. Ensure that the area to be fogged has been evacuated of all people without proper respiratory protection! Upon completion of fogging, ensure that sufficient time has elapsed for all the fog to have dissipated before returning to the area without proper respiratory protection.**

To prevent chemical residue buildup, or if the unit will be out of service for an extended period, follow the Preventive Maintenance steps on page 4 of the instructions.

1. Ensure that all the ball valve on the compressor is in the closed position.
2. Connect air hose to compressor.
3. Plug in and turn on air compressor and allow it to pressurize the tank. Compressor will cycle on and off as needed.
4. Unscrew the fogger bottle, fill with ready-to-use chemical, and re-attach.
    - Don't over-tighten the bottle.
5. Connect Compact Fogger to air hose
6. Open the ball valve on the compressor
7. Direct the discharge in a safe direction. Press thumb gun lever to begin application.
8. When fogging is completed:
    - Release the thumb gun.
    - Return to the unit and close the air ball valve.
    - Press thumb gun, briefly, to relieve pressure in the hose.
    - Compressor can be left full or, if it will be out of service for a few days, drain the tank.

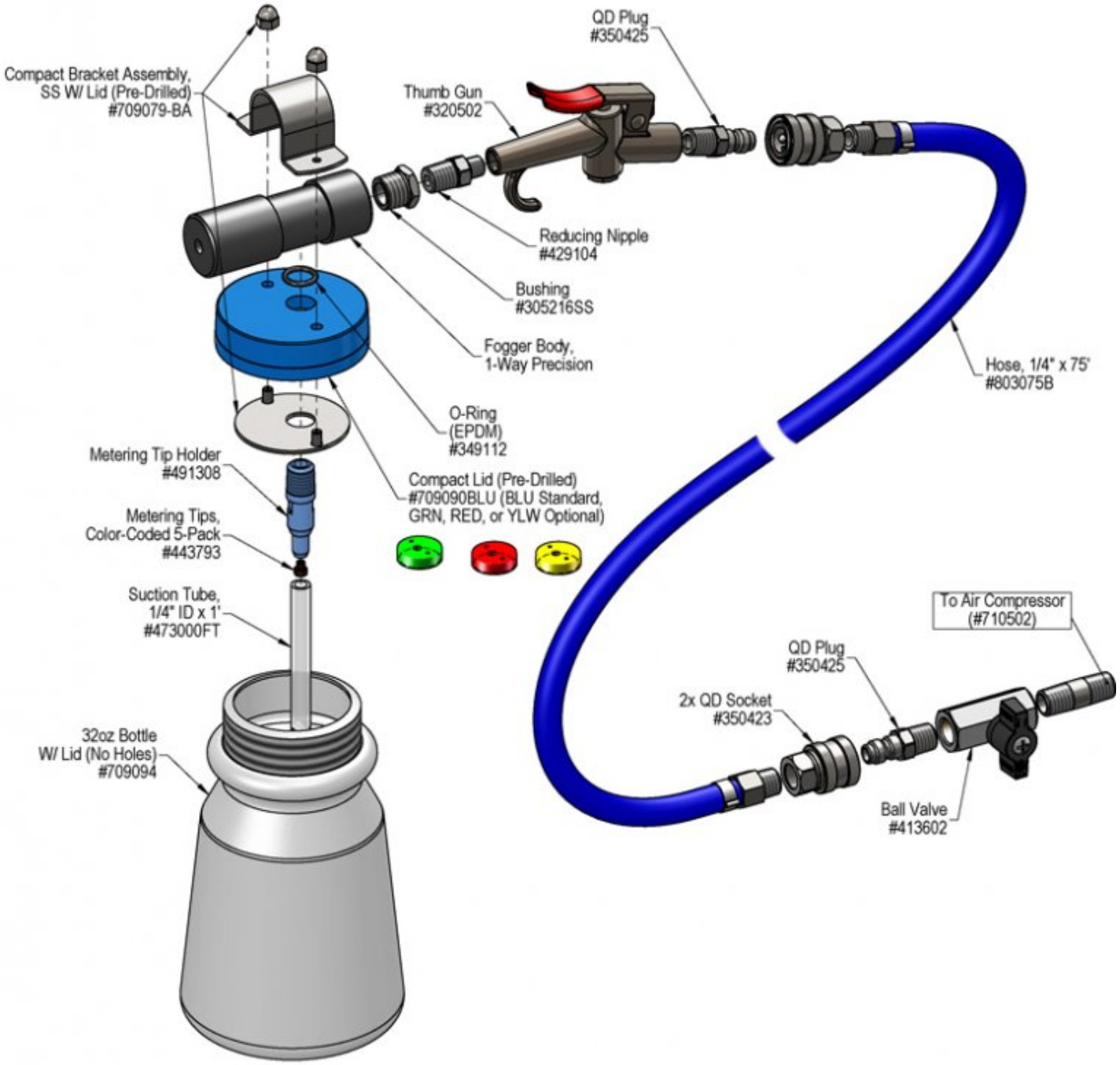
**To Adjust Output**

- Foggers may produce more volume than needed. If fog is too dense (wet), install a metering tip to reduce chemical usage and produce a lighter (drier) fog.
- Test without metering tip.

**METERING TIP SELECTION**

| METERING TIP COLOR | FL-OZ PER MIN |
|---|---|
| Brown | 0.56 |
| Clear | 0.88 |
| Bright Purple | 1.38 |
| White | 2.15 |
| Pink | 2.93 |
| Corn Yellow | 3.84 |
| Dark Green | 4.88 |
| Orange | 5.77 |
| Gray | 6.01 |
| Light Green | 7.01 |

The fl-oz/min shown are approximate values. Due to chemical viscosity, actual fl-oz/min may vary.


Compact Bracket Assembly, SS W/ Lid (Pre-Drilled) #709079-BA
QD Plug #350425
Thumb Gun #320502
Reducing Nipple #429104
Bushing #305216SS
Fogger Body, 1-Way Precision
