

**HURRICANE**  
1000  
User Manual



## Edition Notes

The Hurricane 1000 User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Hurricane 1000 as of the release date of this edition.

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### Document Printing

For best results, print this document in color, on letter size paper (8.5 x 11 in), double-sided. If using A4 paper (210 x 297 mm), configure the printer to scale the content accordingly.

### Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

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### Document Revision

Go to [www.chauvetdj.com](http://www.chauvetdj.com) for the latest version.

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# 1. Before You Begin

## What Is Included

- Hurricane 1000
- FC-M Wired Remote Control
- FC-W Wireless Remote Control
- Quick Reference Guide

## Unpacking Instructions

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.

## Claims

If the box or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not Chauvet. Failure to report damage to the carrier immediately may invalidate a claim. In addition, keep the box and contents for inspection.

For other issues, such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with Chauvet within 7 days of delivery.

## Text Conventions

Convention	Meaning
<b>1–512</b>	A range of values
<b>50/60</b>	A set of values of which only one can be chosen
<b>Settings</b>	A menu option not to be modified
<b>&lt;ENTER&gt;</b>	A key to be pressed on the product’s control panel
<b>ON</b>	A value to be entered or selected

## Symbols

Symbol	Meaning
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

### Safety Notes

These Safety Notes include important information about installation, use, and maintenance of the Hurricane 1000.



- **ALWAYS:**
  - ◆ Connect to a grounded circuit.
  - ◆ Connect to operating voltages as specified on the product's spec sticker.
  - ◆ Disconnect from power before replacing the fuse.
  - ◆ Disconnect from its power source during periods of inactivity.
  - ◆ Use a safety cable when suspending overhead.
  - ◆ Heed all restrictions and warnings on the spec sticker.
  - ◆ Mount in a location with at least 20 in (50 cm) of ventilation.
  - ◆ Replace the fuse with the same type and rating.
  - ◆ Use Chauvet fluids.
  - ◆ Drain the tank before transporting or storing the product.
  - ◆ Keep the machine level.
  - ◆ Clean the machine after every use.
  - ◆ Clean around the product during and after use, as surfaces may become slippery.

- In the event of a serious operating problem, stop using immediately.
- All fog machines may set off smoke detectors.
- **DO NOT:**
  - ◆ Open this product or attempt any repairs. It contains no user-serviceable parts.
  - ◆ Look at the light source when the product is on.
  - ◆ Use if the power cable is crimped or damaged.
  - ◆ Disconnect by pulling on the power cable.
  - ◆ Allow flammable materials close to the product when it is operating.
  - ◆ Touch the housing when it is on.
  - ◆ Block any ventilation holes/slots in the housing.
  - ◆ Connect to a dimmer or rheostat.
  - ◆ Carry the product by its power cable.
  - ◆ Operate in temperatures higher than 104°F (40°C).
  - ◆ Expose to environments that exceed the Ingress Protection (IP) rating.
  - ◆ Expose to rain or moisture.
  - ◆ Use outdoors.
  - ◆ Submerge.
  - ◆ Set this product on a flammable surface.
  - ◆ Touch the output nozzle. It may be hot for several hours after use.
  - ◆ Drink the fluid.
  - ◆ Add perfume, alcohol, gasoline or any other chemical to the fluid.
  - ◆ Use for space-heating purposes.
  - ◆ Overfill.



**Keep this User Manual for future use. If the product is sold to someone else, be sure that they also receive this document.**

## FCC Statement of Compliance

This device complies with Part 15 Part B of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

