

 **FOAMit**
FG-10N-3-TM
10 Gallon Fog
Unit With
Timer



Foamit FG-10N-3-TM 10 Gallon Fog Unit With Timer Instruction Manual

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Foamit FG-10N-3-TM 10 Gallon Fog Unit With Timer



Product Information

Specifications

- **Model:** FG-10N-3-TM
- **Capacity:** 10 Gallons
- **Timer** Included
- **Maximum Incoming Air Pressure:** 100 psi (6.9 bar)
- **Safety Features:** Pressure release valve, safety lock mechanism

Product Usage Instructions

Safety Precautions

- Before using the unit, ensure you have read and understood all safety precautions mentioned in the manual.

Personal Protective Equipment (PPE)

- Always wear appropriate PPE as indicated in the Safety Data Sheet (SDS) provided. Protect eyes, skin, and lungs against chemical exposure.

Chemical Solution Handling

- Read and follow all chemical safety precautions and handling instructions provided by the manufacturer before using the unit.

- Always handle chemical solutions with care to avoid skin or eye contact, inhalation, or ingestion.

Operating Procedures

1. Inspect the unit for any damage or leaks before operation.
2. Depressurize and clean the unit after each use.
3. Avoid pointing the discharge wand at yourself, others, or unintended objects.
4. Do not exceed 100 psi of incoming air pressure during operation.
5. Avoid using hydrocarbons or flammable products with the unit.
6. Flush the unit with fresh water thoroughly when switching between alkaline and acid solutions.

Maintenance

- Ensure that the unit is serviced only with authorized parts listed in the manual.
- Do not use an air lubricator before the unit, as it may lead to diminished performance and damage. Keep the air lines clean, dry, and free of moisture to prevent damage to the pump.

INTRODUCTION

- **WARNING:** PEOPLE OR OBJECTS CAN BE HURT OR DAMAGED IF THIS UNIT IS NOT USED CORRECTLY!



- Failure to read all the instructions before operating the unit may result in personal injury or death from the improper use of the chemical solution.
- Anyone handling, operating or using the unit must read and understand the instructions in the manual.
- The buyer assumes all responsibility for safety and proper use under the instructions.



- Using or servicing the unit without appropriate personal protective equipment (PPE) may result in serious injury such as burns, rashes, and eye, throat or lung damage and death.
- Always wear PPE as indicated in the Safety Data Sheet (SDS) when using or servicing the unit. Protect eyes, skin, and lungs against drifting spray.



- Chemical solutions may pose a health risk and even cause death if they come into contact with the skin or eyes, are inhaled or are swallowed.
- Always read and follow all chemical safety precautions and handling instructions provided by the chemical manufacturer and the SDS associated with the chemical solution before using the unit.



- Pressure within the equipment may cause an unexpected release of the chemical solution and cause serious injury such as burns, rashes, eye damage, throat or lung damage and death.
- Always depressurize and clean the unit after each use. Never leave the unit unattended while pressurized.
- Using the unit with fluid temperatures above 100°F (37.8°C) may result in scalding, burns, serious injury or death. DO NOT use a solution with a temperature above 100°F (37.8°C).
- Operating the unit when damaged or leaking may result in exposure to chemical solutions, serious injury or death. Never use the unit if it is damaged or leaking.
- Never point the discharge wand at yourself, another person, or any object you do not want covered in chemicals.



- Using incoming air pressure exceeding 100 psi (6.9 bar) may result in pressure buildup, explosion, serious injury or death. DO NOT exceed 100 psi (6.9 bar) incoming air pressure when operating the unit.
- Use of hydrocarbons and flammable products may result in explosions, fire and serious injury or death. Never use hydrocarbons or flammable products with the unit.



- Mixing an alkaline with an acid may result in a chemical reaction. Overheating of the mixture may cause it to splatter caustic compounds or release hazardous fumes, gas and vapors.
- Always flush the unit with fresh water thoroughly when switching from an alkaline to an acid or an acid to an alkaline.



- Touching damaged electrical cords may result in electrical shock, serious injury or death.
- Always inspect electrical cords and extension cords for damage before connecting the unit to power supply. DO NOT touch a damaged electrical cord, or extension cord, that is connected to power supply.