Hose, 1/4" x 75' #803075B
O-Ring (EPDM) #349112
Metering Tip Holder #491308
Compact Lid (Pre-Drilled) #709090BLU (BLU Standard, GRN, RED, or YLW Optional)
Metering Tips, Color-Coded 5-Pack #443793
Suction Tube, 1/4" ID x 1' #473000FT
To Air Compressor (#710502)
QD Plug #350425
2x QD Socket #350423
32oz Bottle W/ Lid (No Holes) #709094
Ball Valve #413602

# Troubleshooting Guide

| Problem | Possible Cause / Solution | |
|---|---|---|
| | Startup | Maintenance |
| A) Fogger will not draw chemical or is sputtering | 1, 2, 3, 4 | 6, 7, 8 |
| B) Fog is too wet | 1, 4 | 5 |
| C) Air compressor will not turn on. | | 9 |

## Possible Cause / Solution

### Startup

1. **Air line too small, not enough air pressure or volume**
   - See REQUIREMENTS, page 1.
2. **Air pressure too high.**
   - Slightly close the air supply valve to lower the pressure by lowering the volume until the fogger smooths out.
   - The air compressor default factory setting is 90 PSI, which can be adjusted using the compressor regulator.
3. **Chemical tube kinked or not immersed in chemical or chemical depleted.**
   - Straighten tube / replenish chemical
4. **Drawing too much solution**
   - Install optional metering tip

### Maintenance

5. **Pin hole or cut in suction tube**
   - Replace suction tube.
6. **Chemical tube clogged up**
   - Clean or replace
7. **Metering tip or metering tip holder clogged**
   - Clean or replace metering tip and/or metering tip holder.
8. **Debris clogging the fogger inlet jets**
   - Disconnect air supply, remove fogger bodies and visually inspect; remove debris from fogger inlet.
9. **Problem with air compressor**
   - Refer to air compressor instruction manual.
   - Press the reset button. See manual.

PREVENTIVE MAINTENANCE: When the unit will be out of service for extended periods, place chemical tube(s) in water and flush the chemical out of the unit to help prevent chemical from drying out and causing build-up. Periodically check and clean chemical strainer and replace if missing.