



Sterimax

Ultra Low Volume Fogger



**SUITABLE FOR RAPID DEEP DISINFECTION OF:
OFFICES, SCHOOLS, COLLEGES, WAREHOUSES,
SHOPS, BANKS, HOTELS, B&Bs, BARS, RESTAURANTS,
SURGERIES, DENTAL PRACTICES, BUSES, TAXIS,
PRIVATE CARS, COMMON ACCESS AREAS,
WAITING ROOMS, PUBLIC CONCOURSES,
CARE HOMES, RESIDENTIAL PROPERTIES
AND MANY OTHER LOCATIONS**



User Guide
Please read before use



Technical Specifications

- Power rating:1400 watts
- Voltage: 220-240V
- Plug: UK 3-pin
- Electrical Lead Length: approx 5m
- Spray Volume Rate: 150-260ml/minute
- Max spraying range (with no wind or other airflow): 8m
- Spray Fluid Tank Capacity: 4.5 litres
- Net Weight (dry without fluid):2.9kg
- Dimensions (cm) approx: 33 x 20.5 x 43
- Brand: Sterimax
- Model: SP-4.5
- European Conformity Certification: CE
- Made in China



CE

Figure 1

Introduction

Thank you for purchasing this electric fogging machine. This machine atomises liquid chemical products in order to create and distribute a pervasive fine fog to a wide-area target environment.

The most common uses for this equipment are:

- ✓ deep-clean disinfection of industrial, commercial, educational and residential locations to protect humans against viral and bacterial infection.
- ✓ Insecticidal and pesticidal spraying in horticultural and agricultural locations.

Obviously the operator needs to use an appropriate chemical solution to achieve their required objective. If you are planning to use this machine for the purposes of deep-clean disinfection against viruses or bacteria within a workplace, public facility, residential or other setting then please see page 6 for further assistance on choosing the correct chemical product.

Please note that the fog droplets emitted by the machine will not suspend in the air for more than a minute. However when it settles it will contact every exposed surface in a way that would be impossible with a more traditional “spray and wipe” cleaning method – including soft furnishings, carpets, walls, windows, ceilings, doors & door handles and any high touch objects where viruses and bacteria may be lurking.

We hope you love the effectiveness and the speed at which this machine can complete its task. As with all other industrial cleaning equipment however, please read the instructions before use, handle the machine carefully, wear correct PPE to avoid inhaling the fog during use and ensure it is not operated in the direct presence of other humans or animals.

Instructions for Use *Refer to Figure 1 as required*

1) Unscrew Fluid Reservoir Cap and **fill reservoir with appropriate chemical fluid** up to a maximum 4.5 litres.

➤ if the fluid that you will be using requires dilution then predilute in an appropriate mixing container such as large jug before pouring into the fluid reservoir.

2) Replace Fluid Reservoir Cap tightly, ensuring it is **completely air tight**.

3) **Connect power supply to the supplied plug-in RCD (Residual Current Device) and plug the RCD into a wall plug socket.** Press reset button on the RCD to ensure it is live.

4) Ensure the **Flow Control Screw is opened** at least 3 full turns from the closed position (anticlockwise will increase output fog volume and clockwise will reduce it).

5) Hold machine level and press the On/Off Switch to the **On position**.

6) **Re-adjust Flow Control Screw** to achieve the required fog output flow

7) **Spray in a smooth motion**, not aggressively rocking the machine or tilting the reservoir backwards (as that will cause intermittent supply of fluid to the pick-up pipe in the Fluid Reservoir).

8) **To alter angle of spray upwards or downwards** simply change the angle of the Top Section using the Spray Angle Pivot.

9) When machine is operating **keep the Fluid Reservoir tilted slightly downwards towards the front** of the machine to ensure the suction pick up tube located beneath the Flow Control Screw is continuously fed with fluid.

10) **Cordon off the sprayed area for at least 15-20 minutes to allow disinfection to be completed.**

11) For common high touch areas such as door handles and work surfaces continue to **frequently manually disinfect with spray & wipe cleaning techniques** in addition to fogging as per normal or enhanced cleaning routines.

Emptying and Cleaning

Once operation has finished it is strongly recommended to empty the fluid reservoir of any remaining chemical fluid back into its original container.

