

Amhaze Stadium

User Manual



Model ID: (120V): AMHAZESTADIUM
Model ID: (230V): 230VAMHAZESTADIUM

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Edition Notes

The AmHaze Stadium User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the AmHaze Stadium 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.chauvetprofessional.com for the latest version.

Revision	Date	Description
6	04/2025	Revised format. Added atmospheric blurb to Maintenance.

Before You Begin

1. Before You Begin

What Is Included

- AmHaze Stadium
- Seetronic Powerkon IP65 power cable
- Quick Reference Guide

Claims

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

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.

Manual Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
<SET>	A button on the product's control panel
Settings	A product function or a menu option

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.



Any reference to power connections in this manual assumes the use of Seetronic IP rated cables.



The term “DMX” used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.

Connection of the control signal: DMX line

- The product has XLR sockets for DMX input and output.
- **Notice:** This control circuit is isolated and belongs to the Class 2 data port.

The control circuit has a cumulative leakage current of less than 3.5 mA.

Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.



This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained, certified technicians. Do not open the housing or attempt any repairs.

- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- **CAUTION:**
 - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
 - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power
- **ALWAYS:**
 - Use a safety cable when mounting this product overhead.
 - Connect this product to a grounded and protected circuit.
 - Drain the tank before transporting the product.
- **DO NOT:**
 - Open this product. It contains no user-serviceable parts.
 - Leave any flammable material within 100 cm of this product while operating or connected to power.
 - Connect this product to a dimmer or rheostat.
 - Operate this product if the housing, hoses, fluid tank, or cables appear damaged.
 - Operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it (adhere to standards for the published IP rating).
 - Use for space-heating purposes.
 - Touch the output nozzle on this product. It is very hot during operation, and it may remain hot for several hours after turning the product off.
 - Add anything to the fluid.
 - Drink the fluid.
 - Allow the fluid to contact skin or eyes.
- **ONLY** use the handles to carry this product.
- **ONLY** use Chauvet fluids.
- Depending on the amount of fog/haze generated, all fog/haze machines may set off smoke detectors.
- The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
- The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
- The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
- 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.
- In the event of a serious operating problem, stop using immediately.



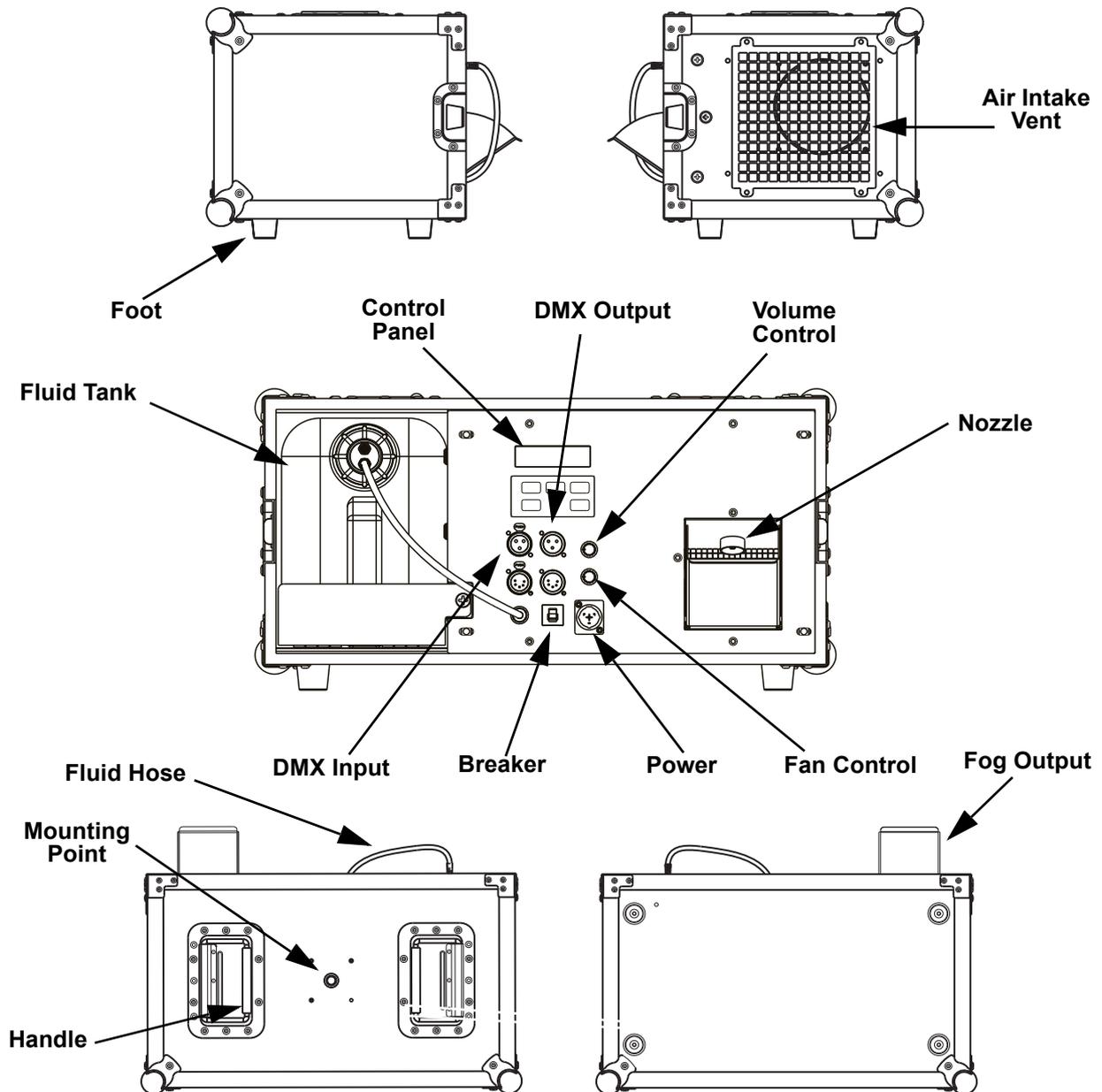
If the Chauvet product requires service, contact Chauvet Technical Support.

