# Lafferty Equipment Manufacturing, Inc. **Installation & Operation Instructions**

### Model # 950001-B · 633 Compact Fogger

Ready-to-Use Chemical SolutionCompressed Airup to 3.7 CFM @ 80 PSIMinimum Air Supply Line3/8"OPTIONSStainless Steel Hose Racks Large Stainless Steel Hose RackLarge Stainless Steel Hose Rack# 224150Small Stainless Steel Hose Rack# 224145Proportioning / Filling Options 1-Way Ball Valve Mixing Station (4 GPM)# 9851001-Way Push Lever Mixing Station (4 GPM)# 981100Additional Bottles Bottle, 32oz (Includes Solid Lid)# 709082WEIGHT & DIMENSIONSSingle Package	REQUIREMENTS	
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 # 985100 GPM) # 985100 1-Way Push Lever Mixing Station (4 # 981100 GPM) # 981100 Additional Bottles Bottle, 320z (Includes Solid Lid) # 709082 WEIGHT & DIMENSIONS	Ready-to-Use Chemical Solution	
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 # 985100 GPM) 1-Way Push Lever Mixing Station (4 # 981100 GPM) Additional Bottles Bottle, 32oz (Includes Solid Lid) # 709082 WEIGHT & DIMENSIONS	Compressed Air	up to 3.7 CFM @ 80 PSI
Stainless Steel Hose Racks       # 224150         Large Stainless Steel Hose Rack       # 224150         Small Stainless Steel Hose Rack       # 224145         Proportioning / Filling Options       1-Way Ball Valve Mixing Station (4 # 985100         GPM)       # 985100         1-Way Push Lever Mixing Station (4 # 981100         GPM)       # 981100         Additional Bottles         Bottle, 32oz (Includes Solid Lid)       # 709082         WEIGHT & DIMENSIONS	Minimum Air Supply Line	3/8"
Large Stainless Steel Hose Rack # 224150 Small Stainless Steel Hose Rack # 224145 Proportioning / Filling Options 1-Way Ball Valve Mixing Station (4 # 985100 GPM) 1-Way Push Lever Mixing Station (4 # 981100 GPM) Additional Bottles Bottle, 32oz (Includes Solid Lid) # 709082 WEIGHT & DIMENSIONS	OPTIONS	
Small Stainless Steel Hose Rack# 224145Proportioning / Filling Options1-Way Ball Valve Mixing Station (4GPM)1-Way Push Lever Mixing Station (4GPM)Additional BottlesBottle, 32oz (Includes Solid Lid)WEIGHT & DIMENSIONS	Stainless Steel Hose Racks	
Proportioning / Filling Options         1-Way Ball Valve Mixing Station (4         GPM)         1-Way Push Lever Mixing Station (4         GPM)         Additional Bottles         Bottle, 32oz (Includes Solid Lid)         WEIGHT & DIMENSIONS	Large Stainless Steel Hose Rack	# 224150
1-Way Ball Valve Mixing Station (4       # 985100         GPM)       1-Way Push Lever Mixing Station (4       # 981100         GPM)       # 981100         Additional Bottles       # 709082         WEIGHT & DIMENSIONS       # 709082	Small Stainless Steel Hose Rack	# 224145
GPM)     # 985100       1-Way Push Lever Mixing Station (4     # 981100       GPM)     # 981100       Additional Bottles     # 709082       Bottle, 32oz (Includes Solid Lid)     # 709082	Proportioning / Filling Options	
GPM) # 981100 Additional Bottles Bottle, 32oz (Includes Solid Lid) # 709082 WEIGHT & DIMENSIONS	,	# 985100
Bottle, 32oz (Includes Solid Lid)       # 709082         WEIGHT & DIMENSIONS	, , ,	# 981100
WEIGHT & DIMENSIONS	Additional Bottles	
	Bottle, 32oz (Includes Solid Lid)	# 709082
Single Package	WEIGHT & DIMENSIONS	
Shipping Weight 2 lbs.	<b>c</b>	2 lbs

7" x 7" x 7"





www.laffertyequipment.com 501-851-2820

WARNING! READ ALL INSTRUCTIONS BEFORE USING EQUIPMENT!