NOTICE

- Servicing or modifying this unit with parts not listed in this manual may cause the unit to operate improperly. Do not use unauthorized parts when servicing the unit.
- Use of an air lubricator before the unit may result in diminished performance and damage to the unit. Do not use an air lubricator before the unit.
- Moisture in the air lines will damage the pump and diminish the pump life. The air must be filtered, clean, dry and free of moisture. If needed, install an air dryer before the unit.

PROTECT THE ENVIRONMENT



- Please dispose of packaging materials, old machine components, and hazardous fluids in an environmentally safe way, according to local waste disposal regulations.

Product Overview

Requirements

Compressed air requirements	50 psi (3.4 bar) with 9 CFM (254.9 l/min)
Liquid temperature range	40-100°F (4.4-37.8°C)
Electrical requirements	120 VAC at 60 Hz, 2 amps (GFCI protected outlet)
Operating voltage	120 VAC
Chemical compatibility	Chemical products used with this equipment must be formulated for this type of application and compatible with unit materials and pump seals. For more information on chemical compatibility, consult the manufacturer or SDS for your product or contact our customer service department.

Specifications

Power type	Compressed air and electricity
Chemical pickup type	Draws from pre-mixed solution
Number of product units can draw from	One product
Suction line diameter	3/8 in. (9.5 mm) inside diameter
Capacity	10 gallons (37.9 liters)
Flow rate*	3.7 gals/hour at each nozzle
Pump seals	Santoprene, Viton, or Kalrez
Timer operation type	Single shot timer with delay
Droplet size	15 microns at 50 psi
Coverage area**	1 liter of solution will cover approximately 1000 cubic feet (up to system max of 47,320 cubic feet)
Run time from full tank**	Approx. 1 hour
Number of nozzles	3 nozzles
Mast height range	3.5-8.5 ft. (1.1-2.6 m)
Wheel type	Two 10-inch (25.4 cm) non-marking wheels.

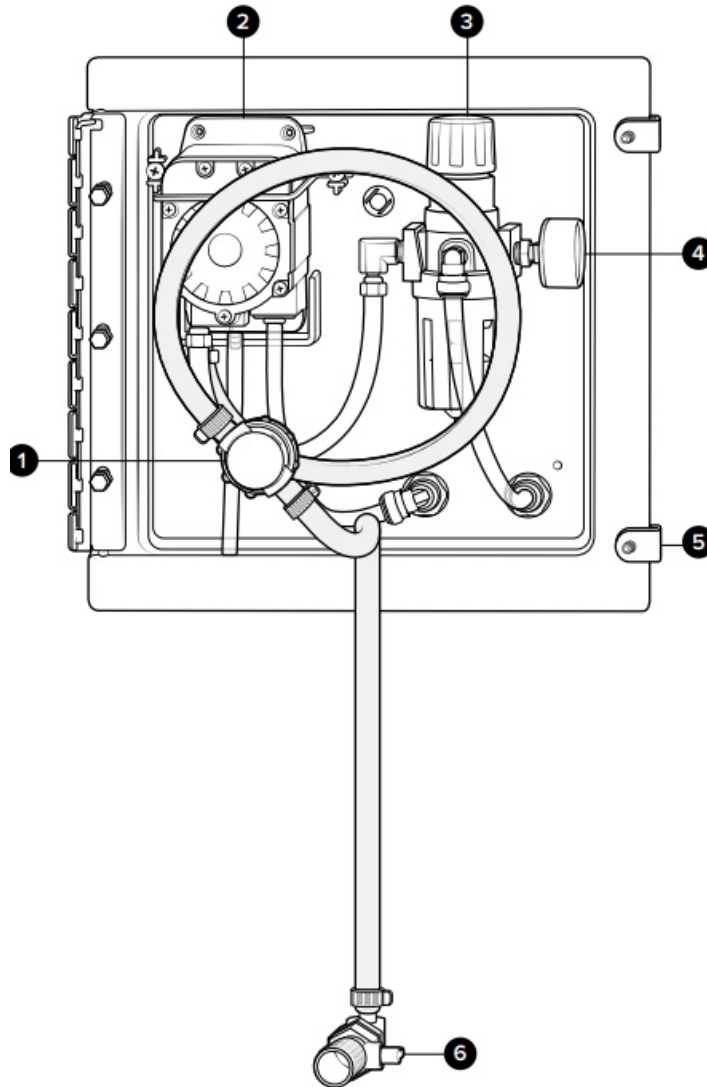
- Dilution rates and flow rates given are based on chemical with viscosity of water and factory air pressure settings.

