# Lafferty Equipment Manufacturing, LLC
# Installation & Operation Instructions

## Model # 950144SS · 2-Way 305SS Tank Fogger W/ 3" Stainless Steel Cap

## REQUIREMENTS

| | |
|---|---|
| **Ready-to-Use Chemical Solution** | |
| **Compressed Air** | up to 14.8 CFM @ 80 PSI |
| **Minimum Air Supply Line** | 3/8" |

## OPTIONS

| | |
|---|---|
| **To Control Solution Flow (Wetness of Fog)** | |
| Metering Tips-Color Coded (Set of 20) | # 443798 |
| Metering Tips-Color Coded (10 Smallest) | # 443794 |

Lafferty EQUIPMENT MANUFACTURING LLC

CFS TECHNOLOGIES

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

## OVERVIEW

The 2-Way 305SS Tank Fogger With 3" Stainless Steel Cap is a damp mist sprayer that uses compressed air (14.8 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 opposite directions. The adjustable output sprays mist (fog) into the air to cover exposed surfaces and penetrate hard-to-reach areas. This unit is used for sanitizing or cleaning tanker trucks and other large vessels. It features a stainless steel fogger body and threaded 3" stainless steel cap.

## 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)

### To Install

1. Mix up the amount of ready to use chemical solution you "expect" to need for the job.
2. Connect a compressed airline to the fogger.
3. Connect the pick-up tube to the fogger.
4. Remove the 3" cap on the tank.
5. Lower the fogger into the tank.
6. Make sure the fogger discharge is lined up right in the tank.

## TO OPERATE

**SPECIAL CAUTION: This fogger atomizes chemical into the air. Upon completion of fogging, ensure that sufficient time has elapsed for all the fog to have dissipated before removing the fogger.**

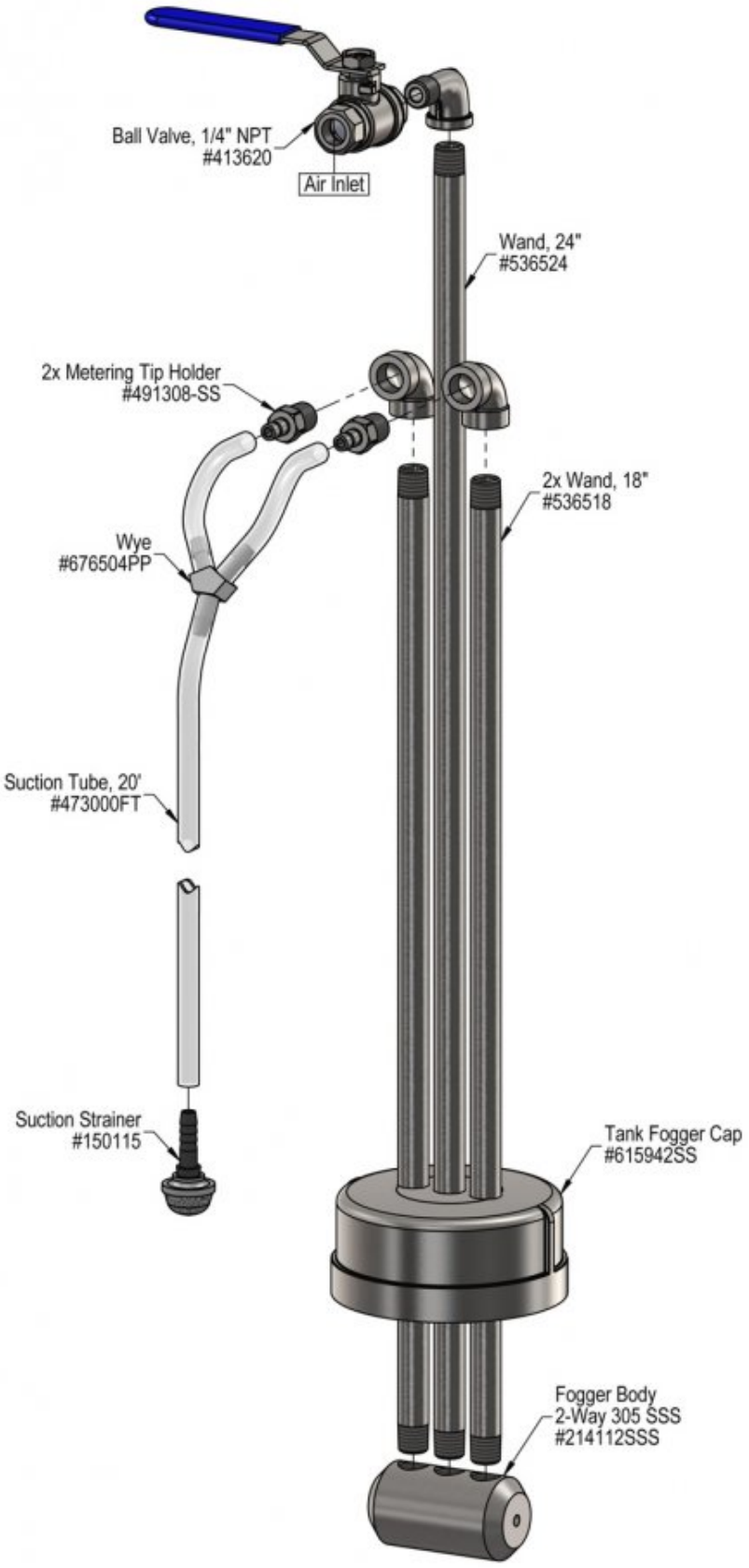
1. Place the pick up tube in the chemical solution.
2. Open the airline ball valve.
3. Fogger can only draw chemical so high, if it does not immediately draw the chemical elevate it.
4. When chemical solution tank is empty or sufficient coverage has been achieved turn off ball valve.
5. ALWAYS allow sufficient time for the fog to dissipate before removing fogger.

**305 2-WAY FOGGER**

PROJECTS DAMP FOG/MIST UP TO 25'

| COMPRESSED AIR FLOW (CFM) | | |
|---|---|---|
| **PLUMES** | **60 PSI** | **80 PSI** |
| 2-Way | 11.3 | 14.8 |

| CHEMICAL SOLUTION DRAW RATE (FL-OZ/MIN) | | |
|---|---|---|
| **DISTANCE** | **60 PSI** | **80 PSI** |
| 12' Above Chemical | 7.9 | 12.0 |
| 10' Above Chemical | 12.5 | 17.4 |


Ball Valve, 1/4" NPT
#413620
Air Inlet
Wand, 24"
#536524
2x Metering Tip Holder
#491308-SS
2x Wand, 18"
#536518
Wye
#676504PP
Suction Tube, 20'
#473000FT
Suction Strainer
#150115
Tank Fogger Cap
#615942SS
Fogger Body
2-Way 305 SSS
#214112SSS

# 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.