2. Introduction

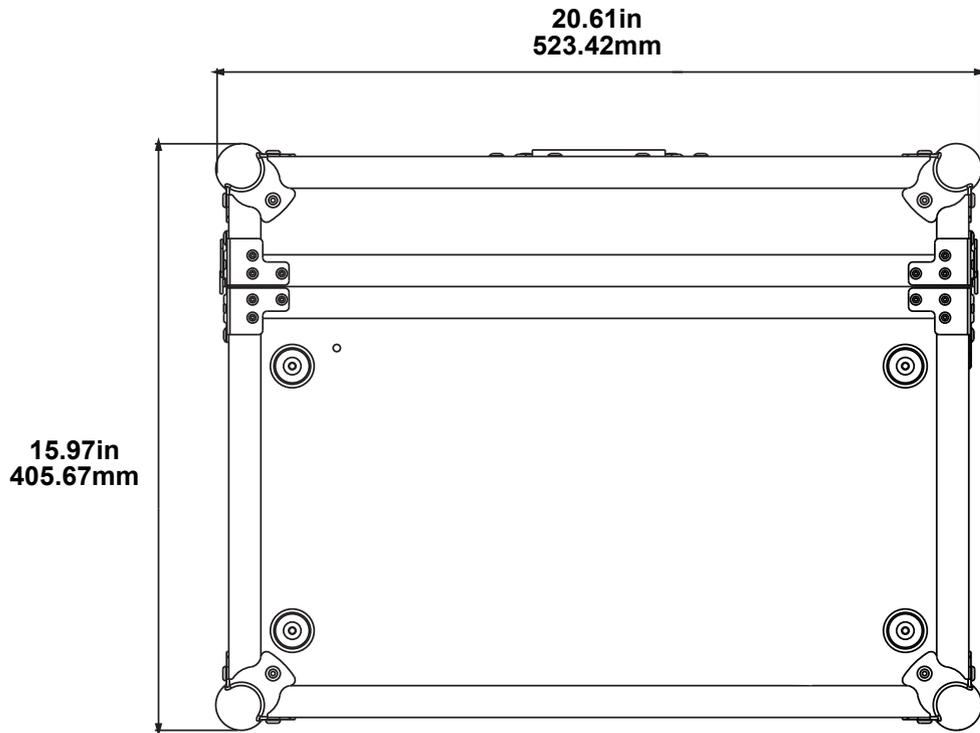
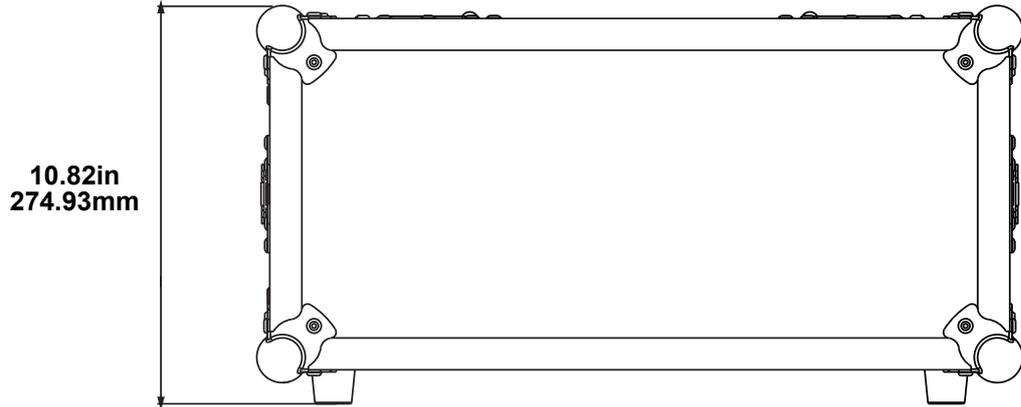
Features

