

HURRICANETM 1301

User Manual

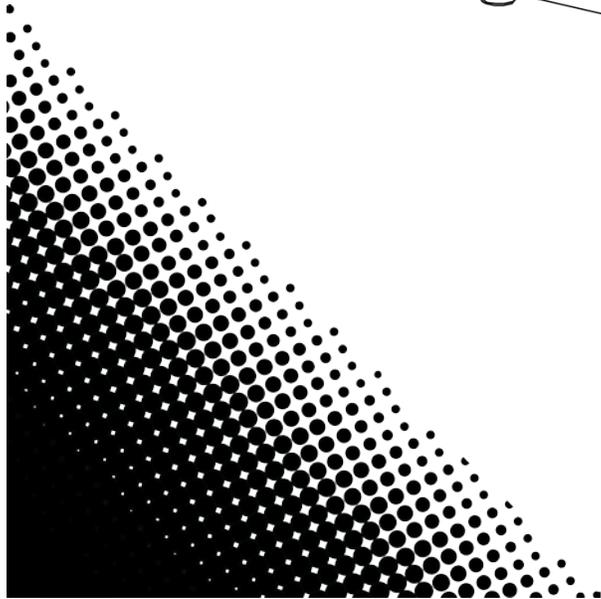
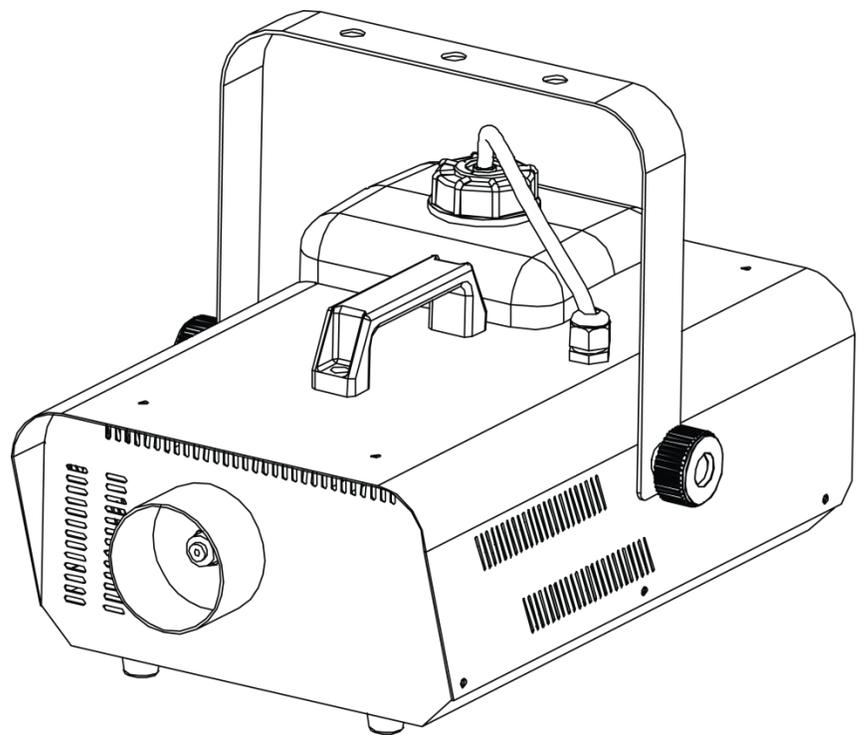


TABLE OF CONTENTS

1. Before You Begin	3
What Is Included.....	3
Unpacking Instructions	3
Claims	3
Text Conventions	3
Symbols.....	3
Disclaimer.....	3
Product at a Glance.....	4
Safety Notes.....	4
2. Introduction	5
Overview.....	5
Dimensions.....	6
3. Setup	7
AC Power	7
Fuse Replacement	7
Mounting.....	8
Orientation.....	8
Rigging	8
4. Operation	9
Remote or Manual Operation	9
Timer Remote Controller (FC-T).....	9
Fluid Tank Indicator LED.....	9
5. Technical Information	10
Fogger Maintenance	10
Storage	10
6. General Troubleshooting	11
7. Technical Specifications	12
Returns	13
RMA.....	13
Contact Us	14

1. BEFORE YOU BEGIN

What Is Included

- Hurricane™ 1301
- FC-T Wired Timer Controller
- Hanging Bracket with Mounting Hardware
- Power Cord
- Warranty Card
- 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 your 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
1—512	A range of values
50/60	A set of values
Settings	A menu option
Menu > Settings	A sequence of menu options
<Enter>	A button

Symbols

Symbol	Meaning
	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.