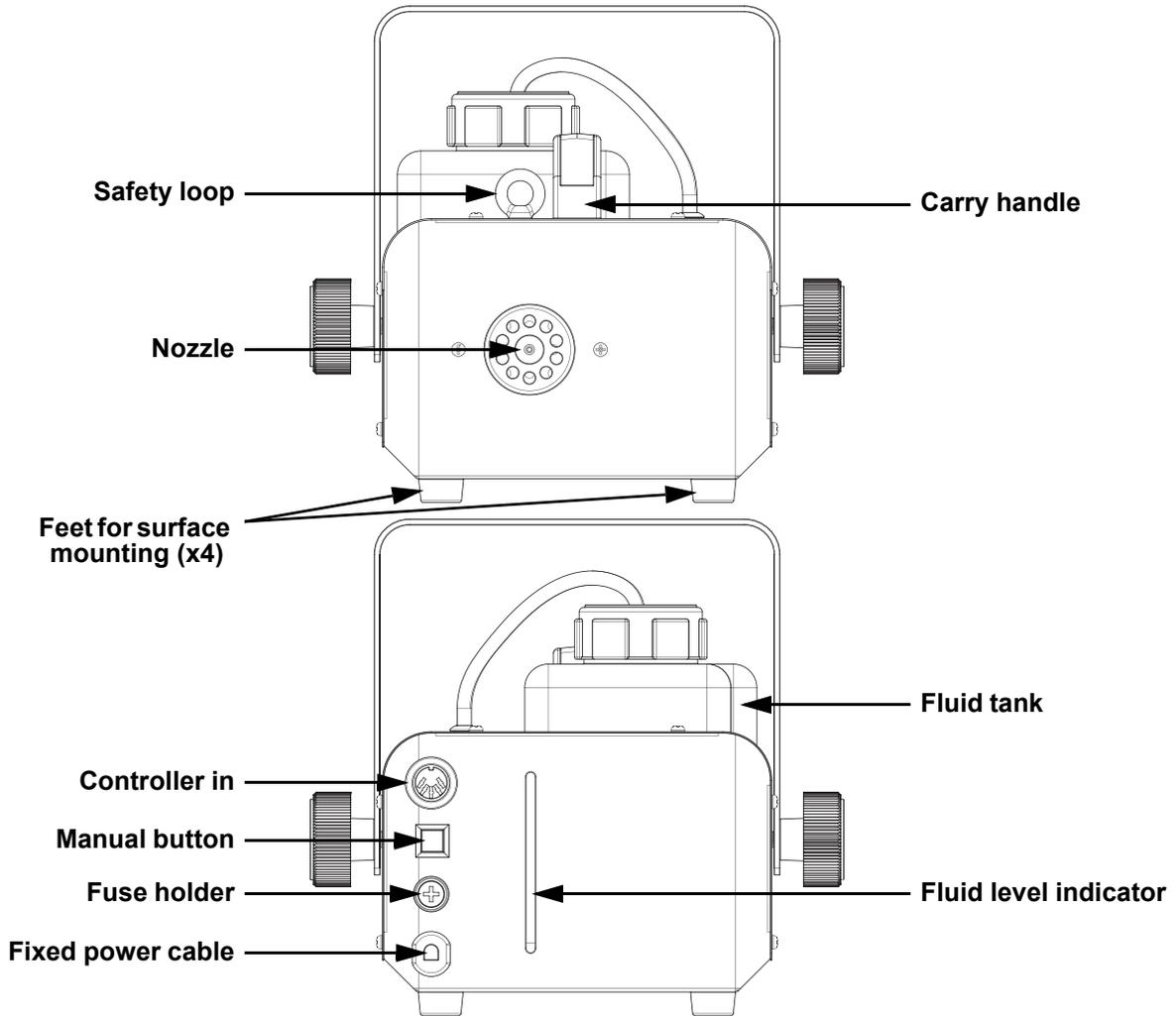
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## RF Exposure Warning for North America and Australia