- Professional water-based haze machine
- 30-sec heat up time nearly eliminates wait time for operation
- Adjustable vent louver for directional haze flow
- Tour-ready with a rugged road case and M12 threaded rigging insert
- Achieve continuous variable haze output and blower speed, adjusted via DMX or manual knobs

Product Overview



Product Dimensions



3. Setup

AC Power

The AmHaze Stadium has a fixed power supply that works 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.**
- **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.

AC Plug

The AmHaze Stadium comes with a power input cord terminated with a Seetronic Powerkon IP65 connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with the product has no plug, or if the user needs to change the plug, use the table below to wire the new plug.

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow or Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Resetting the Breaker

This product is equipped with a resettable circuit breaker. If the breaker trips, all sections of this product will lose power.

1. Remove the power cord from mains power.
2. Allow unit to cool for 15 minutes.
3. After 15 minutes, user may attempt to reset the breaker by pressing the button with their finger.
4. Plug the product's power cord into the power outlet and continue using as recommended.

DMX Linking

The AmHaze Stadium can link to a DMX controller using a 3-pin or 5-pin DMX connection. If using other DMX-compatible products with this product, user can control each individually with a single DMX controller.

DMX Personalities

The AmHaze Stadium uses a 3-pin or 5-pin DMX data connection for the 2-channel DMX personality.

- Refer to the [Operation](#) chapter to learn how to configure the AmHaze Stadium to work in these personalities.
- The [DMX Channel Assignments and Values](#) section provides detailed information regarding the DMX personalities.



For information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the Safety Notes. For our Chauvet Professional line of mounting clamps, go to <http://trusst.com/products/>.

Orientation

Always mount this product in a safe position, making sure there is adequate room for ventilation, configuration, and maintenance.

Rigging

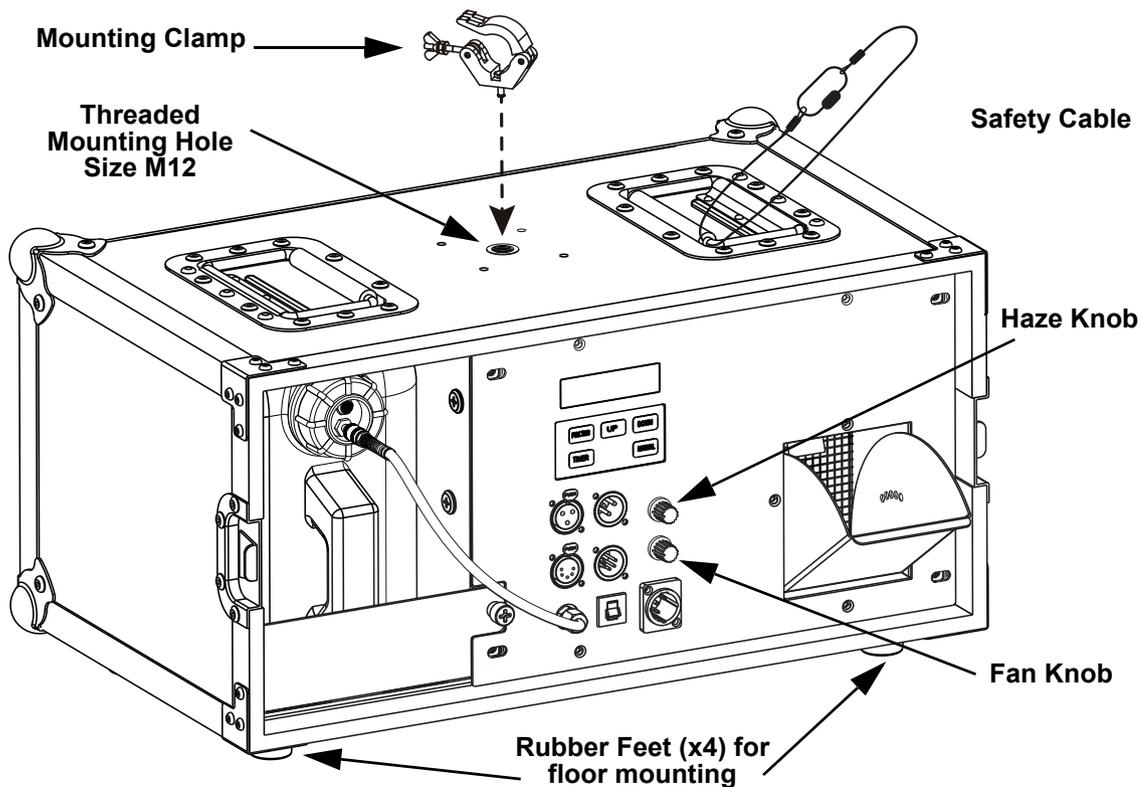
Chauvet recommends using the following general guidelines when mounting this product.

