



Superior Solutions

Zep Equipment & Service Division  
Mini Fogger Instruction Manual

# Mini Fogger



**Instruction Manual**

Rev. 1A

## Installation Instructions

The following utilities must be available in the location where the ZEP Mini Fogger will be used:

- Compressed Air (60-100 PSI, up to 21 SCFM)
- Electricity (15 A, 120 VAC) – Optional flow control timer only

The content of the shipping box includes (1) complete mini fogger and (1) roll of  $\frac{3}{8}$ " OD poly tubing. You will need to furnish the necessary fittings to connect the air supply to the system. If you have elected to use the optional flow control timer, make sure it is available to connect to the fogger.

1. Open the shipping box and check the contents. If you are missing any parts, please contact your ZEP representative.
2. Place the system in the location you are planning to treat and in close proximity to the utility connections. If you are using the flow control timer, place it in a dry area near the fogger.
3. Connect the air supply to the system using one of the following methods. DO NOT turn the air supply on at this time.
  - If you are operating the system with the flow control timer, connect the air supply to the inlet of the timer and then connect the outlet of the timer to the **needle valve** on the fogger using the included  $\frac{3}{8}$ " poly tubing or other air hose.
  - If you are operating the system without the flow control timer, connect the air supply directly to the **needle valve** on the fogger using the included  $\frac{3}{8}$ " poly tubing or other air hose.



**Connecting the air hose**

## Start-Up Instructions

1. Disconnect the **fogger nozzle assembly** from the jug and pour the pre-diluted ZEP product into the jug. The product must be mixed with water to the proper dilution before it is used in the fogger. The fogger will hold up to 2.5 gallons of solution.
2. Reconnect the **fogger nozzle assembly** to the jug and close the **needle valve** by turning the knob to the right until it stops.
3. Turn the air supply on and begin opening the **needle valve** slowly. The solution should flow through the **fogger nozzle** as you open the **needle valve**. If not, refer to the troubleshooting guide on page 8. If you are using the flow control timer, you will have to press and hold the **PRIME button** while you open the **needle valve**.

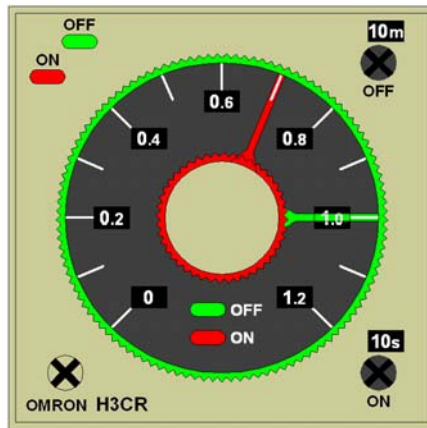


**Opening the needle valve**

4. Continue opening the **needle valve** until the fog density is to your liking.
5. If you are using the fogger without the flow control timer, turn the air supply off to complete the set-up for manual operation. To operate the fogger without the flow control timer, turn on the air supply and allow the fogger to run until the area is treated. If you are using the fogger with the flow control timer, release the **PRIME button** and open the panel door to access the **cycle timer**.
6. Turn the outside knob (green) to the desired “off” time. The “off” time scale is *10 minutes*.
7. Turn the inside knob (red) to the desired “on” time. The “on” time scale is *10 seconds*.



**Setting the cycle timer**



EXAMPLE: The “off” time is set for *10 minutes*; the “on” time is set for *7 seconds*.

8. Close the panel door and turn the **OFF-CYCLE switch** to the CYCLE position to complete the set-up for automatic operation.

NOTE: The timer will always start with the “off” cycle when power is supplied.



**Fogger nozzle in operation**

## Troubleshooting Guide

### Fogger Nozzle

PROBLEMS	POSSIBLE CAUSE / SOLUTION									
	1	2	3	4	5	6	7	8	9	10
A) Fogger will not draw chemical/sputtering.	•	•	•	•	•	•	•	•		
B) Fog is too wet.	•		•						•	•

### POSSIBLE CAUSE / SOLUTION

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>1. <b>Not enough air pressure</b> – Increase the air pressure.</li> <li>2. <b>Too much air pressure</b> – Decrease the air pressure.</li> <li>3. <b>Airline too small</b> – Airline must meet minimum I.D. and CFM requirements. See diagram and Fogger CFM chart.</li> <li>4. <b>Fogger mounted too high</b> – Elevate your chemical solution to compensate for the additional height (12' maximum).</li> <li>5. <b>Pin hole or cut in chemical tube</b> – Replace chemical tube.</li> </ol> | <ol style="list-style-type: none"> <li>6. <b>Chemical tube kinked or not immersed in chemical</b> – Straighten or immerse chemical tube.</li> <li>7. <b>Metering tip or metering tip holder clogged</b> – Clean or replace metering tip and/or metering tip holder.</li> <li>8. <b>Debris clogging air inlet(s) of fogger</b> – Disconnect air supply and visually inspect; remove debris from fogger inlet(s).</li> <li>9. <b>Too much moisture in airline</b> – Install a condensate separator.</li> <li>10. <b>Drawing too much solution</b> – Install metering tip.</li> </ol> |
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## Parts & Accessories – Mini Fogger