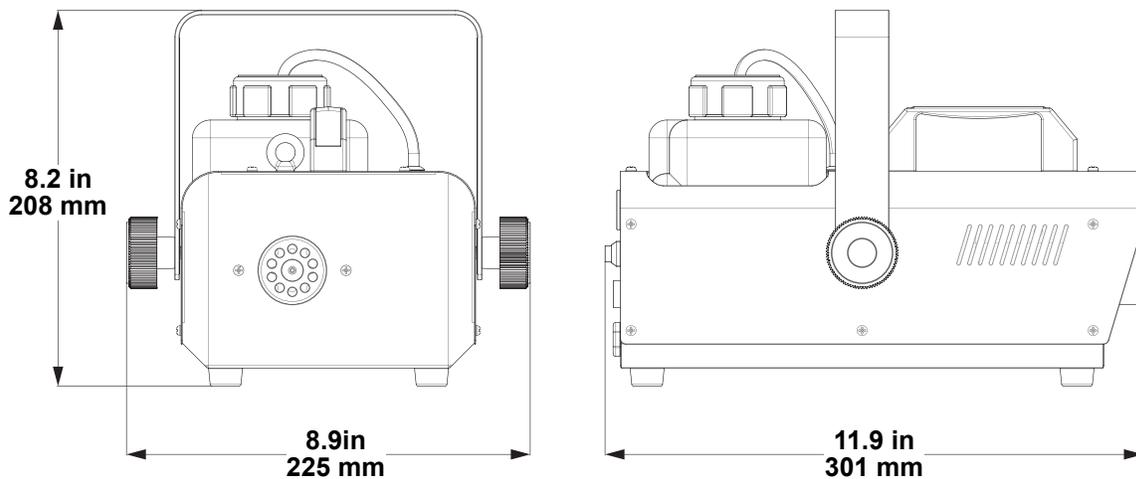
**Warning!** This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and the user. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## 2. Introduction

### Product Overview



### Product Dimensions



## 3. Setup

### AC Power

The Hurricane 1000 has a fixed voltage power supply, and it can work with an input voltage range of either 120 VAC, 60 Hz or 220 VAC, 50 Hz, depending on the specific model.

To determine the product's power requirements (circuit breaker, power outlet, and wiring), use the current value listed on the label affixed to the product's back panel, or refer to the product's specifications chart.

The listed current rating indicates the product's average current draw under normal conditions.



- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**



**Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.**

### Fuse Replacement

1. Disconnect the product from power.
2. Using a Phillips-head screwdriver, unscrew the fuse holder and pull it straight out.
3. Remove the blown fuse from the holder and replace with a fuse of the exact same type and rating.
4. Re-insert the fuse holder and reconnect power.



**Disconnect the product from the power outlet before replacing the fuse.**



**Always replace a blown fuse with one of the same type and rating.**



**While operating the Hurricane 1000, make sure there is adequate fog fluid in the machine to prevent pump and heater damage. When the fog fluid level becomes low, simply add more fog fluid to continue using the Hurricane 1000.**

## Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#).

