Lafferty Equipment Manufacturing, LLC
Installation & Operation Instructions

Model # 950108 · 305 8-Way Fogger

REQUIREMENTS

Ready-to-Use Chemical Solution

Compressed Air	up to 59 CFM @ 80 PSI
Minimum Air Supply Line	1/2"

OPTIONS

Stainless Steel Jug Racks

1 Gallon Round/Square	# 224200
1 Gallon Round/Square Locking	# 224200-L
2 ½ Gallon (8 ½" x 10 ½")	# 224210
5 Gallon Round/Square Locking (12" x 12")	# 224214
5 Gallon Round/Square (12" x 12")	# 224215

Safe Flow Lid™ for 1 Gallon Jugs

Lid, Suction Tube, and Strainer	# 709101

To Control Solution Flow (Wetness of Fog)

Needle Valve, PVC, 1/4" FM	# 660781

WEIGHT & DIMENSIONS

Single Package

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



Lafferty EQUIPMENT MANUFACTURING LLC

CFS TECHNOLOGIES

www.laffertyequipment.com
501-851-2820

WARNING! READ ALL INSTRUCTIONS BEFORE USING EQUIPMENT!

OVERVIEW

The 305 8-Way Fogger is a damp mist sprayer that uses compressed air (59 CFM @ 80 PSI) and venturi action to draw ready-to-use chemical solution from a nearby container and project it up to 25 feet in 8 directions. The adjustable output sprays 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!**

TO INSTALL (REFER TO DIAGRAM ON NEXT PAGE)

1. Airline size must be sufficient to feed the number of foggers to be operated at one time.
2. Survey the area to be fogged and select the proper location for mounting the foggers. Keep the shading effect of obstacles in mind as you select the best location.
3. Install your air manifold and the drop down pipes for the foggers.
4. Foggers should be a minimum of 12" below ceiling.
   Install foggers, push the pickup tubes over the metering tip holders.
5. Place the tubes with strainers into containers of ready to use solution. 12' maximum draw, if foggers are mounted over 12' high the solution may have to be raised.

TO OPERATE

SPECIAL CAUTION: This fogger atomizes chemical into the air. Ensure that 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 without proper respiratory protection.

1. Make sure you are out of the immediate area to be fogged and turn on your air supply.
2. Fogger(s) will continue to run until air supply is turned off.
3. Depending on the application, you will have to experiment with the amount of time and solution required to achieve the desired results.

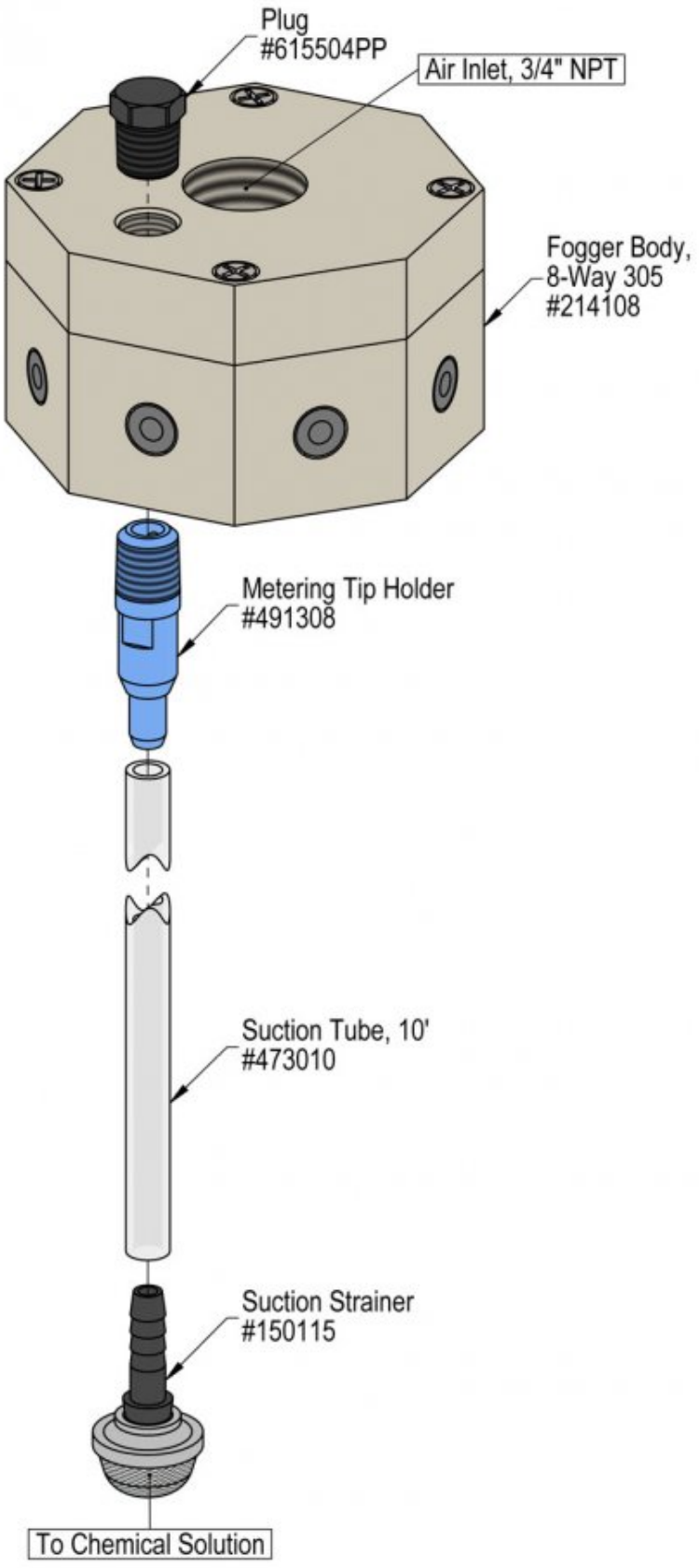
- Foggers may produce more volume than needed. If fog is too dense, an optional needle valve is available for restricting the solution volume to produce a lighter fog.

305 8-WAY FOGGER

PROJECTS DAMP FOG/MIST UP TO 25'

COMPRESSED AIR FLOW (CFM)		
PLUMES	**60 PSI**	**80 PSI**
8-Way	45.0	59.0

CHEMICAL SOLUTION DRAW RATE (FL-OZ/MIN)		
DISTANCE	**60 PSI**	**80 PSI**
12' Above Chemical	31.8	48.0
10' Above Chemical	50.1	69.5


Plug
#615504PP
Air Inlet, 3/4" NPT
Fogger Body,
8-Way 305
#214108
Metering Tip Holder
#491308
Suction Tube, 10'
#473010
Suction Strainer
#150115
To Chemical Solution

Troubleshooting Guide

Problem	Possible Cause / Solution	
	Startup	Maintenance
A) Fogger will not draw chemical or is sputtering	1, 2, 3, 4	6, 7, 8, 9
B) Fog is too wet	1, 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. **Fogger too high to draw chemical, 12' maximum**
   - Raise the level of the chemical
4. **Chemical tube kinked or not immersed in chemical or chemical depleted.**
   - Straighten tube / replenish chemical
5. **Drawing too much solution**
   - Order and install optional metering tip or needle valve (needle valve 4 & 8-Way only).

Maintenance

6. **Pin hole or cut in suction tube**
   - Replace suction tube.
7. **Chemical strainer clogged up**
   - Clean or replace
8. **Metering tip or metering tip holder clogged**
   - Clean or replace metering tip and/or metering tip holder.
9. **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.