

LAFFERTY EQUIPMENT MFG., INC. INSTALLATION / OPERATION INSTRUCTIONS

4-WAY FOGGERS

If it is necessary to mount the fogger higher than 10 ft. above floor level, you may have to elevate your chemical solution to compensate for additional height. Also, the chemical tube may be shortened or lengthened (up to 50 ft.) to suit the application. You may run the chemical tube through the fogger body and along the ceiling (or other surface) for your convenience.

TO INSTALL / OPERATE (See Diagram, Over)

1. Push the manifold assembly tubes (#3 in diagram) over the metering tip holders as shown in diagram. Then, push the chemical tube (with pre-installed chemical strainer) over the push-lock tee. Lock the tee over the chemical tube.
2. Place the chemical strainer in your **premixed** chemical solution.
3. Connect your 40-90 PSI compressed air supply to the fogger; airline must be 1/2" minimum (60 - 80 SCFM; *lower SCFM models are available*).
4. Activate your airline or control box to begin fogging. [Be mindful of where you discharge fog. Never discharge toward electrical outlets, etc.!]

5. Observe fog quality. If fog is too wet, order and install optional metering tips. [Use tips *only* if fog is too wet.]
 6. When finished fogging, close the airline. If using a control box, it will time out when fogging is complete.
- *4-Way foggers can be used individually or in conjunction with other foggers as a Central Fogging System.

IMPORTANT: If the fogger is not elevated above your chemical it may siphon chemical after the unit is shut down. To prevent siphoning, keep your fogger elevated above the chemical or remove tube from chemical.

CAUTION: Always wear protective clothing, gloves, respirator, and eyewear when working with potentially hazardous chemicals. Consult your chemical manufacturer or representative for further cautions.

OPTIONAL METERING TIP SELECTION IN OUNCES PER MINUTE (AVERAGE)

The number under each color in the chart below represents the **average ounces of water-thin chemical which will pass through the tip per minute.**

COLOR	Brown	Clear	Bright Purple	White	Pink	Corn Yellow	Dark Green	Orange	Gray	Light Green
Thin Chemical	0.84	1.16	1.4	2.0	2.7	3.4	4.0	5.3	6.1	7.0

4-WAY FOGGER TROUBLESHOOTING GUIDE

PROBLEMS	POSSIBLE CAUSE/SOLUTION								
	1	2	3	4	5	6	7	8	
A. Fogger won't draw chemical/sputtering.	•	•	•	•	•	•			
B. Fog is too wet.	•							•	•

