



Health Therapies FogLite



FogClean Lite

Operation & Maintenance Manual

Should any questions or issues arise please contact us at (732) 829-9757 or morell@healththerapies4u.com

Technical Specifications

Model # FCL-3
Solution Tank Capacity..... 3 Gal (11.36L)

Dimensions

Backpack assembly..... 14" x 12" x 19" (35.6 cm x 30.5 cm x 48.3 cm)
Gun Assembly..... 12" x 3" x 6 "(30.5 cm x 7.6 cm x 15.2 cm)

Net Weight

Backpack assembly..... 14 lbs (6.4 kg)
Gun Assembly..... 2.5 lbs (1.1kg)

Dry Fog Nozzle Specifications

- **FCN-3**
Air Flow Rate 3.5 SCFM @ 75PSI
Solution Flow Rate.... 3 Gal/hr
- **FCN-6**
Air Flow Rate 7.5 SCFM @ 75PSI
Solution Flow Rate.... 5 Gal/hr
- **FCN-10**
Air Flow Rate 9.5 SCFM @ 75PSI
Solution Flow Rate.... 7 Gal/hr
- **FCN-12**
Air Flow Rate 12.5 SCFM @ 75PSI
Solution Flow Rate.... 9 Gal/hr

Safety Instructions

1. **Requirements for safe use** - Please operate this equipment in accordance with the directions, along with the specified safe operating procedures of related industries such as infection control for hospitals and pesticide usage in farming to avoid poisoning, crop or equipment damage, and sprayer damage.
2. **Solution compatibility** - Do not ever use strong acids, strong alkalis, flammables, and other specialized working fluids and powders that are insoluble in water. Highly viscous solutions with specific gravity less than 0.9 and greater than 1.1 could create different droplet sizes.
3. **Personal protective equipment (PPE)** - Wear safety masks, gloves, and other protective gear when spraying. Follow manufacturer safety guidelines for pesticides, disinfectants, and other organism-killing solutions.
4. **Safety Warning** - A safety warning sign is located on the upper front part of the backpack sprayer's tank.
5. **Respirable Hazard**- FogClean Lite creates respirable droplets sizing in the range of 1 μ to 50 μ in size. Refer to each chemical manufacturer's documentation to establish best use steps and any need for personal protective equipment (PPE).



Inspection

- Open the shipping carton and verify that all equipment necessary to operate the system has arrived intact.
- Your FogClean machine should be accompanied by the following items:
 - 1. This user manual!
 - 2. Backpack Assembly
 - 3. Gun assembly
 - 4. FogClean Nozzle
- If any equipment is missing contact your fog machine dealer immediately.
- Please also contact your vendor when you find any destroyed or omitting parts.
- Before beginning initial setup of your fog machine, make sure that there is no evident damage caused by transportation. In the event that any assembly is damaged, do not attempt to use it until after contacting your FogClean dealer for assistance.

Operation Instructions

Step (1). Pre-starting Your System

- Fill FogClean supplied Disinfectant Solution Tank to an appropriate level
- Verify the ball valve is closed, then connect Air supply line at quick connect coupler fitting
- Verify Solution Tank lid is sealed, then open ball valve to begin pressurizing the tank

Step (2). Starting Your System

- Verify Air Gauge is 70 -80 PSI. Factory setting is 75 PSI
- Hose connection 1-Air out
- Hose connection 2-Solution out Compound hose to Nozzle
- Hose connection 3-Air in (pilot line)

Step (3). Running Your System

- If a dry fog application is desired, move nozzle switch to position #1
- If a wet fog application is desired, move nozzle switch to position #2
- Once decided, depress single lever dual trigger all the way back and apply in a sweeping motion
- *FogClean Lite can be switched between modes while trigger is depressed*

Step (4). Shut down/Refilling Solution Tank

- Close ball valve on the quick connect fitting
- Remove air inlet hose
- Vent system by pulling up on safety relief valve on tank lid or slowly opening ball valve
- Remove Fogging Nozzle and place in Container
- If refilling Solution Tank, proceed to step (1).

Maintenance Instructions

Daily

- Check nozzle resonator to ensure no damage or change in alignment.
- Check gauges for liquid loss. Gauges should be $\frac{3}{4}$ full of glycerin.

Monthly

- Check tank seal on the solution tank to ensure O-Ring is clean and free from any defects.
- Check regulators for free movement both clockwise and counterclockwise.