Then add about 1 litre of water into the fluid reservoir and spray in an outdoor area for 1-2 minutes to rinse any residual chemical fluid out of the internal parts of the appliance.

Finally, empty any residual water from the fluid reservoir after cleansing, ready for the next use.

This will greatly prolong the life of the machine as some chemicals may degrade the internal tubes and moving parts if they are not rinsed out during down-time.



Be Aware

Disinfection times:

Surfactant disinfectants will normally kill bacteria within a minute of contact. Data on viruses is less common but it is considered to take up to 5 minutes after contact to destroy a virus.

Wetness and drying time:

Under low to medium settings and spraying within ambient indoor locations of between 18 and 22°C all surfaces sprayed will be dry to the touch within 5 to 8 minutes. This includes both hard surfaces such as floors / doors / walls and soft surfaces such as carpets /chairs /curtains.

Visual residue on glass and mirrors:

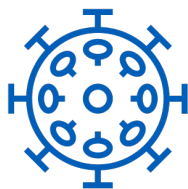
Some disinfecting chemicals may leave a slight smear appearance on mirrors and glass after drying. This actually provides a good visual indication of effective coverage. These surfaces can easily be wiped clean with a microfibre cloth or similar after about 10 minutes without having any negative impact on the disinfection process.



WARNING

- Never operate this equipment directly from an electrical plug socket without first connecting it to a plug-in Residual Current Device (RCD) which will prevent serious injury or death in the event of an electrical malfunction.
- Do not operate this machine for more than 20 minutes continuously. Leave to fully cool between periods of extended use.
- Ensure the Fluid Reservoir Cap is screwed down tightly before each use.
- Never spray flammable liquids, bleach, acid or other unsuitable or dangerous liquids through this machine.
- Never spray a viscous liquid through this machine.
- Conduct an appropriate risk assessment before use.
- Always wear suitable PPE when operating this machine. This should at least include an appropriate face mask and safety glasses.
- Never spray directly towards people or animals.
- Never spray on valuable items such as artworks or paintings.
- Never spray directly onto electrical items.
- If using a concentrated cleaning fluid requiring dilution then ensure correct pre-dilution before use.
- Ensure power cable is not damaged or frayed before each use.
- Ensure visible flow tubes are not kinked or damaged before and during use.
- Never operate this machine dry (without a suitable liquid).
- Always read and understand the Material Safety Data Sheet (MSDS) of each chemical fluid that you use in this machine before use.
- Do not allow water or fluid ingress into the Top Section of this machine. It houses all the electrical components.
- When not in use store in a cool and dry location.

Guide to Suitable Disinfection Fluids for Coronavirus



Most industrial cleaning fluids are anti-bacterials. Some are also rated for killing viruses and fungal spores.

COVID-19 is caused by a type of virus called a coronavirus. The name of this virus is SARS-CoV-2.

To reliably neutralise a virus you need to ensure that you are using a cleaning fluid that is specifically certified for virucidal properties. .

Fortunately the regulations for product labelling of disinfecting agents in the UK and EU makes it very easy to determine if a particular fluid has the appropriate virucidal properties.

To kill viruses you need to use a disinfecting fluid that is clearly labelled with rating **EN 14476**. That is the relevant European standard to demonstrate virucidal efficacy.

A quick search of the internet will give you several suitable product options that are certified with the EN 14476 virucide rating and are available in 5 litre containers.

Some examples are:

Non-Dilution brands (to use straight from the container):

One Chem All Clear (from Costco) and **Evans Safe Zone Plus**

Concentrates requiring dilution before use:

Selgiene Extreme C500 and **Pro-Kleen Y12D**

All products listed above are also certified for rating EN 1276 (MRSA) and other germicidal standards.

We strongly suggest that you only use unscented fluids.

Guide to relevant European Test Standards for Disinfecting Agents

VIRUSES	Poliovirus, Norovirus, Influenza A, adenovirus (EN 14476)
BACTERIA	MRSA (EN 1276), E.coli (EN 13697), Pseudomonas aeruginosa, Stapylococcus aureus (EN 1276, EN 13697, EN 13727, EN 14561)
BACTERIAL SPORES	Bacilus subtilis, Clostridium difficile (EN 13704)
FUNGI	Aspergillus niger (EN 13624, EN 13687, EN 1650), Cabdida albicans (EN13624, EN 13697, EN 14562, EN1650)