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure onto which the product is being mounted can support the product's weight. See the [Technical Specifications](#) for weight information.
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.

Procedure

The AmHaze Stadium includes 4 rubber feet for floor mounting and comes with a threaded mounting hole, size M12, at the top of the hazer. This mounting hole is appropriate for use with a mounting clamp. User must supply the mounting clamps. Make sure the clamps are capable of supporting the weight of this product. Use at least one mounting point per product. For the Chauvet Professional line of mounting clamps, go to <http://www.trusst.com/products>.

Mounting Diagram



Setup

Preparing for Operation

To prepare the AmHaze Stadium for operation:

1. Open the flight case.
2. Pull out the fluid tank and remove the cap.
3. Verify that the two plastic hoses attached to the inside of the cap are in place and in good condition.
4. Pour Chauvet (PHF) haze fluid inside the tank, and re-cap.
5. Reinsert the tank.
6. Make sure that the plastic hose that goes from the cap to the hazer is not bent.
7. Plug in power and wait approximately 30 seconds for warm-up to complete.



Only use Chauvet approved (PHF) haze fluid. Otherwise, user might not have satisfactory results. In addition, unapproved fluid can damage the AmHaze Stadium or cause harm to humans or animals. This may void the warranty.



When storing the product, ALWAYS be sure to store the fluid tank with the cap up, as seen on the storage diagram below before installing the front cover to avoid tube damage that may cause leakage.

4. Operation

Control Panel Operation

Button	Function
<FUNCTION>	Exits from the current menu or function
<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function
<TIMER>	Starts the timer controlled operation
<MANUAL>	Manual haze output
<VOLUME KNOB>	Controls the haze volume, 1-100%
<FAN KNOB>	Controls the fan speed, 1-100%

Control Options

Set the AmHaze Stadium starting address in the 001-512 DMX range. This enables control of up to 256 products in the 2-channel personality.

Programming

Refer to the Menu Map to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

- To go to the desired main level, press <FUNCTION> repeatedly until the option shows on the display. The first programming level for that option will show on the display.
- To select an option or value within the current programming level, press <UP> or <DOWN> until the option shows on the display. The selected value or the first option of the next programming level will show on the display.
- Press <FUNCTION> repeatedly to exit to the previous main level.

Menu Map

Refer to the AmHaze Stadium product page on www.chauvetprofessional.com for the latest menu map.

Main Level	Programming Levels	Description
Interval Set	10-300 Seconds	Sets the interval between haze output
Duration Set	10-255 Seconds	Sets the duration of the haze output
DMX	001-512	Selects the DMX starting address

Operation

DMX Configuration

Use DMX configurations to operate the product with a DMX controller.

Starting Address

Each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison. To set the starting address:

1. Go to **DMX Add.** main level.
2. Select the starting address (**001–512**).

DMX Channel Assignments and Values

DMX

Channel	Function	Value	Percent/Setting
1	Fan Speed	000 ⇔ 005	No function
		006 ⇔ 255	Fan speed (slow to fast)
2	Haze Volume	000 ⇔ 005	No function
		006 ⇔ 255	Haze volume 1-100%

Standalone Configuration

Use standalone configuration to operate the product without a DMX controller.

