



# ATMOTECH

PROFESSIONAL ATMOSPHERIC EFFECTS

## VS-400

VAPOR STREAM SERIES

ORDER CODE: FOG11

## VS-800

VAPOR STREAM SERIES

ORDER CODE: FOG12

**WARNING**

**FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY  
BEFORE YOUR INITIAL START-UP!**

**CAUTION!**

**Keep this equipment away from rain,  
moisture and liquids.**

**SAFETY INSTRUCTIONS**

Every person involved with the installation, operation & maintenance of this equipment should:

- Be competent
- Follow the instructions of this manual



**CAUTION! TAKE CARE USING THIS EQUIPMENT!  
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!**



Before your initial start-up, please make sure that there is no damage caused during transportation. Should there be any, consult your dealer and do not use the equipment.

To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.

Please note that damages caused by user modifications to this equipment are not subject to warranty.

**IMPORTANT:**

**The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.**

- Never let the power-cable come into contact with other cables. Handle the power-cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the equipment.
- Do not open the equipment and do not modify the equipment.
- Only use the equipment indoors.
- Do not expose to flammable sources or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 220v/240v.
- Make sure that the power-cable is never crimped or damaged. Check the equipment and the power-cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately. Have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Prolight dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. **THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.**
- **WARRANTY:** One year from date of purchase.

**OPERATING DETERMINATIONS**

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void.

Incorrect operation may lead to danger e.g. short-circuit, burns, electric shocks etc.

Do not endanger your own safety and the safety of others!

Incorrect installation or use can cause serious damage to people and property.

Before filling the unit disconnect the mains. Never fill with hot liquids.

Only use high quality, water based smoke fluid recommended by the manufacturer. Other smoke fluids may cause clogging and void the guarantee.

Always make sure there is sufficient smoke fluid in the tank. Operating this smoke machine without smoke fluid will cause damage to the pump as well as over heating of the heater.

Operate the unit only after you have familiarized yourself with its functions. Do not permit operation by persons not qualified for operating the unit and always drain the tank and use the original packaging if the unit is to be transported.

## STARTING OPERATION

Install the unit on a level surface.

The fluid tank of the unit needs to be filled with smoke fluid before switching on. Always disconnected it from the mains supply as fluid could be spilled.

Only use quality smoke fluids recommended by your dealer. We recommend high quality  smoke fluids. You must not use substances which are classified as **“DANGEROUS WORKING MATERIALS”** or **“FLAMMABLE FLUIDS”**.

If fluid should get inside the main housing, disconnect the unit from the mains immediately and consult a technician.

## INSTALLATION

Install the unit in a well-ventilated area. Use in an insufficiently ventilated room can lead to the condensation of the smoke fluid. The resulting slippery surface can cause accidents. Keep a minimum distance of 20cm around the unit.

Furthermore do not orientate the output nozzle directly in the direction of the audience's eyes. In order to create the best effect, there should be a distance between the unit and the audience of at least 1.5M.

Only install the smoke machine on fire resistant, scratch resistant and water resistant surfaces.

	<b>DANGER OF FIRE!</b> When installing the unit, make sure there is no highly flammable material (decoration articles etc) within a minimum distance of 0.5M	
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Please make sure that the installation angle does not exceed 15°.

This unit is constructed for a free standing or hanging installation. If the unit is to be installed overhead, please follow the safety instructions below:

## RIGGING INSTALLATION

The installation has to be built and constructed in a way that it can hold 10 times the weight of the unit(s) to be installed for 1 hour without any deformation.

The unit must always be secured with a secondary safety attachment, e.g. an appropriate catch net or safety wire. The secondary safety attachment must be constructed in a way that no part of the installed unit can fall down if the main attachment fails.

When rigging, derigging or servicing, do not allow personnel to be directly underneath the unit.

The operator must always make sure that the safety-relating and machine-technical installations are approved by an expert before operation for the first time and after any further changes are made.

The operator has to make sure that the safety-relating and machine-technical installations are approved by an expert after every four years in the form of an acceptance test.

The operator has to make sure that the safety-relating and machine-technical installations are approved by a qualified person once a year.

## **PROCEDURE**

When hanging, the unit must not be installed in areas where persons may walk by or be seated.

