

# READ THIS FIRST

**LONDON Fogger USER GUIDE**

M15 - 04200 - SVA rev: B/a



**SUPER VAC**  
THE VENTILATION SPECIALISTS

# The **LONDON** Fogger

## User Guide

P/N: M15 – 04200 – SVA Rev. B/a



Super Vacuum Manufacturing Co., Inc., P. O. Box 87, Loveland, CO 80539  
Phone 1-800-525-5224 / Website: [www.supervac.com](http://www.supervac.com)

This guide covers the description, warnings, cautions, operation and maintenance of the  
**Super Vac LONDON Fogger**

**Please take the time to read this guide before operating the LONDON Fogger.  
Save this guide for future reference.**

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## 1. BREAKAGE OR DAMAGE DURING SHIPMENT

The transportation company is fully responsible for all shipping damage and will resolve problems promptly if you handle it correctly. Please read these instructions carefully.

Examine the contents of all shipping cases. If you find any damage, call your transportation agent at once and have them make a description on the freight or express bill describing the damage and the number of pieces. Then write us and we will send you the original bill of lading. Get a claim blank from the express or truck company. Fill the claim form out. Attach the claim blank to the original bill of lading together with a copy of our invoice. Attach a memo on which you show the value of the damaged goods. Mail or hand these papers to your local transportation agent. They will process your claim with reasonable promptness.

Please note, we cannot and will not enter claim for damages. If we filed claim here, it would be sent to your local freight agent for verification and investigation. This time can be saved by your filling the claim directly. Every consignee is on the ground floor and in contact with the local agent who inspects the damaged goods and thus, each claim can be given individual attention.

Since our goods are packed to comply with the regulations of all railroad, truck and express companies, we cannot allow deduction from any invoice because of any damage, however, be sure to file your claim promptly. Our goods are sold F.O.B. factory. We take receipt from the transportation company certifying that the goods were delivered to them in good order, and our responsibility ceases.

It is seldom that any breakage or damage occurs in any of our shipments, and in no case will the customer be out any expense if they follow the above instructions.

Be sure to keep all damaged goods subject to examination of the truck or express company inspector, who may call on you some time later. These damaged goods, of course, will belong to them, and they will inform you what to do with them. If you dispose of these damaged goods, your claim may not be paid.

## 2. INTRODUCTION

Congratulations for purchasing the Super Vac LONDON Fogger. We hope it will bring you long hours of satisfaction.



**Please carefully and completely read the following instructions for the safe operation of the Super Vac LONDON Fogger.**



**WARNING** and **CAUTION** are used throughout this manual to forewarn of possible danger to the users if precautions are not observed.

As is customary in military and some commercial manuals, the precautions will always precede the steps to which it refers so that the users will be aware of any potential danger before performing the task.



**WARNING** and **CAUTION** labels are key equipment parts. Do not remove, change or cover these labels. If the labels are not readable, contact SUPER VACUUM MANUFACTURING CO.



Removing or tampering with **WARNING** and **CAUTION** labels will void all warranties.

### 3. BASIC DESCRIPTION

The Super Vac LONDON Fogger is delivered with a Remote Control and a 50 feet extension cord.

It is designed with safety and reliability in mind. This unit will generate non-toxic smoke for as long as you want (100% duty cycle). This LONDON Fogger is also equipped with an Auto Extract System (AES). This system extracts fluid from the heating module after every production of smoke preventing residual build-up and clogging as well as reducing incidental puffing.

At the heart of the Super Vac LONDON Fogger is an electronic assembly that keeps the heating module at a stable temperature. This is done by the integration of fail-safe systems. This design will protect against over and under-heating conditions and component failures.

- When an overheating of the heat module is detected, a safety circuit is triggered, cutting off power to the heating element, preventing hazardous conditions.
- When an under-heating condition is detected, the unit will stop producing smoke until the temperature of the heating module is back within parameters.
- When the internal temperature of the unit exceeds 140°F, a separate safety circuit is triggered, cutting off power preventing damage and hazardous conditions.

The SUPER VAC LONDON Fogger is quite easy to operate and requires no preventive maintenance. It is also supplied with a remote control timer.

## 4. TECHNICAL SPECIFICATIONS

Smoke production capacity:	Variable or momentary, up to 1800 cubic feet per minute
Fluid consumption:	35 oz. per hour at maximum output
Fogger fluid bottle:	0.66 US gal.
Smoke colour:	White
Particle size:	1-3 Microns
Fogger fluid type (use only):	Super Vac Glycol-based Fogger Fluid (SVGFF)
Warm-up time:	10 minutes
Operating voltage:	115 VAC, 50/60Hz
Power consumption:	1400 Watts
Dimension of unit:	18" L x 8.7" W x 8.1" H
Dimension of remote control (SV-LF):	6.7" L x 2.9" W x 1.9" H (50 ft. extension cord)
Weight of unit:	25 lbs.
Shipping weight:	29 lbs.
Shipping weight (including transport case):	39 lbs.

