

# GEIA

solutions



LUVIAN  
MISTING SYSTEM  
OWNER'S MANUAL



**LUVIAN  
SERIAL NUMBER**

**GEIASOLUTIONS.COM**  
**EPA Establishment Number**  
**103018-UT-1**

**GEIA Solutions' Luvian Dry Misting  
technology is designed to ONLY be  
used with hocl (hypochlorous acid).  
300 PPM ONLY**



**GEIASOLUTIONS.COM**  
**855-687-4342**  
**support@geiasolutions.com**

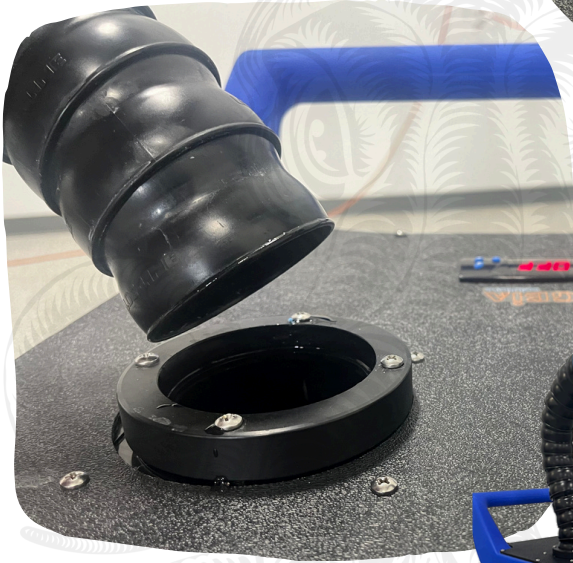
1- Fill the Luvian with max 300ppm hypochlorous (no higher ppm).

10 gallon capacity.

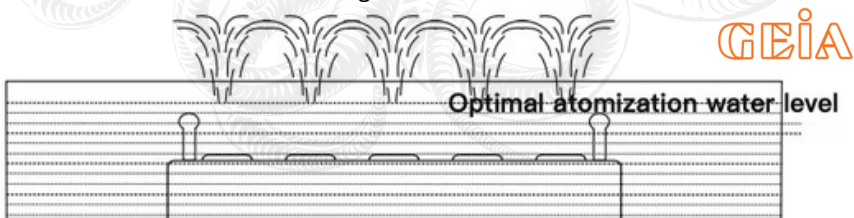
\*\* the first time filling the Luvian may require up to 5 minutes for the nebulizer tank to become charged prior to it creating fog/dry mist.



2- Ensure that the fog stacks are attached appropriately. And ensure they are formed in the “cobra” shape to prevent condensation and dripping.



The LUVIAN6 is designed to automatically fill the nebulizer tank to the appropriate level as seen below. However, too much or too little may cause fogging to not occur. The quickest fix is to start the Luvian and open the lower drain as the nebulizer tank may have become too full during transit of machine.



【Figure 01】

The LUVIAN6 ceramic atomizer coins are designed to last approximately 2000 hours. Water quality can lessen the lifespan of the unit. When the ceramic coins have run long enough they may have a reduction in fogging. It may become necessary to clean the nebulizer. First step is to drop one or two drops of dish soap into the fog ports and run the machine as normal for 15 minutes and then drain. If the problem persists contact GEIA

service at 855-687-4342, support@geiasolutions.com OR preferably GEIASolutions.com

3- Plug the Luvian6 into 110v power. The Luvian 6 draws approximately 3 amps.

The LUVIAN6 control panel will beep and illuminate.



4- To start the Luvian  
Press SET

Select desired minutes for the Luvian to run and press SET again.

Factory settings max out at 15 minutes.

Once the time expires the Luvian will beep and dry misting will cease.

Please review time estimates for fogging of spaces to prevent over fogging

To stop the Luvian prior to the time expiring, simply hold down SET. The Luvian will beep and dry misting will cease.

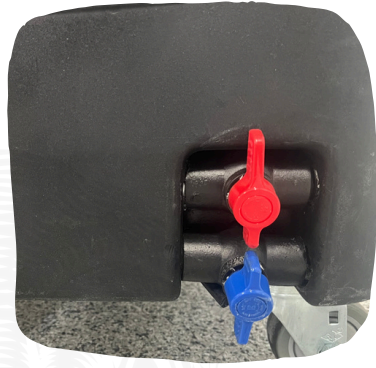
If the Luvian runs out of hypochlorous the timer may still be running but it will not be dry misting.