Disclaimer

The information and specifications contained in this User Manual are subject to change without notice. Chauvet assumes no responsibility or liability for any errors or omissions, and reserves the right to revise or recreate this manual at any time. Download the latest version from www.chauvetlighting.com.

© Copyright 2014 Chauvet. All rights reserved.

Electronically published by Chauvet in the United States of America.

Author	Date	Editor	Date
A. Leon	10/23/2014	M. Trouard	10/23/14

Product at a Glance

Use on Dimmer	✗	Auto Programs	✗
Outdoor Use	✗	Fixed voltage (120 V or 230 V)	P
Sound-Activated	✗	Replaceable Fuse	P
DMX	✗	User-Serviceable	✗
Master/Slave	✗	Duty Cycle	✗

Safety Notes

These notes include important information about the mounting, usage, and maintenance of this product; read before using the product.



- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning or replacing the fuse.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power by pulling or tugging on the cord.
- If mounting the product overhead, always secure to a fastening device using a safety cable.
- Make sure there are no flammable materials close to the product when operating.
- Do not touch the product's housing when operating because it may be very hot.
- Do not mount the product on a flammable surface (linoleum, carpet, wood, paper, carton, plastic, etc.).
- The product's nozzle is very hot during operation and it remains hot for a long time after operation has stopped.
- The fog exits the nozzle at a very high temperature. Keep a minimum distance of 6.5 ft (2 m) from the nozzle to the nearest object.
- Do not use the product as a space heater.
- Do not drink or come in contact with the fog fluid. If you do, call your local emergency service (911 in the US) for help.
- Do not add perfume, alcohol, gasoline, or any other flammables to the fog fluid.



- Always make sure that the voltage of the outlet to which you are connecting the product is within the range stated on the decal or rear panel of the product.
- The product is for indoor use only! (IP20) To prevent risk of fire or shock, do not expose the product to rain or moisture.
- Always install the product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
- Be sure that no ventilation slots on the product's housing are blocked.
- Never connect the product to a dimmer.
- Make sure to replace the fuse with another of the same type and rating.
- Never carry the product from the power cord or any moving part. Always use the hanging/mounting bracket.
- The maximum ambient temperature (Ta) is 104 °F (40 °C). Do not operate the product at higher temperatures.
- In the event of a serious operating problem, stop using the product immediately.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Contact the nearest authorized technical assistance center.
- This product is not intended for permanent installation.
- Use only CHAUVET® water-based fog fluid.
- Drain the tank before transporting the product.
- 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.



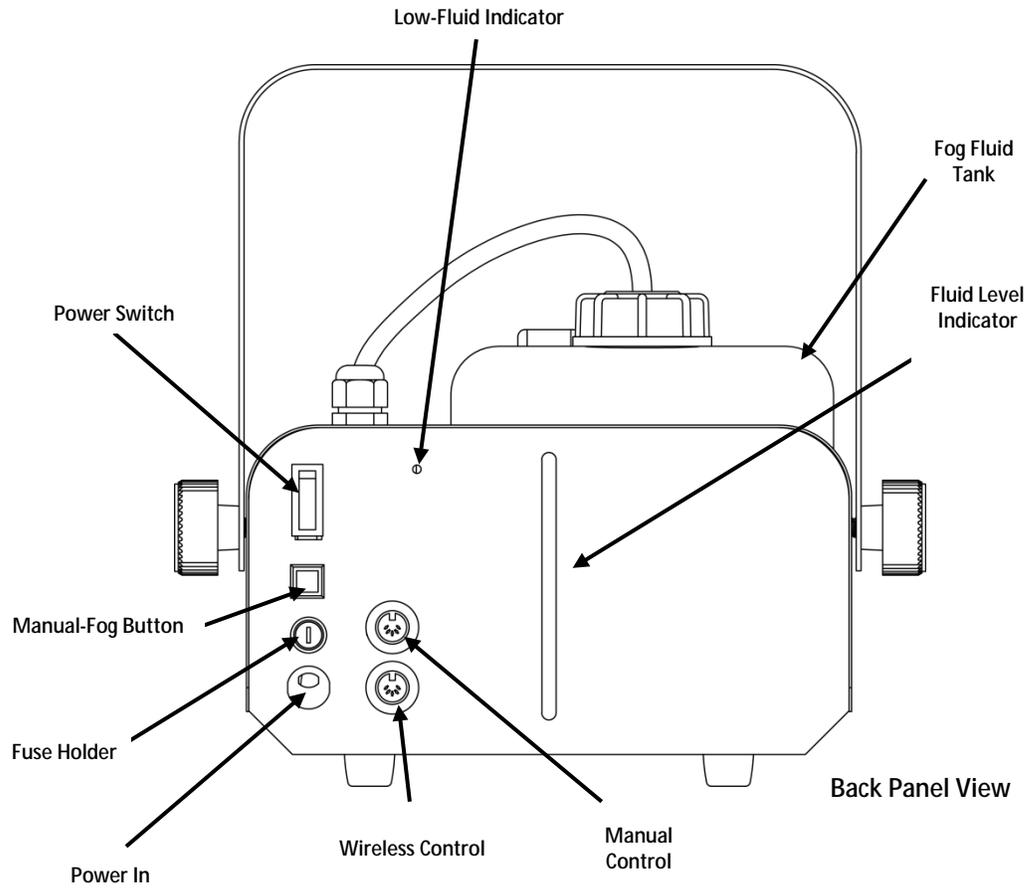
Keep this User Manual for future use. If you sell the product to another user, be sure to give this document to the next owner.