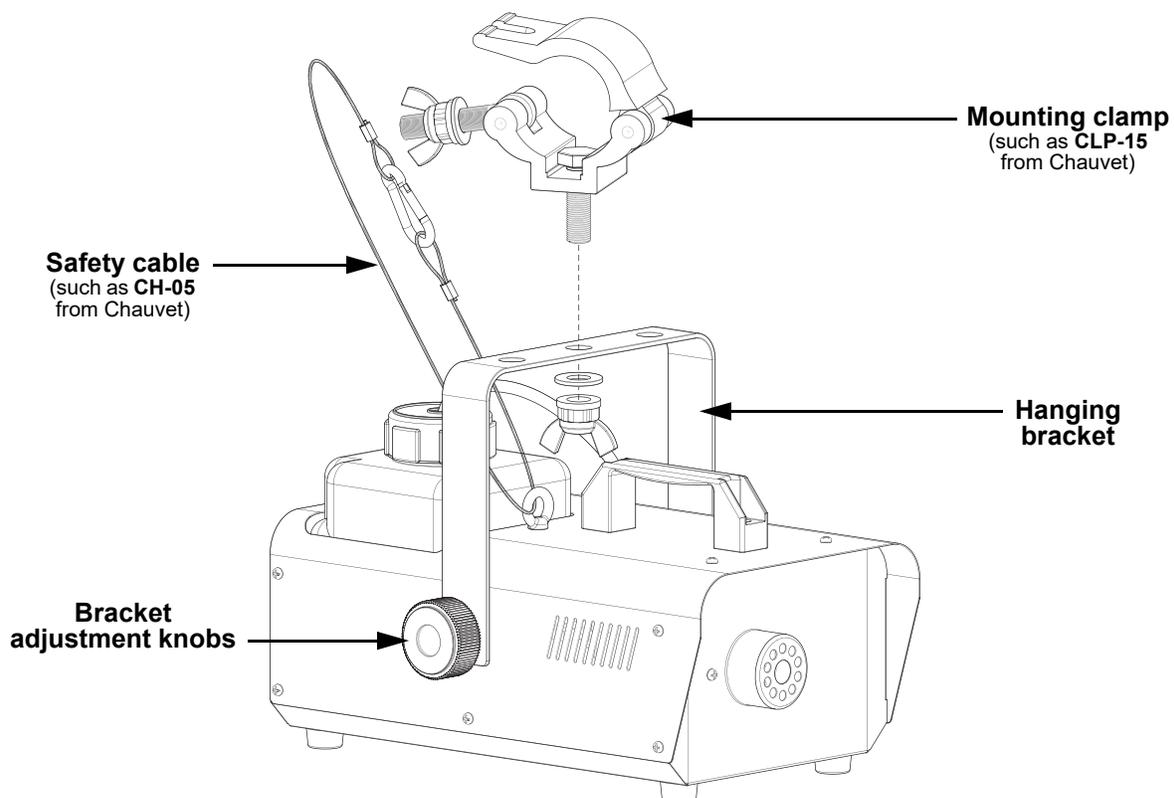
### Orientation

It is possible to mount the Hurricane 1000 in any position; however, make sure to provide adequate ventilation around the product.

### Rigging

- Before deciding on a location for the product, always make sure there is easy access to the product for maintenance and programming.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#)).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, such as an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity. The bracket has a 13-mm hole, which is appropriate for this purpose.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.
- When mounting the product on the floor, make sure that the product and cables are away from people and vehicles.

### Mounting Diagram



While operating the Hurricane 1000, make sure there is adequate fog fluid in the machine to prevent pump and heater damage. When the fog fluid level becomes low, simply add more fog fluid to continue using the Hurricane 1000.

## 4. Operation



- The Hurricane 1000 may start producing fog intermittently to allow for fluid reheating after a period of continuous fog output. This is a normal occurrence.
- The duration of manual fog output is based on the capability of the fog machine.

### Manual Operation

The Hurricane 1000 can be operated manually. The Manual button is located on the rear of the product (see the [Product Overview](#)).

### FC-M Wired Manual Remote

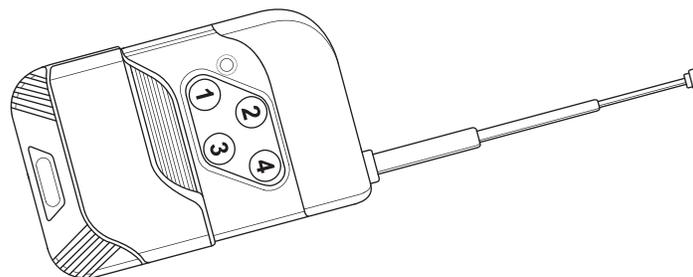
The Hurricane 1000 can be operated with the included wired manual remote control (FC-M). This allows the user to start and stop the fog output. It operates the same as the Manual button on the product, with the addition of a READY indicator LED.



1. Plug the Hurricane 1000 in to power.
2. Plug in the wired manual remote control to the Remote Connector socket on the back of the product (see the [Product Overview](#)).
3. Wait for the **READY** indicator LED to light up, indicating the product is heated enough to produce fog.
4. Press and hold the **<FOG>** button on the wired manual remote control.
5. Release the button to stop the fog output.

### FC-W Wireless Remote

The FC-W wireless remote allows the user to trigger the Hurricane 1000 to produce fog from up to 100 ft away. No extra receiver is required, as the product has an internal receiver for the wireless remote.