- Area covered and run time may vary based on humidity, air flow, and product used.

Product Components

Get to know the FG-10N-3-TM components that you will need to use, adjust, or assemble.

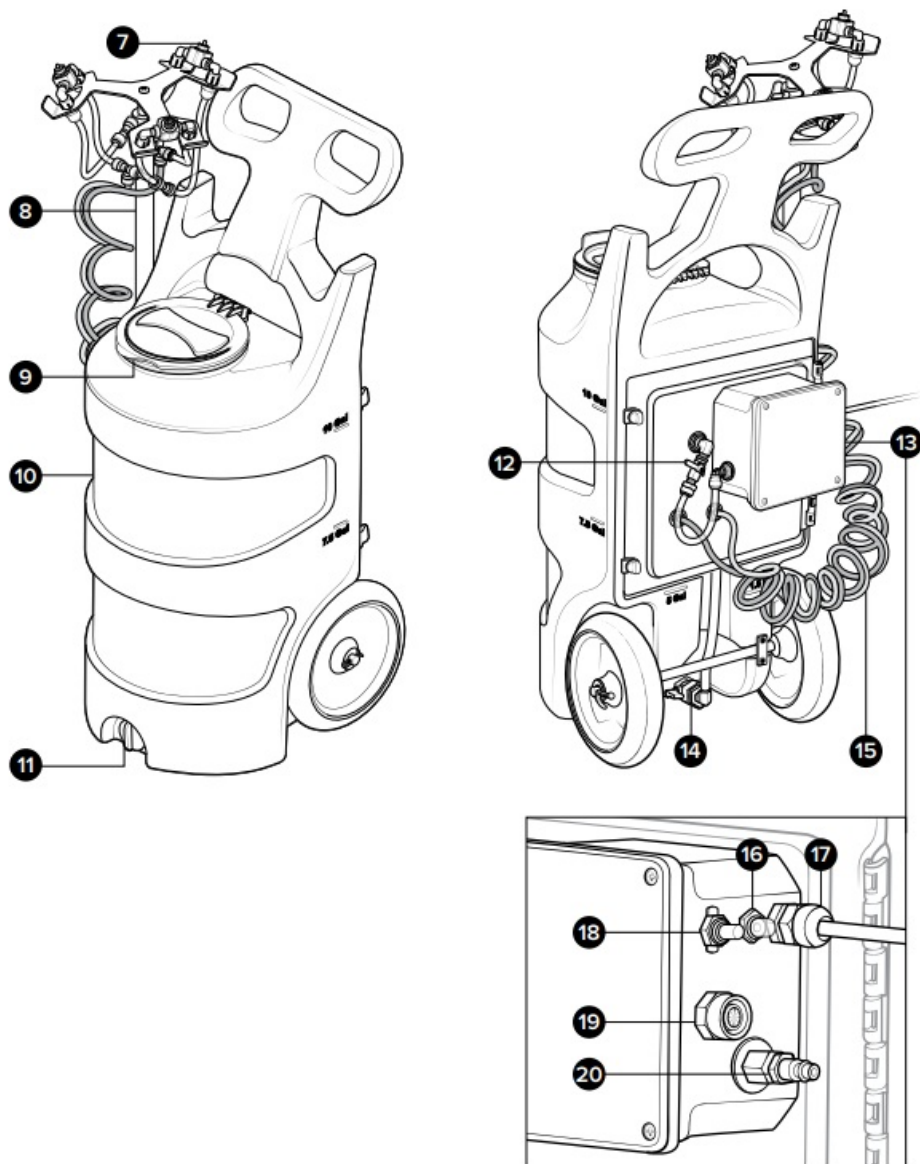
Back plate assembly, Inside view



1. In-line strainer
2. Quick-change pump
3. Air regulator
4. Air pressure gauge
5. Back plate thumb nuts
6. Suction line valve

