



www.mosquitofogger.com.au

Model: STHBF02

THERMAL BUTANE INSECT FOGGER WITH CLEANER

User's Manual



Available from: **Scintex**

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WARNING: Please read the manual before operating the thermal fogger. This fogger will have extremely hot components when at operating temperature. **BE VERY CAREFUL TO PREVENT BURNS.**

HEAT!!!! WARNING WHEN OPERATING THIS FOGGER WILL HAVE VERY HOT SURFACES.

Safety Precautions:

1. Read the full instruction manual before attempting to use the fogger.
2. Always read the labels & MSDS for fogging chemicals before use.
3. Fogging involves contact with chemicals. Wear appropriate personal protection equipment when fogging which includes the following as a minimum; Carbon filter mask, gloves, long sleeve cotton shirt, eye protection.
4. Your thermal fogger will get extremely hot which can burn you. Take extreme caution when fogging to avoid injury.
5. Take care to keep your fogger level when in use, tilting the fogger may result in equipment damage and injury.
6. Avoid fogging people.
7. Avoiding fogging in doors as the smoke will displace breathable air.

Specifications:

Tank Volume: 2L

Fuel: Butane 220g Canister

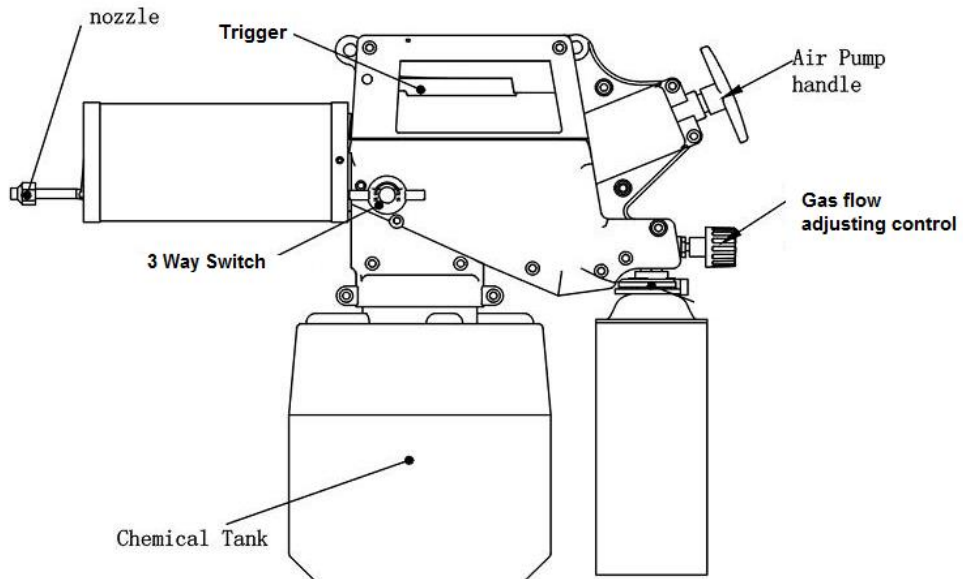
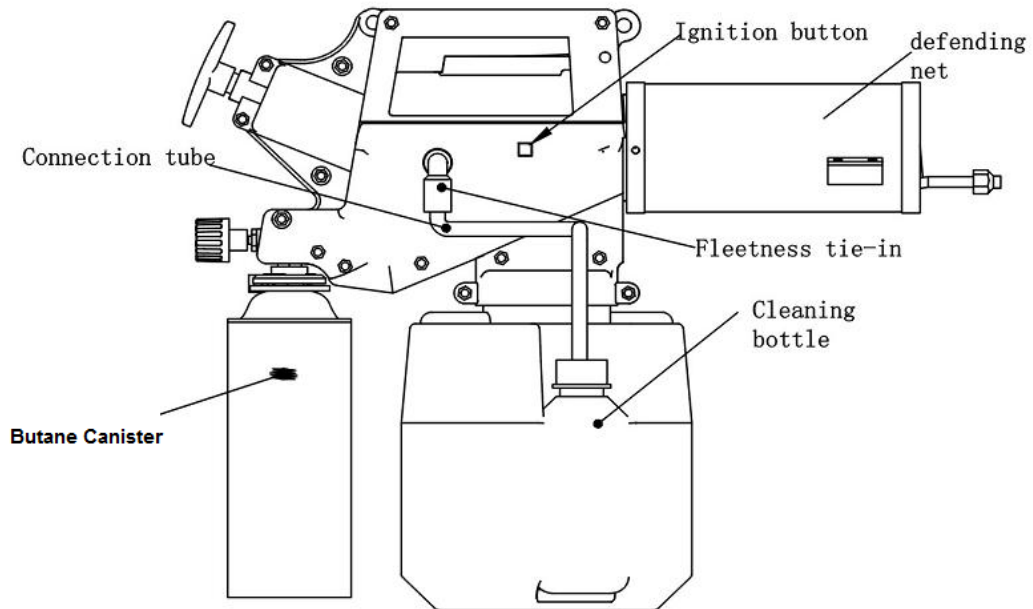
Spraying Volume: 1L/hr

Particle Size: Less than 30 Micron

Get To Know Your Fogger (See Figures 1 & 2)

1. *Chemical Tank* - This is where you mix the insecticide and carrier solution.
2. *Gas Flow Adjusting Control* - This allows the butane gas to flow from the canister to the burner.
3. *Trigger* - Squeeze the trigger to pump the carrier liquid and generate fog.
4. *3 Way Switch* – Directs flow of carrier or cleaning solution through the coil.
5. *Ignition Button* - Pressing the ignition button produces a spark which ignites the butane gas at the burner.
6. *Burner* - The burner discharges butane gas and is where the flame will be initiated.
7. *Defending Net* - The burner basket covers the burner. NOTE: This section of the fogger will get VERY hot. Take extreme caution to prevent being burnt.