## 5. SETTING UP



**WARNING**

It is recommended that this unit be operated under the supervision of personnel who have read and understood this manual.

Never install this unit overhead.

The LONDON Fogger must be operated and stored in an upright position on a stable and level surface.

Do not operate closer than six feet (6 ft.) from personnel.

Use in a well-ventilated area.



**WARNING**

**RISK OF FIRE HAZARD - The **LONDON** Fogger output nozzle shall not be installed closer than six feet (6 ft.) from any open flame.**

**NOTE:** Cut back on smoke production when the level of smoke desired is achieved.

**DO NOT OVER SATURATE.**



## 6. FLUID REQUIREMENTS



**WARNING**

Operate the Super Vac LONDON Fogger only with the Super Vac Glycol-based Fogger Fluid (SVGFF). Make sure that no other liquids or particles are mixed or added to the Super Vac Fog Fluid.

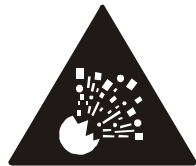


**CAUTION**

The Super Vac Glycol-based Fogger Fluid produces a pure white non-toxic smoke. Use of this LONDON Fogger with any other smoke liquid will automatically void the warranty. Super Vac Glycol-based Fogger Fluid is available at authorized SUPER VAC distributors or dealers.

## 7. REPLACING THE FLUID CONTAINER

Verify the FOGGER FLUID level of the bottle by looking through the opening on the side of the LONDON Fogger. If the level is insufficient, change the bottle or refill.



**WARNING**

DO NOT OPERATE WITHOUT FLUID.

## 8. OPERATING INSTRUCTIONS

Refer to SV-LF Remote Control Fig. A on page 11.



**BURN HAZARD – The **LONDON** Fogger output **NOZZLE** reaches high temperature – AVOID CONTACT EVEN AFTER SHUT DOWN.**

To Power on the unit, the following sequence must be observed:

- Connect the Super Vac LONDON Fogger to a 115 Vac power outlet and turn on the Power switch located at the back of the machine near the A.C. cord.
- Turn on the **On** switch on the Remote Control, the red led will come on indicating that the unit is powered, the yellow led will also come on indicating that the initial heating cycle has started. This should take a maximum of 10 minutes,
- The “ready” condition will be indicated by the green led which will come on when the pre-set temperature is reached, the yellow led will go off, the unit is now ready to produce smoke.

The operating temperature of the unit is maintained within a narrow margin, the yellow led Heat will turn on and off from time to time to indicate heat on and heat off cycles. Otherwise an error condition will result and the LONDON Fogger will shut down. When one of the safety systems is activated, the yellow led Heat on the Remote Control will start blinking indicating a fail mode. Turn off the main power switch, wait 4 minutes and retry the LONDON Fogger. If the fail mode reappears, disconnect the unit and contact Super Vac.

The **Smoke** on green led is used to indicate smoke production. Smoke production will continue as long as all control parameters are within specifications. When the **Smoke** on switch is turned off, the AES is initiated to clear the heating module. Never disconnect from the power source a LONDON Fogger while it is producing smoke. See the shutdown procedures.

## 9. SV-LF Remote Control Fig. A

### Functions

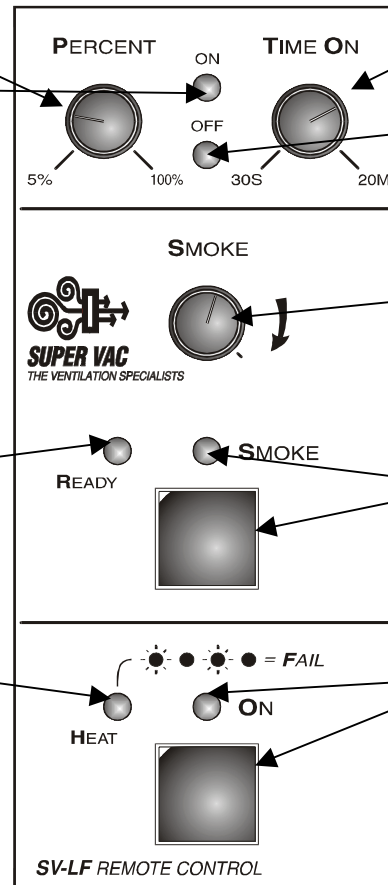
Smoke output **Percentage** adjustment from (5% to 100%) of the **Time On** adjustment indicated by the yellow led.

ex.: if the **Time On** control is adjusted at 10 minutes (12 o'clock) and the **Percentage** control is also adjusted at (12 o'clock) the production of smoke (on) will be for 5 minutes and smoke (off) 5 minutes

The **Ready** green led indicates that the LONDON Fogger is ready to produce smoke

The yellow led **Heat** indicator has 2 functions

- 1) The led will turn on and off from time to time to indicate heat on and off.
- 2) The led may also blink if a fail mode is detected.