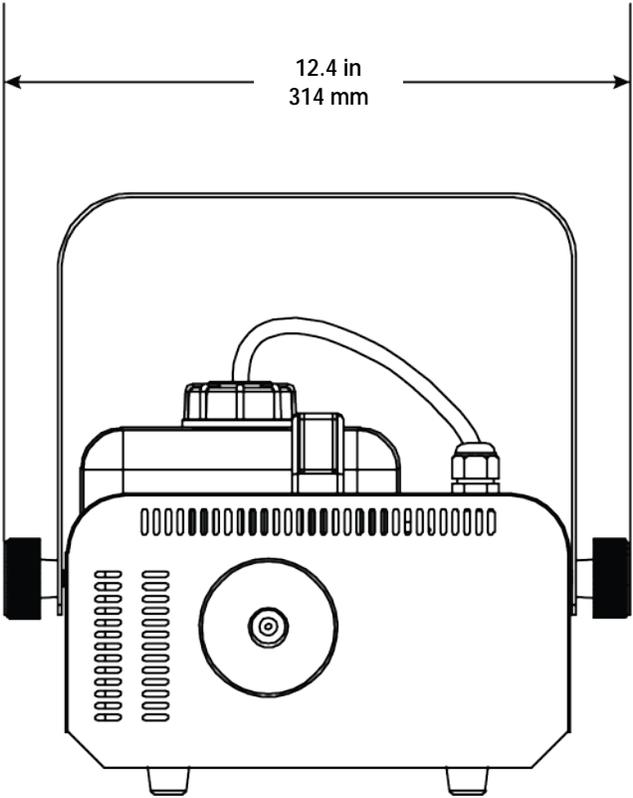
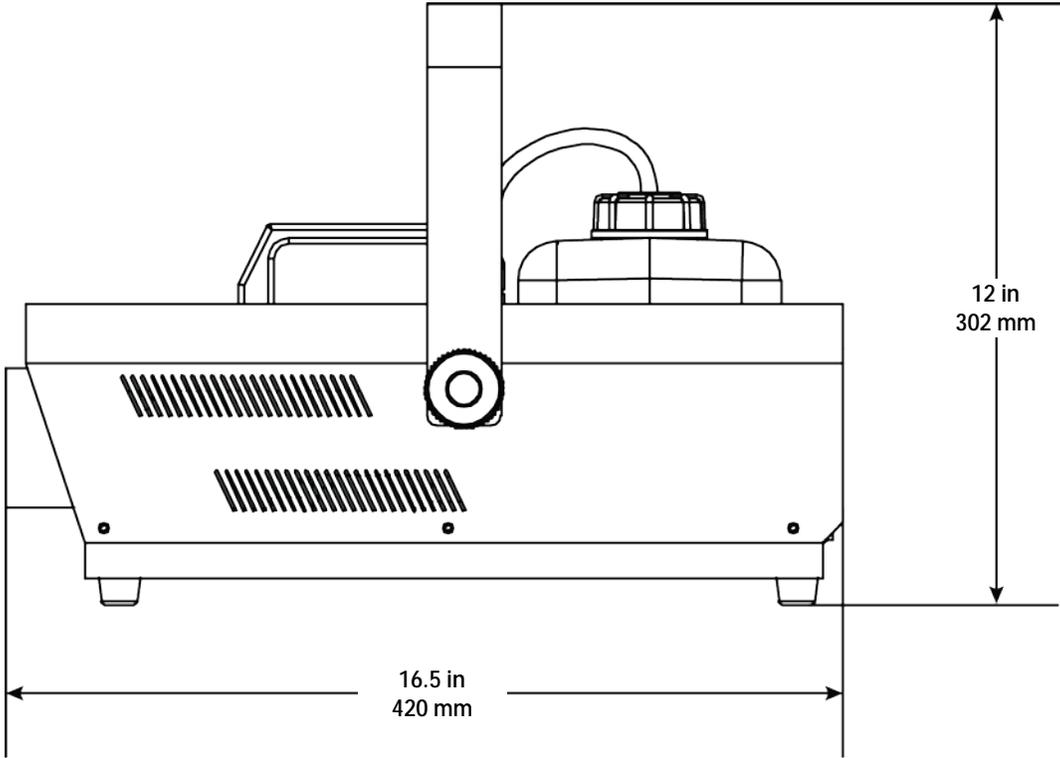
FCQ (Fog Cleaner Quart) was specifically developed by Chauvet to clean your Hurricane™ 1301. Make sure you use FCQ regularly, no longer than 90 days between cleanings, to increase the life of your fogger.