- **Tank Assembly**

- Front view Back view

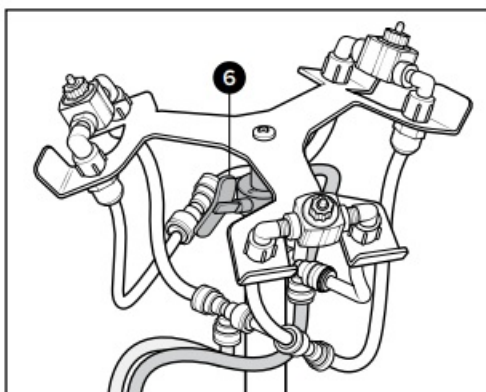
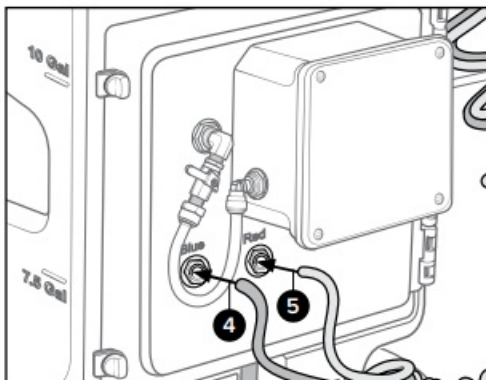
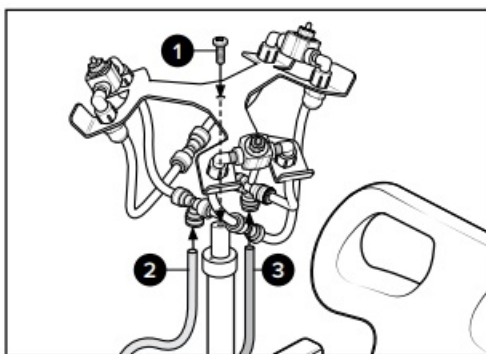


- 7. Fog nozzle
- 8. Mast
- 9. Hinged lid
- 10. Solution tank
- 11. Drain plug
- 12. Air inlet valve
- 13. Air control box
- 14. Suction line valve
- 15. Coiled twin line tubing
- 16. Circuit breaker
- 17. Electrical plug
- 18. Power switch
- 19. Activation button
- 20. Air fitting

Using your unit

Assembly Instructions

1. Using the screw (provided) attach fog nozzle assembly to the top of the fog mast.
 - **Note:** The fog nozzles should point upward.
2. Connect the red tube to the RED coded T-fitting on the fog nozzle assembly.
3. Connect the blue tube to the BLUE coded T-fitting on the fog nozzle assembly.
4. Push one end of the blue tube into the fitting next to the BLUE arrow on the unit's back plate.
5. Push one end of the red tube into the fitting next to the RED arrow on the unit's back plate.
 - **Note:** Make sure to insert the tubing into the fittings to ensure proper connection.
6. **If needed, adjust the mast with the following steps:**
 - Loosen the collar screws
 - Adjust the mast to the desired height
 - Re-tighten the collar screws to secure
 - **Caution:** To prevent injury from collapsing the mast, always support the mast when adjusting height.
Ensure collar screws are tight and secure before releasing the mast.