Troubleshooting

Problem	Possible Reason	Solution
Fog is not coming out thick or is coming out sideways.	The resonator could be damaged on the nozzle tip. Check to see the resonator is aligned straight with the opening of the nozzle tip.	Replace the resonator tip with a new resonator tip.
Regulators are not adjusting the pressure to the nozzles.	The regulator could have an issue with either dirt impact preventing the screw from moving down or up.	Remove the regulator to check the inside seal or replace with a new regulator/repair kit.
Gauges are not showing the correct pressures.	Check to see that the glycerin liquid is still present in the gauge.	Replace the gauge.
The regulator has been maxed out and still not seeing the correct air pressure to the nozzle.	The compressor could be undersized or underperforming.	Check the compressor output to ensure the right pressure. Contact FogClean to discuss options.
Tank is not sealing on the top and leaking air/bubbles.	The O-Ring seal to the tank could be damaged or not seated correctly.	Open the tank again and try to re-seat the O-Ring back into the grooves of the tank and reclose and try again. If this does not work a new O-Ring can be supplied to assist in sealing again.

Storage

General:

- Extreme heat or cold should be avoided. Storage should be between 0 Deg C and 45 Deg C (32 F and 115 F).
- Storage should be in a dry location if possible. This will prevent eventual oxidization on the brass components. However, most components are stainless steel or corrosion free plastics that can be in humid environments.
- Storage area should be clean and free from dust and other contaminants.
- Store equipment out of direct sunlight.
- All valves should be closed, and regulators should be turned counterclockwise to 0.
- Nozzle tip should be removed from the gun and stored safely in the provided protection tube.

Spare Parts

BACKPACK ASSEMBLY

<u>Part #</u>	<u>Description</u>	<u>Detail</u>
301.001	GAUGE, PRESSURE, 0-30 PSI / 0-2 BAR	1.5", 0-30 PSI, BRASS, 1/8"
301.002	GAUGE, PRESSURE, 0-160 PSI / 0-2 BAR	1.5", 0-160 PSI, BRASS, 1/8"
301.003	PNEUMATIC SWIVEL CONNECTOR,	1/4"
301.004	PNEUMATIC PILOT VALVE	5 PORT - 2 POS. 1/4" NPT PORTS
301.005	ADAPTER, KEG POST	19/32"-18 - 1/4 MPT
301.006	MINI BALL VALVE	BRASS, 1/4" MNPT - 1/4" FNPT
301.007	O-RING, BUNA-N	1.234 X 1.512 X 0.139, DASH NO. 218
301.008	REGULATOR, AIR	1/4", RELIEVING, 5-50PSI
301.009	REGULATOR, AIR	1/4", RELIEVING, 5-100PSI
301.010	BULKHEAD UNION	PUSH-LOK, 1/4" TUBE
301.011	BULKHEAD CONNECTOR	1/4" TUBE-1/4" FNPT
301.012	MALE ELBOW CONNECTOR	PUSH-LOK, 1/4" TUBE, 1/8" MNPT
301.013	MALE ELBOW CONNECTOR	PUSH-LOK, 1/4" TUBE, 1/4" MNPT
301.014	PLUG-IN ELBOW	1/4" TUBE
301.015	FEMALE ELBOW	1/4" TUBE, 1/8" FNPT
301.016	FEMALE ELBOW	1/4" TUBE, 1/4" FNPT
301.017	UNION "Y"	PUSH-LOK, 1/4"

GUN ASSEMBLY

302.001	TOGGLE VALVE, 3 PORT - 2 POS	#10-32F PORTS
302.002	1/4" TUBING, TRIPLE BONDED	11.9FT, BLACK, BLUE, CLEAR
302.003	O-RING, BUNA-N, X-PROFILE	0.114 X 0.254 X 0.070, DASH NO. 006
302.004	PNEUMATIC BLOW GUN	PISTOL GRIP
302.005	ADAPTER, NOZZLE	DELTRIN
302.006	MALE CONNECTOR	PUSH-LOK, 1/4" TUBE, 1/8" MNPT
302.007	MALE CONNECTOR	PUSH-LOK, 1/4" TUBE, #10-32 THREAD
302.008	MALE CONNECTOR	PUSH-LOK, 1/4" TUBE, 1/4" MNPT
302.009	UNION ELBOW	PUSH-LOK, 1/4 TUBE
302.010	MALE ELBOW CONNECTOR	PUSH-LOK, 1/4" TUBE, #10-32" THREAD
302.011	PLUG-IN NIPPLE	1/4" TO 1/4"
302.012	UNION TEE	PUSH-LOK, 1/4" TUBE
302.013	MALE RUN TEE	PUSH-LOK, 1/4 TUBE, 1/4NPT