- 8. *Nozzle or Fogging Tip*- The tip is where the fog will be released.
- 9. *Butane cylinder* - Disposable butane cylinder provides the burner fuel for the fogger.
- 10. *Cleaning Bottle* – Cleaning solution is added here.
- 11. *Air Pump Handle* – Pump this during cleaning procedure to pressurise the cleaning bottle.



Figures 1 & 2 – Fogger Schematic

Preparation

- 1) Fill the tank with your carrier fluid. Either diesel or deodorized paraffin oil is recommended.
- 2) Add your insecticide and mix in the tank. Fog Off Mozzie recommends use of natural pyrethrum concentrate at 5-12mL / L of carrier.
- 3) Fill the cleaning bottle with water and a small amount of detergent.
- 4) Ensure the gas flow adjusting control is closed. See figure 2.
- 5) Install the butane canister as shown in figure 3. Turn to the right to lock it in place.

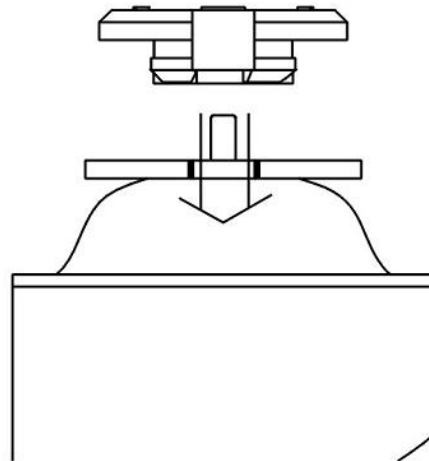


Figure 3

Ignition & Fogging

- 1) Turn the 3 way switch counter clockwise to position 2. See figure 4.
- 2) Carefully turn the gas adjusting control counter clockwise to let the gas flow. About $\frac{1}{4}$ of a turn is sufficient. Listen for gas flow.
- 3) After a few seconds of gas flow press the ignition button to ignite the fogger. If the fogger does not light after 30 seconds turn the gas off, wait 2 minutes so the gas escapes the area and try again.
- 4) Once lit, adjust the gas flow until you can see a flame inside the gauze protecting the element.
- 5) Allow the fogger 5 minutes to warm up before use.

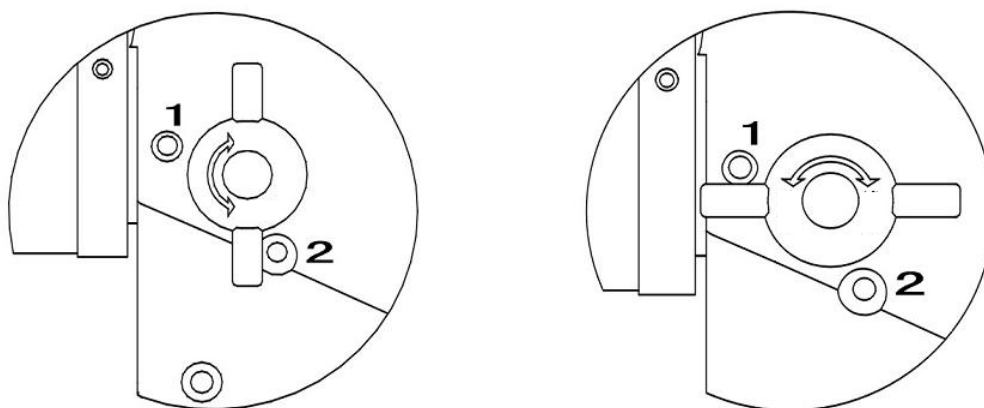


Figure 4

WARNING: Operating the fogger when not at operating temperature can block the coil.

- 6) To begin fogging pull the trigger. It may take several pulls initially to prime. Fog will be seen coming from the fogger tip. Pull the trigger approximately every 5 seconds. Try to avoid pulling the trigger too frequently as this will cool the fogger coil and may lead to a blockage or reduced fog output.

Shut down procedure

- 1) Turn the 3 way switch to off and leave the fogger ignited for 1 minute.
- 2) Close the gas flow control to turn it off.
- 3) Remove the gas canister and store in a cool, dry location.

Cleaning

- 1) Allow the fogger to completely cool before cleaning!
- 2) Turn the 3 way switch to position 1.
- 3) Draw the air pump handle to pump the cleaning fluid through the fogging coil.
- 4) If storing for a long period of time drain the chemical tank and cleaning fluid tank.

Fogging Tips:

1. Fogging is most effective when mosquitoes are most active. Early mornings and late afternoons are recommended.
2. Fogging is most effective in low wind conditions as the fog will hang for longer. If low wind is present, ensure you work with the wind on your back ensuring you are not exposed to the fogging chemicals.

Recommended Dosage:

Fog Off Mozzie recommends mixing 5-12ml of natural pyrethrum Concentrate (80g/L Pyrethrins) per 1L of deodorised paraffin oil or diesel (Distillate).