2. INTRODUCTION

Overview



Dimensions



3. SETUP

AC Power This Hurricane™ 1301 has a fixed voltage power supply and it can work with an input voltage of either 120 VAC, 60 Hz or 230 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 (circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.



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. With a flat-head head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse.
4. Replace with a fuse of the same type and rating.
Screw the fuse holder cap back in place and reconnect power.



Disconnect the product from power before replacing the fuse.



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

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

Orientation

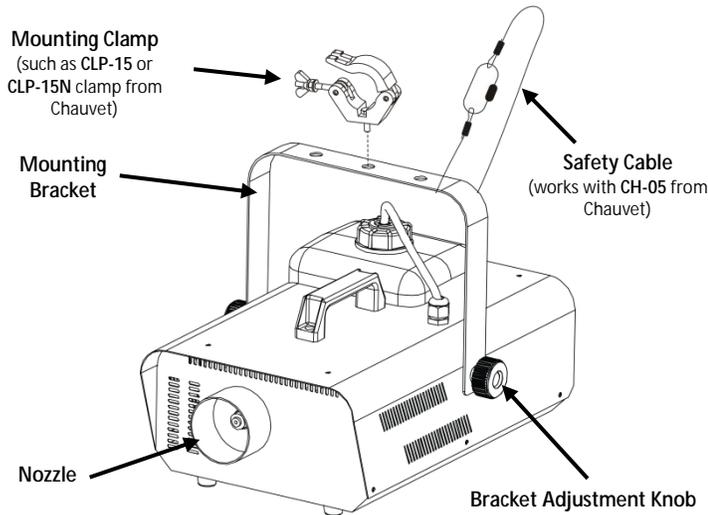


This product may not be tilted. This product should only be mounted/used on a level surface.

Rigging

- Before deciding on a location, always make sure there is easy access to the product for maintenance and fluid replenishment.
- Make sure that the structure or surface onto which you are mounting the product can support the product's weight (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, you should use a mounting clamp of appropriate weight capacity. The bracket has 13-mm holes, which are appropriate for this purpose.
- The rubber feet also serve as floor supports and allow for surface mounting. 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™ 1301, make sure there is adequate fog fluid in the machine to prevent pump and heater damage. When the fog fluid level becomes low, as a safety feature, the heat sensor will make a very loud noise. Simply add more fog fluid to continue using the Hurricane™ 1301.

4. OPERATION

Remote or Manual Operation

The Hurricane™ 1301 can be operated manually, or with the included timer remote controller (FC-T). The Manual button is located on the rear of the unit. See the product [Overview](#).

Two other optional remote controls are also available: a manual wired remote (FC-M) and a wireless remote (FC-W). Details on the optional controllers are available at <http://www.chauvetlighting.com/>.