5- Prior to transport it's best to drain the Luvian.

There are two drains on the Luvian.

The top drain is for the holding tank. The bottom drain valve is for the nebulizing tank.

To drain the Luvian entirely it is quickest to open both valves.



The internal parts of the Luvian should only be worked on by authorized GEIA Solutions professionals.



## **IF LUVIAN IS NOT FOGGING**

When the Luvian has been transported via a vehicle the nebulizer tank may slosh liquid around to the point there is too much in the tank and the Luvian will not fog.

Simply start the Luvian and open the bottom drain. Bleeding off the excess. Once the level is right the Luvian will begin to fog. Close the drain and operate as normal.

**\*\*\*DO NOT TIP LUVIAN WHILE  
IT IS FOGGING\*\*\***

# FOGGING



5- Once your settings are acceptable or you've begun to fog the times below are suggestions on how long to fog a space or room. These are suggestions as there are many variables and intangibles involved in covering an area appropriately.

Try to minimize airflow throughout the room. Close doors and windows if necessary.

Use a laser pointer to verify airflow and gauge coverage of space.

**\*\*\*OVER FOGGING MAY RESULT IN SMOKE DETECTORS ALARMING AND LIGHT SALT RESIDUE FROM HYPOCHLOROUS**



3-5 mins

Room - hotel, nursing home, office, nurses facility, hospital room.

Classroom, cafeteria, small warehouse, large boardroom, small restaurant.

5-15 mins



10-30 mins

High school gym, locker room, multi-desk office space, small theater.



High school auditorium, theater, event center, medium warehouse.

15-45 mins



45-120\* mins

Indoor arena, large warehouse, food processing facility, agricultural/livestock facility

\*larger facilities may require higher capacity Luvian machines such as the Luvain 9, 12 & 18



**\*\*\*DO NOT TIP LUVIAN WHILE IT IS FOGGING\*\*\***

<b>Problem</b>	<b>Potential Reason</b>	<b>Troubleshooting</b>
Not Running	A. Not Plugged In	A. Check power
	B. Fuse is blown	B. Contact GEIA or Distributor
	C. Humidity setting	C. Ensure humidity setting is correct or off
Lack of nebulizer solution	A. Out of solution	A. Check to see solution levels in tanks
	B. Inlet float valve is clogged	B. Wiggle the float and contact GEIA or distributor if problem persists.
Overflowing	A. Float is displaced	A. Adjust the float to the correct position
	B. Float is blocked	B. Remove foreign object blocking float
	C. Float is damaged	C. Replace the float (GEIA / Distributor)
Nebulizer light is not coming on (inside the tank)	A. The nebulizer float is displaced	A. Push down on the red float to clear debris and allow movement
	B. The nebulizer float is blocked	B. Push down on the red float to clear debris and allow movement
	C. Nebulizer float is damaged	C. Contact GEIA / Distributor
Luvian is leaking solution	A. Tank is damaged	A. Contact GEIA / Distributor
	B. Fog is pouring back into the machine	B. Ensure flex tubes are properly connected to the internal fog ports and top of Luvian6. And that there are no holes or tears in the flex tubes.
	C. The plumb tubes are damaged or torn	C. Contact GEIA / Distributor
Light fog or no fog	A. Too much scale on the the nebulizing coins	A. Clean with 1-2 drops of dish soap. Run for 15 minutes and drain tank and flush.
	B. Voltage Reduction	B. Ensure proper power connection. If problem persists contact GEIA / Distributor
	C. Water level is too low or too high	C. Adjust water level. If too high - drain and ensure float setting is appropriate. If too low, add solution and ensure float setting is appropriate.
	D. Oil in the solution	Drain and flush the entire system by running for 15 mins and flushing three times.

When the Luvian has been transported via a vehicle the nebulizer tank may slosh liquid around to the point there is too much in the tank and the Luvian will not fog.

Simply start the Luvian and open the bottom drain. Bleeding off the excess. Once the level is right the Luvian will begin to fog. Close the drain and operate as normal.



Dimensions - 34"L x 19"W x 35"H (not including stacks)  
 10 gallon solution tank  
 6kg/HR output  
 Weight without solution 85lbs  
 WARRANTY - 2 year\*



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