Interval

1. Go to **Interval Set** main level
2. Select the desired speed (**10-300**)

Duration

1. Go to the **Duration Set** main level
2. Select how long the haze flow will last (**10-255**)

Priming the Pump

The AmHaze Stadium features an automatic shut-off function. When the fluid sensor detects no fluid in the hose, the pump automatically shuts off. Sometimes an air bubble can be caught in the hose by the fluid sensor, triggering the auto shut-off. To prevent this, the pump must be primed every time the reservoir is refilled from empty and/or every time the hose runs dry.

To prime the pump and remove all air bubbles:

1. Ensure the filter tip of the hose is fully submerged in the fluid.
2. Run the AmHaze Stadium on low haze volume.
3. With two fingers, pinch the hose closed so nothing can pass through.



DO NOT use fingernails or anything which may cut the hose!

4. Keep the hose pinched closed for 20–30 seconds. The pump will make a noise that will slowly get louder.
5. After at least 20–30 seconds, release the hose. Fluid should pass quickly through it, preventing any bubbles from becoming trapped.



The pump must be primed every time the reservoir is refilled or the hose runs dry.

5. Maintenance

Fog Machine Maintenance

Proper maintenance of Chauvet atmospheric products will increase the reliability and lifespan of products. Maintenance should be completed every 30-90 days, depending on how frequently products are used.



- **When performing maintenance, use Chauvet Fog Cleaner Quart (FCQ) for U.S., or cleaning Fluid 250 (CF250) for EU products. Run the fluid through the system to reduce the accumulation of particulate matter in the heating element.**
- **DO NOT allow the atmospheric product to become clogged. Once a product is clogged, the cleaning procedure is unlikely to effectively clear the clog.**

The recommended cleaning procedure is as follows:

1. Unplug the product from power.
2. Remove the hose from the fluid tank/reservoir. Remove the FCQ/CF250 screw cap and place the hose in the Fog Cleaner bottle.
3. Connect the product to power and allow it to warm up (if not already warmed up).
4. Run the FCQ/CF250 through the product in a well-ventilated area for 60-90 seconds of continuous, full output. Some products require multiple cycles to achieve this.



DO NOT allow the product to run dry!

5. Move the hose from the FCQ/CF250 to a small bottle with distilled water (only use distilled water, not tap or any other water or liquid). Run distilled water through the product for at least 30 seconds to clear any remaining cleaning solution from the pump and heater.



- **Turn off the product when not in use or when storing.**
- **DO NOT leave the cleaning solution in the product.**
- **DO NOT operate the product without fluid at any time.**
- **DO NOT leave Chauvet atmospheric fluid in the product tank/reservoir for more than 10 days without use.**



Fog Cleaner Quart (FCQ) and Cleaning Fluid 250 (CF250) were specifically developed by Chauvet to clean Chauvet atmospheric products equipped with heaters. Use FCQ/CF250 regularly, no longer than 90 days between cleanings (30-60 days if the product is used more frequently), to prevent shortening the life of the product.

Storage

Before storing the Chauvet atmospheric product, run FCQ/CF250 through the system as described in the cleaning procedure above and do not refill the tank with atmospheric fluid before storing the product.



Test-run the Chauvet atmospheric products monthly to achieve the best performance.

Chauvet does not guarantee products will withstand storage for long durations, even if the cleaning process is followed. Please use caution and test regularly to ensure the product continues to function properly.

Technical Specifications

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
20.60 in (523.42 mm)	10.86 in (274.9 mm)	15.97 in (405.7 mm)	38.4 lb (17.4 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	1007 W	2,430 W
Operating Current	8.5 A	10.56 A
Breaker	15 A, 250 V	15 A, 250 V

Power I/O	U.S./Worldwide	UK/Europe
Power input connector	Seetronic Powerkon IP65	Seetronic Powerkon IP65
Power Cord plug	Edison (U.S.)	Local Plug

Operation/Capacity/Consumption

Heat-up Time	Tank Capacity	Fluid Consumption
30 sec	1.3 gal (4.92 l)	9.5 ml/min (0.15 gallons/hour)

Fan Speed	Maximum Run Time
157 CFM	>8.25 hours @ full volume

Thermal

Startup Temperature	Operating Temperature	Cooling System
-4 °F to 113 °F (-20 °C to 45 °C)	-22 °F to 113 °F (-30 °C to 45 °C)	Convection

DMX

I/O Connector	Channel Range
3-pin or 5-pin XLR	2

Ordering

Product Name	Item Code	UPC Number
AmHaze Stadium	AMHAZESTADIUM	781462217181
AmHaze Stadium 230V	230VAMHAZESTADIUM	781462217341



UL 499
CSA C22.2 No. 64-10
E115095



RoHS



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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.

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