**IMPORTANT! OVERHEAD RIGGING REQUIRES EXTENSIVE EXPERIENCE**, including (but not limited to) calculating working load limits, installation materials being used, and periodic safety inspection of all installation materials and the unit. If you are not qualified, do not attempt the installation yourself, but instead use a professional structural rigger. Improper installation can result in bodily injury and or damage to property.

The unit has to be installed out of the reach of people.

**CAUTION:** Units in overhead installations may cause severe injuries when falling! If you have doubts concerning the safety of a possible installation, do not install the unit.

Mount the unit with the bracket to your hanging system using an appropriate clamp or bolt.

For overhead use, always install a safety wire which can hold at least 12 times the weight of the unit. You must only use safety wires with link screw caps.

The maximum drop distance must never exceed 20cm.

A safety wire which has already held the strain of a fallen item or which is defective must not be used again.

Adjust the desired installation angle via the mounting bracket and tighten the screws.



**DANGER TO LIFE!**  
Disconnect from the mains before  
starting maintenance



## CLEANING AND MAINTENANCE

We recommend a frequent cleaning of the unit. Please use a soft lint-free and moistened cloth. Never use alcohol or solvents!

Clean the output nozzle frequently from smoke fluid residues.

The  smoke fluids we recommend are non-hazardous to the environment and can be disposed of via the sewage system.

There are no serviceable parts inside this unit except for the fuse. Maintenance and service operations are only to be carried out by authorized dealers.

## REPLACING THE FUSE

Only replace the fuse with a fuse of same type and rating.

**Before replacing the fuse, disconnect from the mains.**

### Procedure:

- Step 1: Open the fuse holder on the rear panel with a suitable screwdriver.**
- Step 2: Remove the old fuse from the fuse holder,**
- Step 3: Install the new fuse in the fuse holder**
- Step 4: Replace the fuse holder in the housing.**

Should you need any spare parts, only use genuine parts.

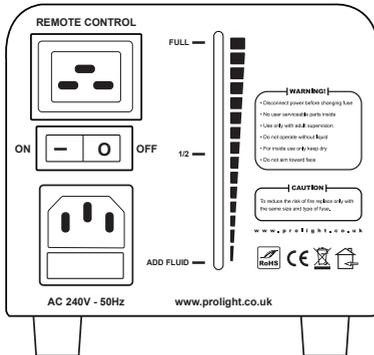
If defective, please dispose of the unusable unit in accordance with the current legal regulations.

Should you have any further questions, please contact your dealer.

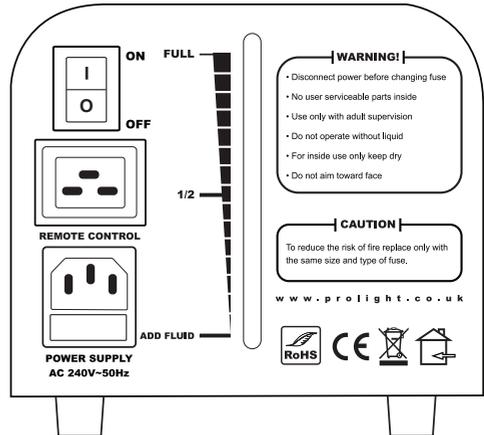
## OPERATION

Connect the remote to the remote control socket.  
Switch the unit ON via the power switch.

During the heating cycle no LEDs on the remote will be illuminated. Once the unit has reached the correct temperature the red LED will illuminate to show it is ready to fog. You can now press the fog button and the green light will illuminate. During the machines reheat cycle the red LED will be off and no fog can be produced until the unit is back to operating temperature.



VS-400



VS-800

Technical specifications	VS-400	VS-800
Smoke output	2,000 cu.ft per minute	2,000cu.ft per minute
Warm up time	approx. 2 mins	approx. 2 mins
Tank capacity	0.25 litre	1 litre
Power consumption	400W	800W
Power supply	240V	240V
Dimensions	240 x 144 x 150mm	325 x 186 x 222mm
Weight	1.75kg	3.4kg
Order code	FOG11	FOG12

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[www.prolight.co.uk](http://www.prolight.co.uk)