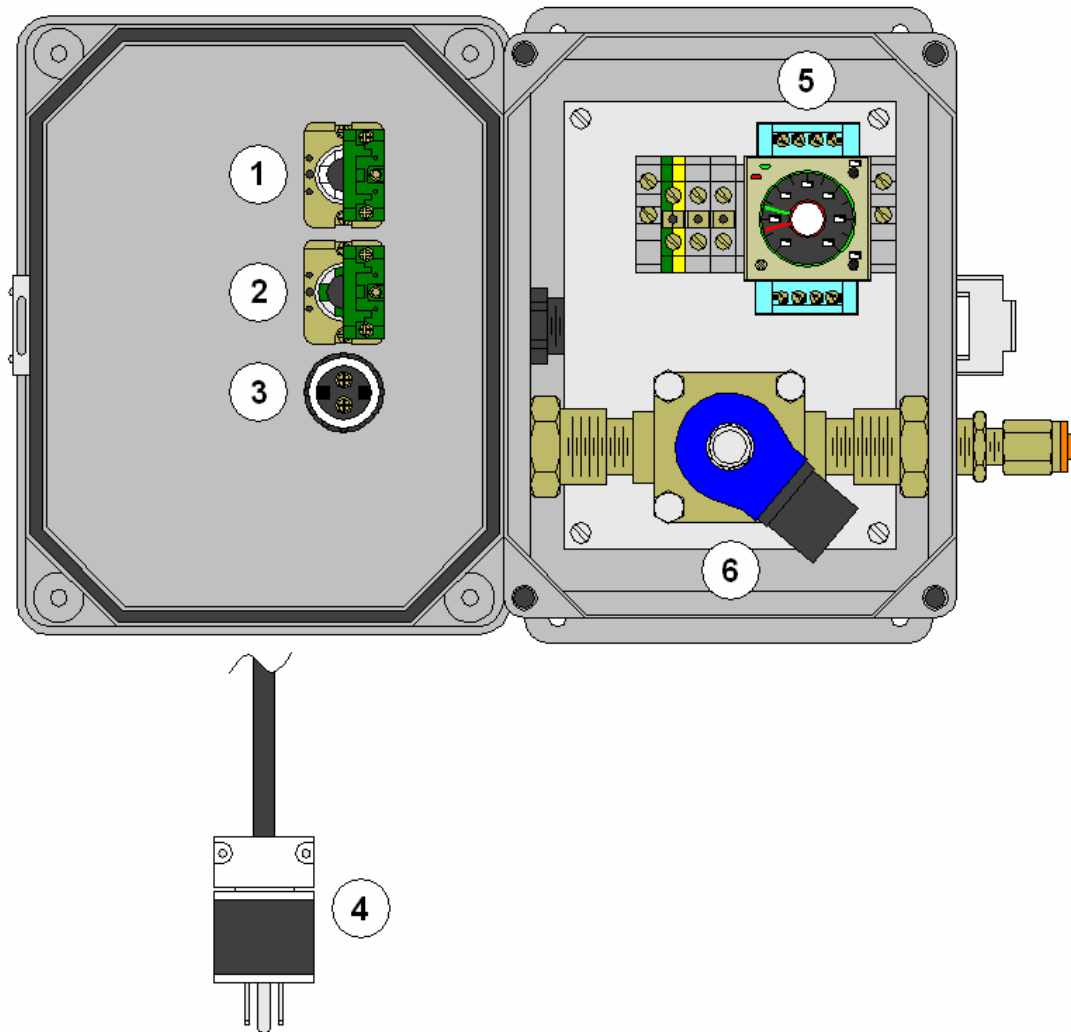
<i>No.</i>	<i>Part No.</i>	<i>Description</i>	<i>No.</i>	<i>Part No.</i>	<i>Description</i>
1	S/N S64901	Foot Valve Assembly	4	Special	$\frac{3}{8}$ " OD x $\frac{1}{4}$ " MPT Adapter
2	Special	Fogger Nozzle	---	Special	$\frac{3}{8}$ " OD Poly Tubing
3	Special	$\frac{1}{4}$ " Needle Valve	---	S/N S82401	$\frac{1}{4}$ " Clear PVC Reinf. Hose

To order parts and accessories:

Product No. (P/N) – Call your local ZEP Branch.

Shop Part No. (S/N) or Special – Call the ASP Equipment Department at (404) 350-6287.

## Parts & Accessories – Optional Flow Control Timer



<i>No.</i>	<i>Part No.</i>	<i>Description</i>	<i>No.</i>	<i>Part No.</i>	<i>Description</i>
1	Special	2-Position Selector Switch	4	Special	Plug 15A 120 V
2	Special	Momentary Pushbutton	5	Special	Cycle Timer 120 V
3	Special	Indicator Light 120 VAC	6	S/N W51601	1/2" Solenoid Valve 120 V

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Shop Part No. (S/N) or Special – Call the ASP Equipment Department at (404) 350-6287.