Operating Instructions

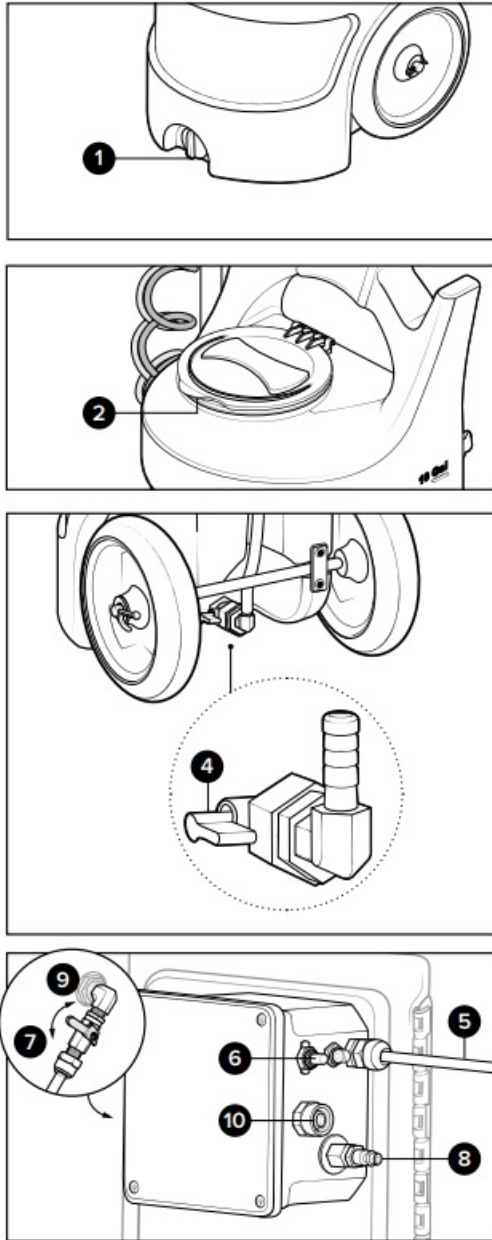
Note: The Timer is factory set with a 2-minute delay, 8 eight-minute runs. If needed, refer to the Timer Adjustment Instructions are on the next page. timer settings before use.

1. Verify that the drain plug is securely closed.

2. Following all instructions from the chemical manufacturer, fill the solution tank with pre-mixed solution.
3. Place the unit in the area to be fogged.
4. Ensure the suction line valve at the base of the suction line is open to allow fluid flow.
5. Connect the electrical plug to a properly grounded outlet.
6. Turn the power switch to the "ON" position.
7. Confirm the air inlet valve is closed.
8. Connect an air line to the air inlet fitting.
9. Open the air inlet valve to allow air flow.
10. Press the activation button to start the unit.
11. Evacuate the area.
12. After the unit has stopped fogging, observe all appropriate safety precautions before reentering the area.
13. Close the air inlet valve and disconnect the air line from the unit.
14. Unplug the unit from the power source.

- **After Use Instructions**

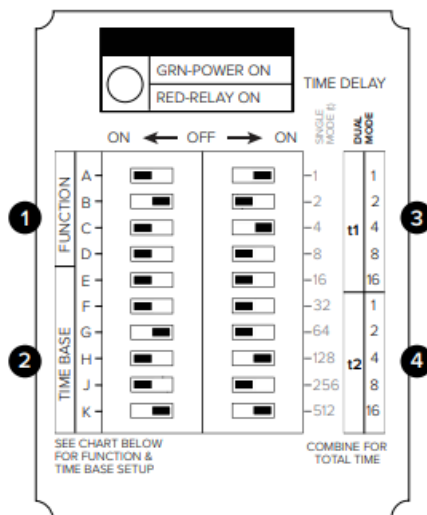
15. Ensure the line is disconnected from the air fitting and the unit is unplugged from the power source.
16. Open the air inlet valve to relieve all remaining pressure from the unit.
17. Close the air inlet valve after all pressure has been relieved. Store the unit with the inlet valve closed.
18. Turn the power switch to the "OFF" position.
19. Before using the unit with another chemistry, thoroughly flush with water.



Timer Adjustment Instructions

Note: Timer is preset with 2 2-minute delay, 8 8-minute run time.

1. Function (A-D) controls the timer mode. For fogging/ misting applications, A, C, and D should be on, and switch B should be off. This puts the timer in Dual Mode.
2. Time Base (E-K) controls the time interval. The timer is factory set to minutes. To change the Time Base to seconds or hours, refer to the chart below.
3. Dual Mode (t1) controls delay time.
4. Dual Mode (t2) controls run time. Active time for each function is equal to the combined values of any switch(es) that are ON.
 - **Example:** In the example shown, delay time has been set to 5 minutes and run time is set to 20 minutes.
 - The function is set to Dual Mode.
 - Time Base is set to minutes.
 - Dual Mode delay time is 5 min. (1+4=5).
 - The total run time is 20 minutes. (4+16=20).