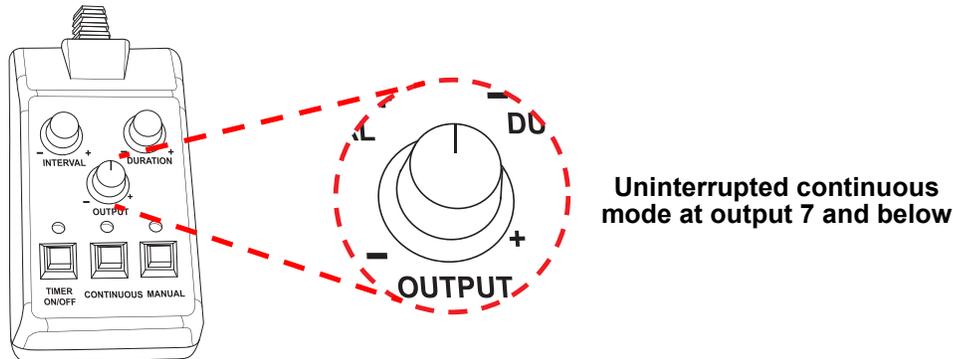
1. Plug the Hurricane 1000 in to power.
2. Allow the product up to 3-4 minutes to heat up.
3. Press and hold the **<1>** button on the wireless remote.
4. Release the button to stop the fog output.



- Ensure the FC-W has an unobstructed view of the product for maximum performance.
- The **<2>**, **<3>**, and **<4>** buttons are reserved for future use.

## FC-T Wired Timer Remote

The FC-T wired timer controller allows you to automatically trigger fog output by setting interval and duration times. LED indicator lights display the machine and controller's current state. Rotary knobs set interval time, output, and duration time, while manual and continuous buttons allow overriding control.



1. Plug the product in to power.
2. Plug the FC-T in to the wired controller socket on the back of the product. (See the [Product Overview](#).)

### Wired Timer Remote Operation

The FC-T has three modes of operation: timer, continuous, and manual.

#### Timer Mode

To operate the Hurricane 1000 with the timer function:

1. Set the desired output level with the **OUTPUT** knob.
2. Set the **INTERVAL** and **DURATION** knobs to the desired positions.
  - The **INTERVAL** knob sets the amount of time in between bursts of fog.
  - The **DURATION** knob sets the length of time that the fog machine will run during the burst.
3. Press the <**TIMER ON/OFF**> latching button. The LED indicator above the button will light up.
4. Press the <**TIMER ON/OFF**> button again to turn off the timer.



**The MANUAL Button will override the timer function.**

#### Continuous Mode

To trigger the Hurricane 1000 to continuously output fog:

1. Set the desired output level with the **OUTPUT** knob.
2. Press the <**CONTINUOUS**> latching button. The LED indicator above the button will light up. The fog machine outputs fog until the <**CONTINUOUS**> button is pressed again.
3. Press the <**CONTINUOUS**> button again to stop the fog output.



**DO NOT run the product in Continuous mode for longer than 15 minutes. Continuous mode must be followed by an equal amount of time without output (For example: follow 8 minutes of Continuous operation with 8 minutes of no output). DO NOT trigger the product to output fog during that time.**



- In order for Continuous mode to run uninterrupted, without the Hurricane 1000 stopping to reheat, set the **OUTPUT** knob no higher than 7. At Output levels above 7, the fog machine will cycle through intermittent bursts of fog during its reheating program.
- The duration of Continuous fog output is based on the capacity of the tank.
- Fluid consumption will be significantly increased during Continuous mode.

#### Manual Mode

To trigger the Hurricane 1000 manually with the FC-T:

1. Set the desired output level with the **OUTPUT** knob.
2. Press and hold the <**MANUAL**> button on the FC-T. The LED indicator above the button will light up. The fog machine will output for the duration of the button press.
3. Release the <**MANUAL**> button to stop the fog output.

## 5. Maintenance

### Product Maintenance

Dust build-up reduces product performance and can cause overheating. This can lead to reduction of the product's life and/or mechanical wear. To maintain optimum performance and minimize wear, clean all lighting products at least twice a month. However, be aware that usage and environmental conditions could be contributing factors to increase the cleaning frequency.

To clean the product, follow the instructions below:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external surface/vents.

### Fog Machine Maintenance

Do not allow the fog machine to become clogged. After every 40 hours of continuous operation, use Chauvet Fog Cleaner Quart (FCQ) through the system to prevent the accumulation of particulate matter in the heating element.