**OVERVIEW** 

Shipping Dimensions

The 633 Compact Fogger is a chemical atomizer that uses compressed air (3.7 CFM @ 80 PSI) to draw pre-diluted chemical solution from the attached bottle, atomize the chemical, and project it as small to medium sized fog particles at distances up to 15 feet.

### **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 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, add ready to use chemical bottle and re-attach.
- 2. Don't over tighten.
- 3. Connect the trigger gun to a compressed airline.
- 4. Direct the discharge in a safe direction. Pull the trigger to begin application.
- 5. When application is complete, release the trigger.
- 6. The fogger may produce more fog volume than needed.
- 7. If fog is too dense, metering tips are included for restricting the solution volume to produce a lighter fog.
- 8. Make final metering tip adjustments based on application results. Try the next larger sized metering tip until the results are acceptable.

#### **COMPACT 633 1-WAY FOGGER**

PROJECT MEDIUM TO SMALL FOG

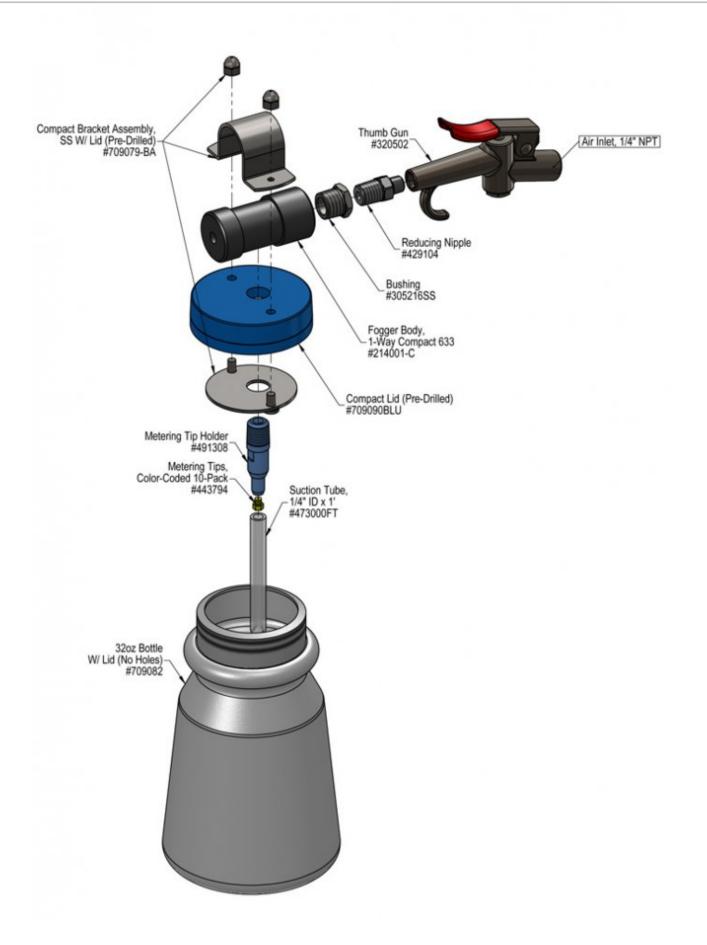
PARTICLES UP TO 15 FEET.