The **Time On** control activates the smoke output length of time from (30 seconds to 20 minutes) indicated by the green led.

The **Smoke** output adjustment Variable, up to 1800 cubic feet per minute

The **Smoke On/Off** switch will activate the green led when smoke is being produced.

The **ON** switch, when turned on activates the red led indicating that the unit is powered and that the heating cycle has started.

**NOTE:** To operate without the timer functions you must turn to the full position the **Time On** and the percentage controls.

## 10. SHUTDOWN PROCEDURES

Refer to SV-LF Remote Control Fig. A on page 11.



### CAUTION

Never disconnect or power off while your LONDON Fogger is producing smoke. Read the following shutdown procedures. The 100% duty cycle is continuous with specified line voltage and will degrade with line voltage loss.

To power off the unit, the following sequence must be observed:

- Turn off the **S**moke switch on the remote control.
- Turn off the **O**n switch on the remote control.
- Turn off the Power switch on the back of the machine and then disconnect from the power outlet.

## 11. SHIPPING PROCEDURES

When returning the unit for repair or warranty, always ship the unit with the fluid bottle and the remote control.

## 12. WARRANTY

### LIMITED WARRANTY TWO YEARS

Super Vacuum Manufacturing Company warrants that the equipment is free from defects in materials and workmanship when used and operated for a period of two years. The responsibility of Super Vacuum Manufacturing Company under this limited warranty is limited to the repair and replacement of any parts which are found defective and which are returned to Super Vacuum Manufacturing Company at 3842 Redman Dr, Fort Collins, CO 80524 with transportation charges prepaid (C.O.D. shipments will not be accepted).

Prior to returning defective parts to SUPER VACUUM MANUFACTURING COMPANY, the original purchaser shall make a claim in writing to SUPER VACUUM MANUFACTURING COMPANY at the above address indicating the model number and type of defect. No parts or equipment will be received by SUPER VACUUM MANUFACTURING COMPANY for repair or replacement under this warranty without specific written authority from it in advance.

Any parts damaged by improper installation, overloading, abuse or accident of any type or causes are not covered by this warranty.

All equipment manufactured by us is pre-run and tested before leaving our plant, and is shipped in good working order and condition. We therefore extend to the original purchasers the following Limited Warranty for the period of two years from the original date of purchase:

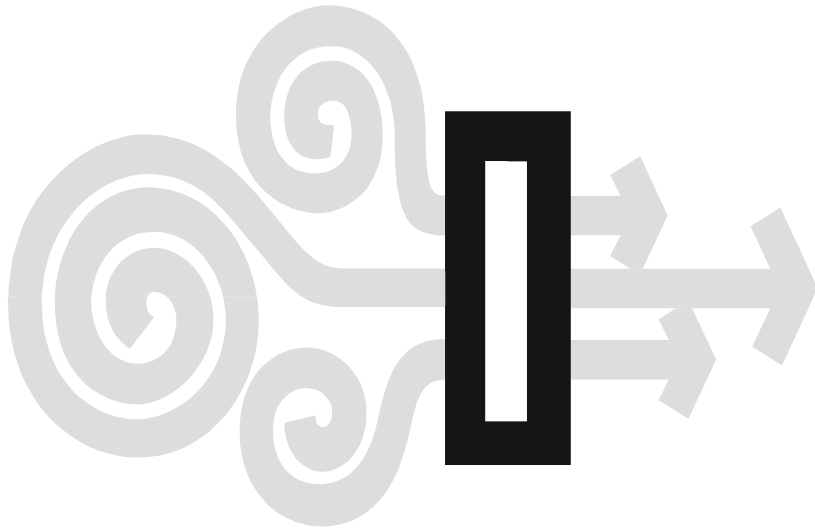
1. This warranty does not apply to defects caused by accident, misuse, neglect, or wear and tear, nor can we be held responsible for incidental and consequential expense and loss, nor does this warranty apply to equipment where alterations have been executed without our knowledge or consent. These conditions are readily discernable when the equipment is returned to us for inspection.
2. If equipment received is found to have been damaged in transit, a claim should be made against the carrier within three days, as we assume no responsibility for such damage.
3. Any service other than our Authorized Service voids this warranty.
4. This warranty is in lieu of and is intended to exclude all other warranties, express or implied, oral or written, including any warranties of MERCHANTABILITY or FITNESS for a particular purpose.

## 13. CONTACT INFORMATION

For parts or service information, contact:

Super Vacuum Manufacturing Company, Inc.  
3842 Redman Dr  
Fort Collins, CO 80524

Phone: 1-800-525-5224  
970-297-7100  
FAX: 970-297-7099  
Website: [www.supervac.com](http://www.supervac.com)



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