Lafferty Equipment Manufacturing, LLC
Installation & Operation Instructions

Model # 950101-B · 305 Compact Fogger

REQUIREMENTS

Ready-to-Use Chemical Solution

Compressed Air	up to 7.4 CFM @ 80 PSI
Minimum Air Supply Line	3/8"

OPTIONS

Stainless Steel Hose Racks

Large Stainless Steel Hose Rack	# 224150
Small Stainless Steel Hose Rack	# 224145

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

To Regulate Incoming Airflow

Needle Valve, NPB, 1/4" FM	# 660797

WEIGHT & DIMENSIONS

Single Package

Shipping Weight	2 lbs.
Shipping Dimensions	15" x 8" x 5"



COLOR LIDS OPTIONS

Blue (Standard), Red, Green, Yellow

Lafferty EQUIPMENT MANUFACTURING LLC

CFS TECHNOLOGIES

www.laffertyequipment.com

501-851-2820

WARNING! READ ALL INSTRUCTIONS BEFORE USING EQUIPMENT!

OVERVIEW

The 305 Compact Fogger is a damp mist sprayer that uses compressed air (7.4 CFM @ 80 PSI) and venturi action to draw ready-to-use chemical solution from the attached bottle and project it up to 25 feet. The adjustable output can wet surfaces at close range or spray mist (fog) into the air to cover exposed surfaces and penetrate hard-to-reach areas.

SAFETY & OPERATIONAL PRECAUTIONS

- Manufacturer assumes no liability for the use or misuse of this unit.
- Wear proper respiratory protection, protective clothing, gloves and eye-wear when working with chemicals.
- Always direct the discharge away from electrical devices.
- Follow the chemical manufacturer's safe handling instructions.
- Carefully follow chemical manufacturer's safe handling instructions and recommended precautions/practices when using flammable chemicals.
- **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

SPECIAL CAUTION: This fogger atomizes chemical into the air. Ensure that the chemical is safe to be around or the area to be fogged has been evacuated of all people and/or animals before starting fogging. Upon completion of fogging, ensure that sufficient time has elapsed for all the fog to have dissipated before returning to the area. Wear proper respiratory protection, protective clothing, gloves and eye-wear when working with chemicals

1. Unscrew the bottle, fill with ready-to-use chemical, and re-attach.
    - Don't over-tighten the bottle.
2. Connect the inlet to a compressed airline.
3. Direct the discharge in a safe direction. Press thumb gun lever (or completely open ball valve) to begin application.
4. When application is complete, release the thumb gun lever (or close ball valve).
5. The fogger may produce more fog volume than needed.
6. If fog is too dense (wet), metering tips are included to restrict the chemical volume to produce a lighter (drier) fog.
7. Make final metering tip adjustments based on application results. Try the next larger sized metering tip until the results are acceptable.

COMPACT 305 1-WAY FOGGER

PROJECTS DAMP FOG/MIST UP TO 25'

COMPRESSED AIR FLOW (CFM)

PLUMES	60 PSI	80 PSI
1-Way	5.6	7.4

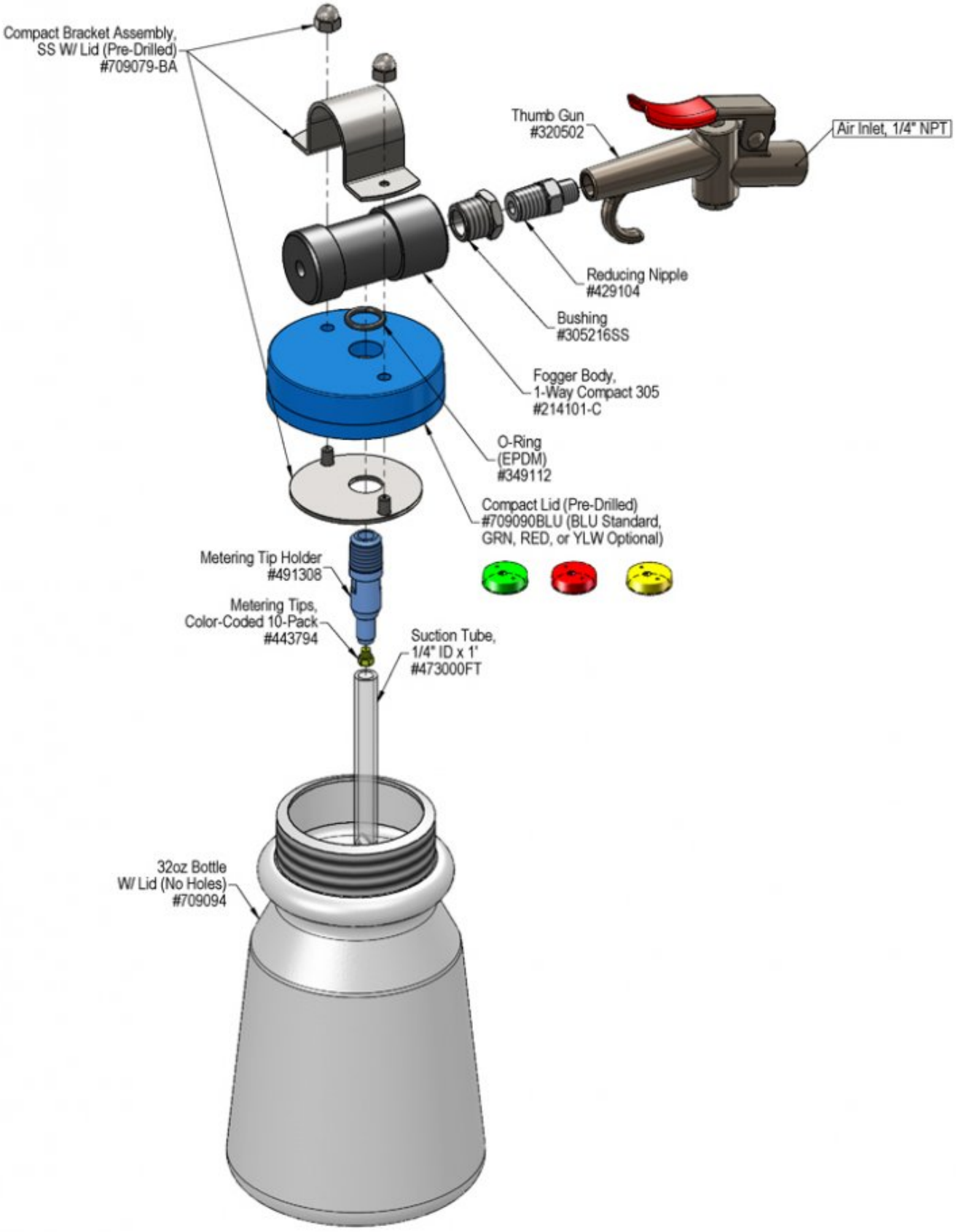
CHEMICAL SOLUTION DRAW RATE (FL-OZ/MIN)

DISTANCE	60 PSI	80 PSI
Hand Held	10.2	11.6

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
Thumb Gun
#320502
Air Inlet, 1/4" NPT
Reducing Nipple
#429104
Bushing
#305216SS
Fogger Body,
1-Way Compact 305
#214101-C
O-Ring
(EPDM)
#349112
Compact Lid (Pre-Drilled)
#709090BLU (BLU Standard,
GRN, RED, or YLW Optional)
Metering Tip Holder
#491308
Metering Tips,
Color-Coded 10-Pack
#443794
Suction Tube,
1/4" ID x 1'
#473000FT
32oz Bottle
W/ Lid (No Holes)
#709094

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

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.
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.

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.