Timer Remote Controller (FC-T)

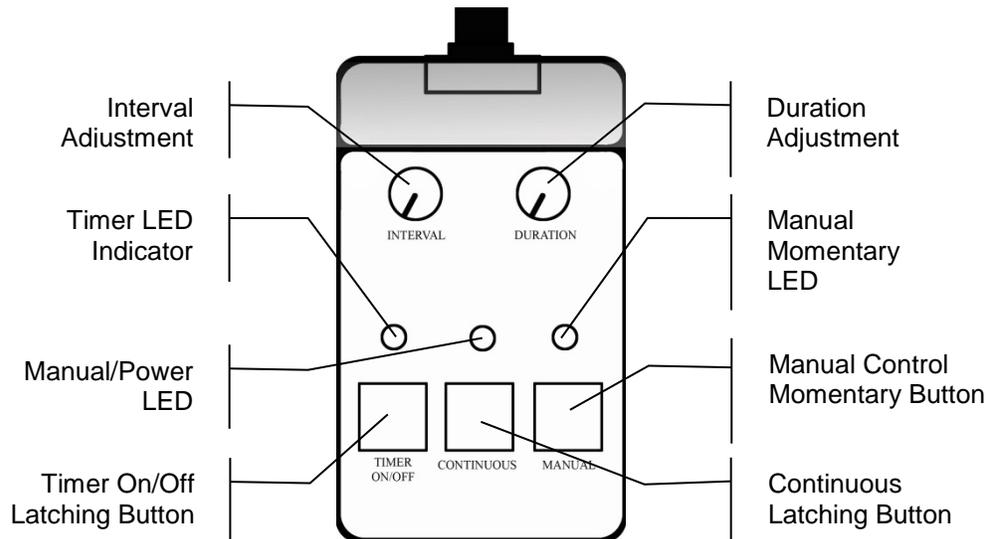
The FC-T wired timer controller allows you to automatically trigger fog output by setting interval and duration times. LED indicator lights display the machine and controller's current state. Rotary knobs set interval and duration times, while manual and continuous buttons allow overriding control.

1. Plug in the fog machine to power and turn the power switch to the product on.
2. Plug in the timer controller to the Manual Controller socket on the back of the fog machine.
3. Press the **<TIMER ON/OFF>** latching button on the timer controller. The Timer LED Indicator above the button will light up. The **<TIMER ON/OFF>** latching button will remain on until it is pressed again.
4. Set the INTERVAL and DURATION adjustment knobs to the desired positions.
 - INTERVAL knob sets the amount of time in between bursts of fog
 - DURATION knob sets the length of time that the fog machine will run during the burst
5. Press the **<CONTINUOUS>** latching button and the fog machine outputs fog until the button is pressed again. The Manual/Power LED Indicator above the button will light up during continuous operation.

Note: The duration of continuous fog output is based on the capability of the fog machine.

6. Press the **<MANUAL>** button to momentarily output fog. The fog machine will output fog for as long as you hold down the button. During manual operation the Manual Momentary LED Indicator above the button will light up.

Note: The duration of manual fog output is based on the capability of the fog machine.



Fluid Tank Indicator LED

The indicator LED on the back of the Hurricane™ 1301 shows the status of the fogger, as follows:

- Orange - pump is not detecting fluid

Note: The Hurricane™ 1301 may output fog for a short duration to allow for a self-checking cycle.

5. TECHNICAL INFORMATION

Fogger Maintenance Do not allow the fogger 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 fogger fluid to continue using the fogger. 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 your Hurricane™ 1301. Make sure you use FCQ regularly, no longer than 90 days between cleanings, to increase the life of your product.

Storage Before storing the fogger, 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 fogger.** Cleaning the system prior to storage will help prevent any particles from condensing inside the pump or heater while not in use.



Test-run your Hurricane™ 1301 on a monthly basis to achieve the best performance.

6. GENERAL TROUBLESHOOTING

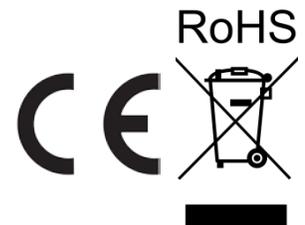
Symptom	Possible Cause	Indicator Status	Possible Action
No output or short output	Line blockage or air in fluid line	Orange	Make sure there is fluid in the tank
			Turn fog machine 45° to flatten out the bubble and allow the fog fluid to flow properly
Prime by setting output to the highest setting			
Turn off the product for 5 seconds, and then turn it back on. Repeat as necessary. Note: After more than 10 attempts, contact Customer Service.			
	Incorrect fluid	Off	Clean thoroughly with CHAUVET® FCQ. For full instructions, see Fogger Maintenance . Refill with CHAUVET® water-based haze fluid.
No output or spitting fluid	Incorrect fluid	Off	Clean thoroughly with CHAUVET® FCQ. For full instructions, see Fogger Maintenance . Refill with CHAUVET® water-based haze fluid.
	Blocked pipes		Contact Customer Service
	Failing part		Contact Customer Service
Fuse keeps blowing	Excessive load on the circuit		Make sure that 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 up	No energy on power outlet		Check power outlet Change to another outlet
	Loose or damaged power cord		Check the power cord
	Blown fuse		Replace blown fuse with a good one of the same type and rating
	Internal problem		Send product for repair
Product stops pumping/ Loud noise	Low/No Fluid		Refill product with fluid
	Pump protection system engaged		Release manual fog button, and press it again to reset pump protection system