COMPRESSED AIR FLOW (CFM)	
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PLUMES	80 PSI					
1-Way 3.0 3.7						
CHEMICAL SOLUTION DRAW RATE (FL-OZ/MIN)						
DISTANCE 60 PSI 80 PSI						
Hand Held	13.3	13.7				

#### 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.				



Troubleshooting Guide					
roblem Fogger will not draw chemical or is sputtering Fog is too wet	Pos: Startup 1, 2, 3, 4 1, 4	sible Cause / Solution Maintenance 6, 7, 8 5			
Possible Cau	ise / Solutio	n			
Startup	Maintenance		ntenance		
1. Air line too small, not enough air pressure or volume • See REQUIREMENTS, page 1.	5. Pin hole or cut in suction tube • Replace suction tube.				
<ol> <li>Air pressure too high.         <ul> <li>Slightly close the air supply valve to lower the pressure by lowering the volume until the fogger smooths out.</li> </ul> </li> <li>Chemical tube kinked or not immersed in chemical or chemical depleted.         <ul> <li>Straighten tube / replenish chemical</li> </ul> </li> <li>Drawing too much solution         <ul> <li>Install optional metering tip</li> </ul> </li> </ol>		up g tip holder clogged metering tip and/or metering tip holder gger inlet jets pply, remove fogger bodies and emove 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.



# Lafferty Equipment Manufacturing, Inc. 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	# 22	24150
Small Stainless Steel Hose Rack	# 22	24145
Proportioning / Filling Options		
1-Way Ball Valve Mixing Station (4 GPM)	# 98	85100
1-Way Push Lever Mixing Station (4 GPM)	# 98	81100
Additional Bottles		
Bottle, 32oz (Includes Solid Lid)	# 70	09082
WEIGHT & DIMENSIONS		
Single Package Shipping Weight	2 lbs.	



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WARNING! READ ALL
INSTRUCTIONS BEFORE
USING EQUIPMENT!



## **OVERVIEW**

**Shipping Dimensions** 

15" x 8" x 5"

The 305 Compact Fogger is a chemical atomizer that uses compressed air (7.4 CFM @ 80 PSI) to draw pre-diluted chemical solution from the attached bottle, atomize the chemical, and project it as light, "damp" fog particles at distances up to 25 feet.

### **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 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.
- 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**