The recommended cleaning procedure is as follows.

1. Unplug the product from power.
2. Empty all fog fluid from the machine.
3. Add cleaning solution to the tank.
4. Connect the product to power and allow it to warm up.
5. Run the unit in a well-ventilated area until the tank is almost empty. Do not allow the pump to run dry.
6. Refill with fog fluid to continue using the fog machine. Run the machine briefly to clear any remaining cleaning solution from the pump and heater.



**Do Not operate the machine without fluid at any time.**



**Fog Cleaner Quart (FCQ) was specifically developed by Chauvet to clean the Hurricane 1000. Use FCQ regularly, no longer than 90 days between cleanings, to increase the life of the product.**

### Storage

Before storing the fog machine, run FCQ through the system as described in the cleaning procedure above; however, only follow steps 1 through 5. **Do not refill the tank with fog fluid if storing the Hurricane 1000.** Cleaning the system prior to storage will help prevent any particles from condensing inside the pump or heater while not in use.



**Test-run the Hurricane 1000 on a monthly basis to achieve the best performance.**

## General Troubleshooting

Symptom	Possible Cause	Possible Solution
No output / short output	Line blockage	Ensure there is fluid in the tank.
		Turn the product 45° to flatten out the bubble and allow the fog fluid to flow properly.
	Air in fluid line	Unplug the product for 5 seconds, then plug it back in. Repeat as necessary. <b>Note:</b> after 10 attempts, contact Chauvet Technical Support..
No output / spitting fluid	Incorrect fluid	Clean thoroughly with Chauvet FCQ (see <a href="#">Fog Machine Maintenance</a> ). Refill with Chauvet water-based fog fluid.
	Blocked pipes	Contact Chauvet Technical Support.
	Failing part	
Fuse keeps blowing	Excessive load on the circuit	Ensure the total load does not exceed 80% of the breaker or fuse nominal current.
	Short circuit along the power lines	Check the power lines and power cords.
Product does not power on	No energy on power outlet	Check the power outlet. Change to another outlet.
	Loose power cord	Check the power cord.
	Damaged power cord	
	Blown fuse	Replace the blown fuse with an intact fuse of the same type and rating.
Product stops pumping Loud noise	Internal problem	Send product for repair.
	Low / no fluid	Refill with Chauvet water-based fog fluid.



If problems persist after attempting the solutions above, contact Chauvet Technical Support.

## 6. Technical Specifications

### Dimensions and Weight

Length	Width	Height	Weight
11.9 in (301 mm)	8.9 in (225 mm)	8.2 in (208 mm)	5.8 lb (2.7 kg)

**Note:** Dimensions in inches are rounded.

### Power

Power Supply Type	Range	Voltage Selection
Model-specific	120 VAC, 60 Hz or 220 VAC, 50 Hz	Fixed
Parameter	120 V, 60 Hz	230 V, 50 Hz
Consumption	740 W	805 W
Operating Current	5.9 A	3.5 A
Fuse	F 10 A, 250 V	F 10 A, 250 V
Power I/O	U.S./Worldwide	UK/Europe
Power input connector	Hard-wired	Hard-wired
Power cable plug	Edison (U.S.)	Local Plug

### Operation

Heat-Up Time	Tank Capacity	Fluid Consumption	Fog Output
2 min	0.26 gal (1.0 l)	20 ml/min	10,000 cfm

### Thermal

Maximum External Temperature	Cooling System
104 °F (40 °C)	Convection

### Ordering

Product Name	Item Code	UPC Number
Hurricane 1000 (120 V)	09071071	781462214197
Hurricane 1000 (230 V)	09071072	781462214203



## Contact Us

General Information	Technical Support
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## Warranty & Returns

For warranty terms and conditions and return information, please visit our website.

For customers in the United States and Mexico: [www.chauvetlighting.com/warranty-registration](http://www.chauvetlighting.com/warranty-registration).

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: [www.chauvetlighting.eu/warranty-registration](http://www.chauvetlighting.eu/warranty-registration).