



www.scintex.com.au | sales@scintex.com.au

Ultra Low Volume Fogger/Sprayer

User's Manual

Model: SULVF01

Technical Specifications

Model	SULVF01
Power Supply	220V~ / 50Hz
Power	1200 W
Solution Tank	4L
Discharge Rate	Adjustable up to 300ml per minute
Droplet size	5-50 micron, average 20 micron
Discharge Distance	Up to 6m
Weight	3.1 kg
Sprayer Size	370 x 260 x 410 mm
Operating temperature	5-40 °C
Operating humidity	< 90%
Thermal overload protection	Included

NOTE:

1. This appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
2. Children being supervised are not to play with the appliance.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

Introduction

This ULV (Ultra Low Volume fogger) sprayer or fogger can be used for the dispersion of water based solutions, for a range of end applications. It is commonly used for dispersing disinfectants, insecticides and pesticides solutions. The unit generates small droplets which are discharged at high velocity allowing dispersion over large areas and penetration into otherwise difficult to access areas.

Working Principle

The unit incorporates a high speed fan which generates a negative pressure, drawing the solution into a special nozzle where it is atomised and discharged at high velocity. The operator can adjust the volume or droplet size of the solution via a single rotary knob on the top of the unit. The unit fan runs at a fixed speed and is controlled via a single on/off toggle switch.

Safety Precautions:

1. Read the full instruction manual before using the sprayer.
2. Always read the labels & MSDS (Material Safety Data Sheet) of any chemicals you plan to use with your sprayer before use.
3. Fogging/Spraying involves contact with chemicals. Wear appropriate personal protection equipment when spraying. Refer to the MSDS for the solution you are spraying. Typical minimum requirements include breathing mask, gloves, overalls, eye protection.
4. Never use 240v devices in the rain or around water. Electricity and water don't mix.
5. Operation by trained persons only.
6. Never allow unit to operate unattended.
7. Ensure unit is only used with power supplies protected by a Residual Current Device.
8. Do not use this unit with hydrocarbons. Use water based solutions only.

Get To Know Your Fogger:

1. Solution Tank - This is where you mix the insecticide and carrier solution.
2. Switch – Turns the fogger on and off
3. Flow adjuster- Adjust the fog mist droplet size and volume
4. Nozzle – Fog is discharged here
5. Air Inlet – Air is drawn into the unit here. Care must be taken not to block the air inlet.



Instruction:

1. Fill the solution tank with a mix of water and your chosen active solution. Take care not to overfill.

If you are new to fogging, consider use with water only to start with until the unit's operation is understood.

2. Connect the unit to a suitable power supply.
3. Turn the Fogger on
4. Adjust the droplet size and flow rate to achieve the desired application rate.

Do not leave unit operating un-attended.

5. Once unit has run out of solution and stopped discharging liquid, turn the unit off.

Spraying/Fogging Tips:

1. Insecticide spraying/fogging is most effective when mosquitoes are most active. Early mornings and late afternoons are suggested to maximise contact.
2. Spraying or fogging is most effective in low wind conditions as the droplets will hang for longer. Ensure you work with the wind on your back to limit exposure to the chemicals.

Suggested Chemical Dosage for Mosquito and Sandflies Control:

If using with Scintex pyrethrum based insecticide (80g/L), a dosage of 1-5mL of concentrate, to 1L of water is highly effective. 1L of mixed solution can treat approximately 1,000m².