PRODUCE MEDIUM FOG PARTICLES AND

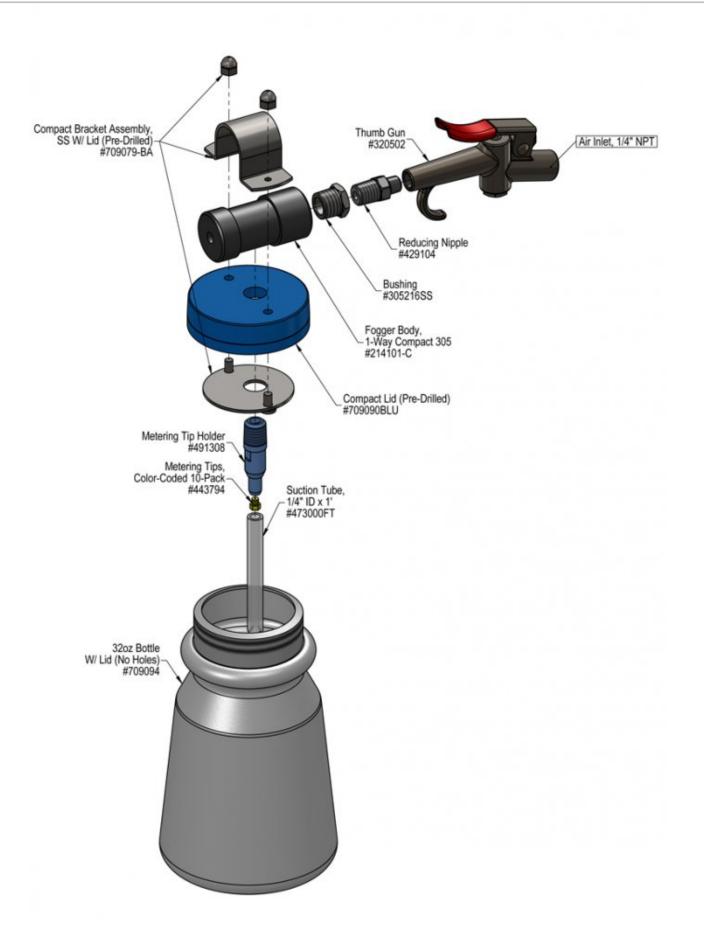
PROJECT A LIGHTER, "DAMP" MIST UP TO 25

#### FEET.

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 viscosity, actual fl-oz/mi				



Troubleshooting Guide					
roblem Fogger will not draw chemical or is sputtering Fog is too wet	Pos: Startup 1, 2, 3, 4 1, 4	sible Cause / Solution Maintenance 6, 7, 8 5			
Possible Cau	ise / Solutio	n			
Startup	Maintenance				
1. Air line too small, not enough air pressure or volume • See REQUIREMENTS, page 1.	<ul> <li>5. Pin hole or cut in suction tube</li> <li>○ Replace suction tube.</li> </ul>				
<ol> <li>Air pressure too high.         <ul> <li>Slightly close the air supply valve to lower the pressure by lowering the volume until the fogger smooths out.</li> </ul> </li> <li>Chemical tube kinked or not immersed in chemical or chemical depleted.         <ul> <li>Straighten tube / replenish chemical</li> </ul> </li> <li>Drawing too much solution         <ul> <li>Install optional metering tip</li> </ul> </li> </ol>	7. Mete	<ul> <li>Clean or replace</li> <li>is clogging the fog</li> <li>Disconnect air su</li> </ul>	<b>g tip holder clogged</b> metering tip and/or metering tip holde		

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.