FUNCTION

	FUNCTION	A	B	C	D
SINGLE MODE	ON DELAY	OFF	OFF	OFF	OFF
	INTERVAL ON	ON	OFF	OFF	OFF
	OFF DELAY	OFF	ON	OFF	OFF
	TR. ON DELAY	ON	ON	OFF	OFF
	FLASHER (ON)	OFF	OFF	ON	OFF
	FLASHER (OFF)	ON	OFF	ON	OFF
	WATCHDOG	OFF	ON	ON	OFF
	ONE SHOT F. EDGE	ON	ON	ON	OFF
	SINGLE SHOT	OFF	OFF	OFF	ON
DUAL MODE	CYCLE (ON)	ON	OFF	OFF	ON
	CYCLE (OFF)	OFF	ON	OFF	ON
	DELAYED INTERVAL	ON	ON	OFF	ON
	ON/OFF DELAY	OFF	OFF	ON	ON
	TR. DELAYED INT.	ON	OFF	ON	ON
	ONE SHOT-FLASHER	OFF	ON	ON	ON
	ON DELAY/FLASHER	ON	ON	ON	ON

TIME BASE

SINGLE MODE (t)	DUAL MODE (t1)	BASE	E	F	G
		0.01 S	OFF	OFF	OFF
		0.1 S	ON	OFF	OFF
		1.0 S	OFF	ON	OFF
		0.1 M	OFF	OFF	ON
		1.0 M	ON	ON	OFF
		0.1 H	ON	OFF	ON
		1.0 H	OFF	ON	ON
		10.0 H	ON	ON	ON
DUAL MODE (t2)		BASE	H	J	K
		0.01 S	OFF	OFF	OFF
		0.1 S	ON	OFF	OFF
		1.0 S	OFF	ON	OFF
		0.1 M	OFF	OFF	ON
		1.0 M	ON	ON	OFF
		0.1 H	ON	OFF	ON
		1.0 H	OFF	ON	ON
		10.0 H	ON	ON	ON

Maintenance

-  **WARNING:** Performing any maintenance with the unit pressurized, connected to air supply, and/or connected to electrical power may result in serious injury or death.
- Always ensure that the unit has been depressurized and disconnected from the air supply and electrical power before conducting any maintenance.
- Servicing or modifying this unit with parts not listed in this manual may cause the unit to operate improperly.
- Do not use unauthorized parts when servicing the unit.

Maintaining Your Unit

- To keep your unit operating properly, periodically perform the following maintenance procedures.
- Inspect the pump for wear and leaks.
- Inspect all hoses for leaks or excessive wear.
- Ensure all hose clamps are in good condition and properly secured.
- Check the suction line and strainer for debris. Clean as needed.
- Inspect nozzles for debris. Clean as needed.
- Drain your air compressor tank regularly to help extend pump life. An air source with a high moisture content will accelerate pump wear.

- **Note:** If your air source has a high moisture content, install a water separator to the air fitting on the backplate.

Servicing Your Unit

To service your unit, refer to the service manual, which includes:


- Troubleshooting procedures.
- Detailed parts breakdowns and illustrations.
- Part numbers of serviceable components and assemblies.



Frequently Asked Questions

- **Q: Can I use the unit without wearing personal protective equipment?**
 - **A:** No. it is essential to wear appropriate PPE as indicated in the Safety Data Sheet (SDS) to prevent injuries from chemical exposure.
- **Q: What should I do if I encounter a damaged electrical cord?**
 - **A:** Do not touch a damaged electrical cord connected to a power supply. Always inspect cords for damage before use.

Documents / Resources

 <p>10 Gallon Fog Unit With Timer Operation Manual FG-10N-3-TM</p>	<p>Foamit FG-10N-3-TM 10 Gallon Fog Unit With Timer [pdf] Instruction Manual FG-10N-3-TM 10 Gallon Fog Unit With Timer, FG-10N-3-TM, 10 Gallon Fog Unit With Timer, Fog Unit With Timer</p>
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References

- [User Manual](#)

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