If you still experience problems after trying the solutions presented here, contact Chauvet Technical Support. See [Contact Us](#).

7. TECHNICAL SPECIFICATIONS

Dimensions and Weight	Length	Width	Height	Weight
	16.5 in (420 mm)	12.4 in (314 mm)	12 in (302 mm)	13.8 lb (6.3 kg)
Note: Dimensions in inches rounded to the nearest decimal digit.				
Power	Power Supply Type	Range		Voltage Selection
	Model-specific	120 VAC, 60 Hz or 230 VAC, 50 Hz		Fixed
	Parameter	120 V, 60 Hz		230 V, 50 Hz
	Consumption	1,202 W		1,202 W
	Operating current	10 A		5.2 A
	Fuse	F 13 A, 250 V		F 7 A, 250 V
Operation	Power I/O	US/Worldwide		UK/Europe
	Power input connector	Hard-wired		Hard-wired
	Power Cord plug	Edison (US)		Local plug
	Heat-up Time	Tank Capacity	Fluid Consumption	
	5.5 min	0.9 gal (3.3 l)	125 ml/min	
Fog Output	Output			
	20,000 cfm			
Thermal	Maximum External Temp.	Cooling System		
	104 °F (40 °C)	Convection		
Ordering	Product Name	Item Code	Item Number	
	Hurricane™ 1301 (120 V)	05070793	781462211417	
	Hurricane™ 1301 (230 V)	05070796	781462211448	



RETURNS

To return a product or request support:

- In the U.S., contact Chauvet World Headquarters (see [Contact Us](#)).
- In the UK or Ireland, contact Chauvet Europe Ltd. (see [Contact Us](#)).
- In Mexico, contact Chauvet Mexico (see [Contact Us](#)).
- In any other country, DO NOT contact Chauvet. Contact your distributor. See www.chauvetlighting.com for distributors outside the U.S., United Kingdom, Ireland, or Mexico.



If you live outside the U.S., United Kingdom, Ireland, or Mexico, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website for contact details.

RMA

Call the corresponding Chauvet Technical Support office and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause for the return.

You must send the merchandise prepaid, in its original box, and with its original packing and accessories. Chauvet will not issue call tags.

Clearly label the package with the RMA number. Chauvet will refuse any product returned without an RMA number.



Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be your responsibility. FedEx packing or double-boxing are recommended.



Chauvet reserves the right to use its own discretion to repair or replace returned product(s).

CONTACT Us

WORLD HEADQUARTERS - Chauvet

General Information

Address: 5200 NW 108th Avenue
Sunrise, FL 33351
Voice: (954) 577-4455
Fax: (954) 929-5560
Toll free: (800) 762-1084

Technical Support

Voice: (954) 577-4455 (Press 4)
Fax: (954) 756-8015
Email: tech@chauvetlighting.com

World Wide Web www.chauvetlighting.com

UNITED KINGDOM AND IRELAND - Chauvet Europe Ltd.

General Information

Address: Unit 1C
Brookhill Road Industrial Estate
Pinxton, Nottingham, UK
NG16 6NT
Voice: +44 (0)1773 511115
Fax: +44 (0)1773 511110

Technical Support

Email: uktech@chauvetlighting.com

World Wide Web www.chauvetlighting.co.uk

MEXICO - Chauvet Mexico

General Information

Address: Av. Santa Ana 30
Parque Industrial Lerma
Lerma, Mexico C.P. 52000
Voice: +52 (728) 285-5000

Technical Support

Email: servicio@chauvet.com.mx

World Wide Web www.chauvet.com.mx

Outside the U.S., United Kingdom, Ireland, or Mexico, contact your dealer. Follow their instructions to request support or to return a product. Visit our website for contact details.