# Lafferty Equipment Manufacturing, Inc. Installation & Operation Instructions

### Model # 950000-B · 612 Low Volume Compact Fogger

ompressed Airup to 1.2 CFM @ 90 PSIlinimum Air Supply Line3/8"OPTIONS3/8"tainless Steel Hose Racks arge Stainless Steel Hose Rack# 224150mall Stainless Steel Hose Rack# 224145roportioning / Filling Options -Way Ball Valve Mixing Station (4 .PM)# 985100Way Push Lever Mixing Station (4 .PM)# 981100dditional Bottles ottle, 32oz (Includes Solid Lid)# 709082ir Compressor lakita® MAC700 (120V, 3.8 CFM @ 0 PSI)# 710502WEIGHT & DIMENSIONS	REQUIREMENTS		
linimum Air Supply Line 3/8" OPTIONS tainless Steel Hose Racks arge Stainless Steel Hose Rack # 224150 mall Stainless Steel Hose Rack # 224145 roportioning / Filling Options -Way Ball Valve Mixing Station (4 # 985100 -Way Push Lever Mixing Station (4 # 981100 -Way Push Lever Mixing Station (4 # 981100 -Way Push Lever Mixing Station (4 # 981100 -Way Push Lever Mixing Station (4 # 709082 ir Compressor lakita® MAC700 (120V, 3.8 CFM @ # 710502 O PSI) WEIGHT & DIMENSIONS	Ready-to-Use Chemical Solution		
DPTIONS tainless Steel Hose Racks arge Stainless Steel Hose Rack # 224150 mall Stainless Steel Hose Rack # 224145 roportioning / Filling Options -Way Ball Valve Mixing Station (4 # 985100 -Way Push Lever Mixing Station (4 # 981100 PM) dditional Bottles ottle, 32oz (Includes Solid Lid) # 709082 ir Compressor lakita® MAC700 (120V, 3.8 CFM @ # 710502 WEIGHT & DIMENSIONS	Compressed Air	up to 1.2 CFM @	90 PSI
tainless Steel Hose Racks arge Stainless Steel Hose Rack # 224150 mall Stainless Steel Hose Rack # 224145 roportioning / Filling Options -Way Ball Valve Mixing Station (4 # 985100 -Way Push Lever Mixing Station (4 # 981100 -PM) -Way Push Lever Mixing Station (4 # 981100 -PM) dditional Bottles ottle, 32oz (Includes Solid Lid) # 709082 ir Compressor lakita® MAC700 (120V, 3.8 CFM @ # 710502 0 PSI) WEIGHT & DIMENSIONS	Minimum Air Supply Line	3/8"	
arge Stainless Steel Hose Rack # 224150 mall Stainless Steel Hose Rack # 224145 roportioning / Filling Options -Way Ball Valve Mixing Station (4 # 985100 -Way Push Lever Mixing Station (4 # 981100 -WM) -Way Push Lever Mixing Station (4 # 981100 -PM) -Way Push Lever Mixing Station (4 # 981100 -PM) -Way Push Lever Mixing Station (4 # 709082 	OPTIONS		
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roportioning / Filling Options -Way Ball Valve Mixing Station (4 # 985100 -Way Push Lever Mixing Station (4 # 981100 -Way Push Lever Mixing Station (4 # 981100 -Way Push Lever Mixing Station (4 # 981100 -Way Push Lever Mixing Station (4 # 709082 -Weight & Compression Iakita® MAC700 (120V, 3.8 CFM @ # 710502 -WEIGHT & DIMENSIONS	Large Stainless Steel Hose Rack		# 224150
-Way Ball Valve Mixing Station (4       # 985100         -Way Push Lever Mixing Station (4       # 981100         -Way Push Lever Mixing Station (4       # 709082         ir Compressor       # 710502         Iakita® MAC700 (120V, 3.8 CFM @       # 710502         WEIGHT & DIMENSIONS       # 710502	Small Stainless Steel Hose Rack		# 224145
PM)       # 985100         -Way Push Lever Mixing Station (4       # 981100         PM)       dditional Bottles         ottle, 32oz (Includes Solid Lid)       # 709082         ir Compressor       lakita® MAC700 (120V, 3.8 CFM @       # 710502         VEIGHT & DIMENSIONS       WEIGHT & DIMENSIONS	Proportioning / Filling Options		
PM)       -Way Push Lever Mixing Station (4       # 981100         PM)       dditional Bottles       # 709082         ottle, 32oz (Includes Solid Lid)       # 709082         ir Compressor       # 710502         lakita® MAC700 (120V, 3.8 CFM @       # 710502         VEIGHT & DIMENSIONS       # 710502	1-Way Ball Valve Mixing Station (4		
PM)       # 981100         dditional Bottles	GPM)		# 985100
PM) dditional Bottles ottle, 32oz (Includes Solid Lid) # 709082 ir Compressor lakita® MAC700 (120V, 3.8 CFM @ # 710502 0 PSI) WEIGHT & DIMENSIONS	1-Way Push Lever Mixing Station (4		# 001100
attraction       # 709082         ir Compressor       # 710502         lakita® MAC700 (120V, 3.8 CFM @       # 710502         0 PSI)       # 710502	GPM)		# 901100
attraction       # 709082         ir Compressor       # 710502         lakita® MAC700 (120V, 3.8 CFM @       # 710502         0 PSI)       # 710502	Additional Bottles		
ir Compressor lakita® MAC700 (120V, 3.8 CFM @ # 710502 0 PSI) WEIGHT & DIMENSIONS			# 709082
Iakita® MAC700 (120V, 3.8 CFM @         # 710502           0 PSI)         # 710502			
0 PSI) #710502 WEIGHT & DIMENSIONS	•		
WEIGHT & DIMENSIONS	• • –		# 710502
	,		
ingle Package	WEIGHT & DIMENSIONS		
	Single Package		
11 0 0	Shipping Weight		
hipping Dimensions 15" x 8" x 5"	Shipping Dimensions	15" x 8" x 5"	

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WARNING! READ ALL INSTRUCTIONS BEFORE USING EQUIPMENT!



## **OVERVIEW**

The 612 Low Volume Compact Fogger is a chemical atomizer that uses compressed air (1.2 CFM @ 90 PSI) and venturi action to draw pre-diluted chemical solution from the attached bottle, atomize the chemical, and project fog particles at distances up to 6 feet. The low CFM requirement of this unique fogger allows it to be used with smaller consumer-grade air compressors, including some rechargeable battery operated models.