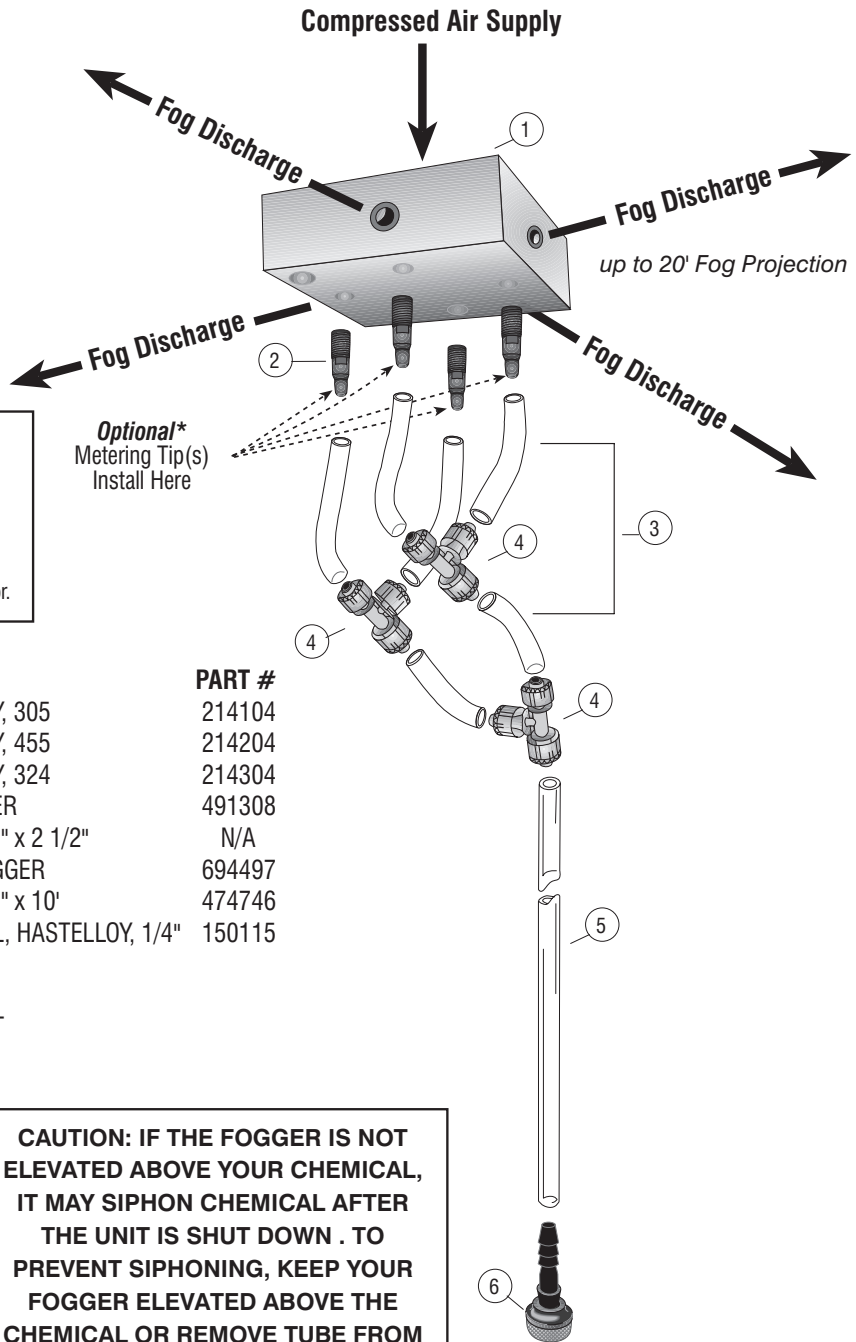
POSSIBLE CAUSE/SOLUTION


1. **Not enough air/air line not large enough** — Increase air pressure, air line must be minimum of 1/2" I.D. with minimum of 60 SCFM.
2. **Fogger mounted too high or chemical tube too long** — Elevate your chemical solution to compensate for the additional height (10' maximum height) or shorten your chemical tube.
3. **Pin hole or cut in chemical tube** — Replace the chemical tube.
4. **Chemical tube kinked or not immersed in chemical** — Straighten or immerse tube.
5. **Metering tip or holder clogged** — Clean or replace metering tip and/or holder.
6. **Debris clogging inlet of fogger** — Disconnect air supply and visually inspect; remove debris from fogger inlets.
7. **Too much condensation in air line** — Install separator.
8. **Drawing too much chemical** — Install optional metering tip.

4-WAY FOGGERS

REQUIREMENTS
Clean Compressed Air
40 – 90 PSI
60 – 80 SCFM

MODEL #	DESCRIPTION	PARTICLE SIZE
950304	324 4-WAY FOGGER	LARGE
950104	305 4-WAY FOGGER	MEDIUM
950204	455 4-WAY FOGGER	SMALL



* Part # 443794
 Set of 10 Metering Tips
 (Can be used to regulate
 solution flow.)

 Metering tips can also be
 ordered individually by color.

CALL#	QTY.	DESCRIPTION	PART #
1	CHOOSE ONE	FOGGER BODY, 4-WAY, 305	214104
		FOGGER BODY, 4-WAY, 455	214204
		FOGGER BODY, 4-WAY, 324	214304
2	4	METERING TIP HOLDER	491308
3	6	TUBE, CHEMICAL, 1/4" x 2 1/2"	N/A
4	3	TEE, PUSH LOCK, FOGGER	694497
5	1	TUBE, CHEMICAL, 1/4" x 10'	474746
6	1	STRAINER, CHEMICAL, HASTELLOY, 1/4"	150115

OPTIONAL
 CONTROL BOXES
 not shown CHOOSE ONE
 [] TIMER - SINGLE SHOT
 [] RECYCLE TIMER

Solution Check Valve
 Part # 491402



Optional
 (In place of # 2)
 For use in instances where it
 is necessary to keep the
 chemical line primed.

**CAUTION: IF THE FOGGER IS NOT
 ELEVATED ABOVE YOUR CHEMICAL,
 IT MAY SIPHON CHEMICAL AFTER
 THE UNIT IS SHUT DOWN . TO
 PREVENT SIPHONING, KEEP YOUR
 FOGGER ELEVATED ABOVE THE
 CHEMICAL OR REMOVE TUBE FROM
 CHEMICAL CONTAINER.**

Lafferty Equipment Manufacturing, Inc.

5614 Oak Grove Road
 North Little Rock, AR 72118
 Telephone: (501) 851-2820 — FAX: (501) 851-3719
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