### **SAFETY & OPERATIONAL PRECAUTIONS**

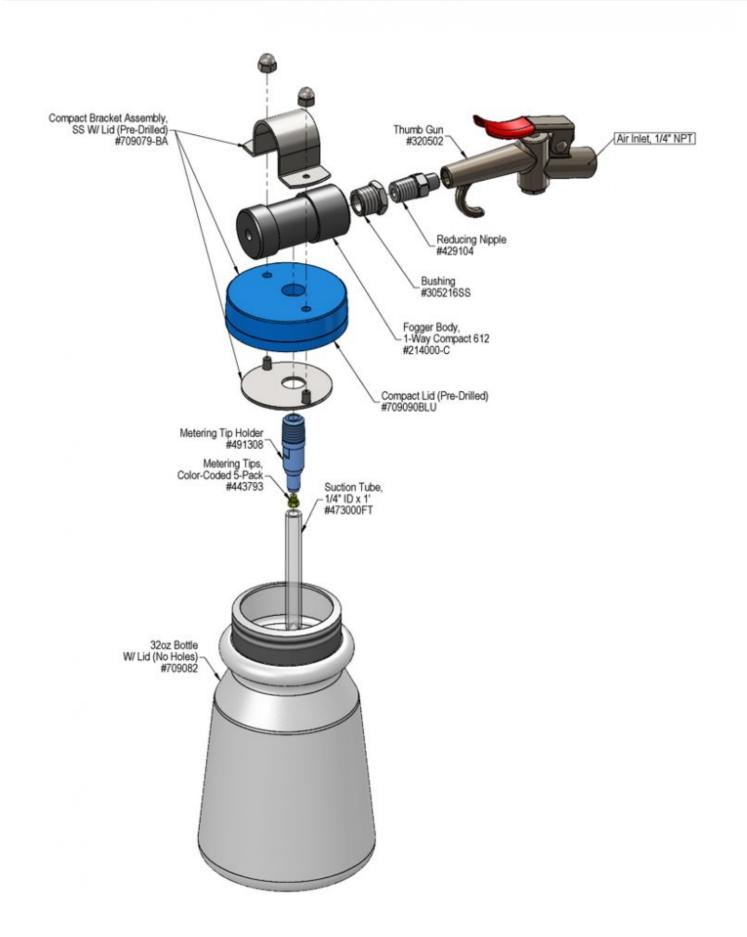
- Manufacturer assumes no liability for the use or misuse of this unit.
- Wear proper respiratory protection, protective clothing, gloves and eye-wear when working with chemicals.
- Always direct the discharge away from electrical devices.
- Follow the chemical manufacturer's safe handling instructions.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



Troubleshoe	oting Gui	ide		
roblem Fogger will not draw chemical or is sputtering	Possible Cause / SolutionStartupMaintenance1, 2, 3, 46, 7, 8			
Fog is too wet Possible Cau Startup	ise / Solutio		5	
<ul> <li><b>1. Air line too small, not enough air pressure or volume</b></li> <li>o See REQUIREMENTS, page 1.</li> </ul>	5. Pin ł	5. Pin hole or cut in suction tube • Replace suction tube.		
<ol> <li>Air pressure too high.         <ul> <li>Slightly close the air supply valve to lower the pressure by lowering the volume until the fogger smooths out.</li> </ul> </li> <li>Chemical tube kinked or not immersed in chemical or chemical depleted.         <ul> <li>Straighten tube / replenish chemical</li> </ul> </li> <li>Drawing too much solution         <ul> <li>Install optional metering tip</li> </ul> </li> </ol>	<ul> <li>6. Chemical tube clogged up <ul> <li>Clean or replace</li> </ul> </li> <li>7. Metering tip or metering tip holder clogged <ul> <li>Clean or replace metering tip and/or metering</li> </ul> </li> <li>8. Debris clogging the fogger inlet jets <ul> <li>Disconnect air supply, remove fogger bodies a visually inspect; remove debris from fogger inlet</li> </ul> </li> </ul>			

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.

