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MOKA SFX MK-F13

MOKA SFX 2000W Dry Ice Fog Machine User Manual

Model: MK-F13

1. Introduction

This manual provides detailed instructions for the safe and effective operation, setup, and maintenance of your MOKA SFX 2000W Dry Ice Fog Machine. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury.



Figure 1: MOKA SFX 2000W Dry Ice Fog Machine (Model MK-F13)

2. Safety Information

Important Safety Precautions:

- Always ensure the machine is connected to a grounded power outlet. Incorrect grounding can lead to electrical hazards.
- The machine's plastic shell is designed to prevent rust and protect against high temperatures. However, always exercise caution when operating.
- Do not touch the heating elements or hot water directly. Use appropriate protective gear, such as heat-resistant gloves, when handling dry ice or operating the machine.
- Ensure adequate ventilation when operating the fog machine, especially in enclosed spaces.
- Keep the machine away from flammable materials.
- Do not overfill the water tank. Refer to the water level indicators.
- Low-water and temperature sensors are integrated for safety, automatically shutting off heaters if conditions are unsafe. Do not bypass these safety features.
- Keep out of reach of children and unauthorized personnel.

3. Setup Guide

Follow these steps to set up your dry ice fog machine:

1. **Place the Machine:** Position the fog machine on a stable, level surface in the desired location.
2. **Add Water:** Open the lid and add approximately 10 liters of water to the tank. Ensure the water level covers the float ball. You can add boiled water to speed up the heating process.
3. **Connect Power:** Plug the machine into a grounded 110V, 50Hz power outlet.
4. **Heat Up:** The red "HEATING" indicator light will illuminate. The machine will take approximately 15 minutes to heat the water to its optimal operating temperature (70°C-80°C).
5. **Ready for Dry Ice:** Once the water is heated, the "HEATING" light will turn off, and the green "READY" indicator light will illuminate.
6. **Install Smoke Nozzle:** Attach the smoke nozzle to the output port of the machine.
7. **Add Dry Ice:** Using appropriate protective gloves and a scoop, carefully add 2-3 kg of solid dry ice into the basket holder inside the machine. The basket holder can accommodate up to 10kg of dry ice.



Figure 2: Visual guide for machine setup and dry ice addition.



Figure 3: Adjustable gear and temperature sensor details.



Figure 4: High tightness sealer and stainless steel basket.

▶ **Watch video online**
dry ice machine

Video 1: Demonstration of dry ice machine setup and operation, including adding water and dry ice.

4. Operating Instructions

Once the machine is ready (green light on) and dry ice has been added:

- The machine will immediately begin producing thick, low-lying fog.
- Use the adjustable, multi-level control handle to manipulate the output and flow of the fog.
- The maximum continuous output duration is approximately 4-5 minutes per dry ice load.
- The maximum output coverage area is around 100 square meters.
- The fog effect typically lasts for 5-6 minutes from the start of output until it completely dissipates.



Figure 5: Example of the low-lying fog effect produced by the machine.



Figure 6: The dry ice fog machine creating a dramatic low-lying smoke effect at an event.

5. Maintenance

To ensure the longevity and optimal performance of your MOKA SFX Dry Ice Fog Machine, regular maintenance is recommended:

- **Cleaning:** After each use, drain any remaining water from the tank. Allow the machine to cool completely before cleaning. Wipe down the exterior with a damp cloth.
- **Basket Cleaning:** Remove and clean the stainless steel dry ice basket to prevent residue buildup.
- **Storage:** Store the machine in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the power cord, plugs, and all connections for any signs of wear or damage. Do not use the machine if any damage is found.

6. Troubleshooting

If you encounter issues with your dry ice fog machine, refer to the following common problems and solutions:

Problem	Possible Cause & Solution
Water is not heating up properly / Red light does not turn on.	**Insufficient Water:** Ensure at least 8L of water is added, covering the float ball. The machine requires around 10L for optimal operation. **Stuck Float Ball:** The floating ball might be stuck, preventing the sensor from detecting the water level. Gently check and free the float ball if necessary. **Wiring/Accessories Issue:** If water level is normal, there might be a problem with the wiring or accessories in the junction box. Contact customer support. **Incorrect Power Connection:** Ensure a grounded plug is used and the machine is properly connected to the power source.

Problem	Possible Cause & Solution
No smoke comes out after adding dry ice.	**Insufficient Water:** Confirm enough water (at least 8L) is added. **Water Not Heated:** Check if the water has reached the correct temperature (green "READY" light should be on). **Dry Ice Contact:** Ensure the dry ice is fully in contact with the hot water. **Control Lever Position:** Verify the operating lever is at the lowest level (if applicable for output).
Red light keeps turning on and off, green light doesn't turn on.	**Low Water Level:** This indicates the water level is too low. Add more water (around 10 liters) until the green light turns on and heating normalizes.

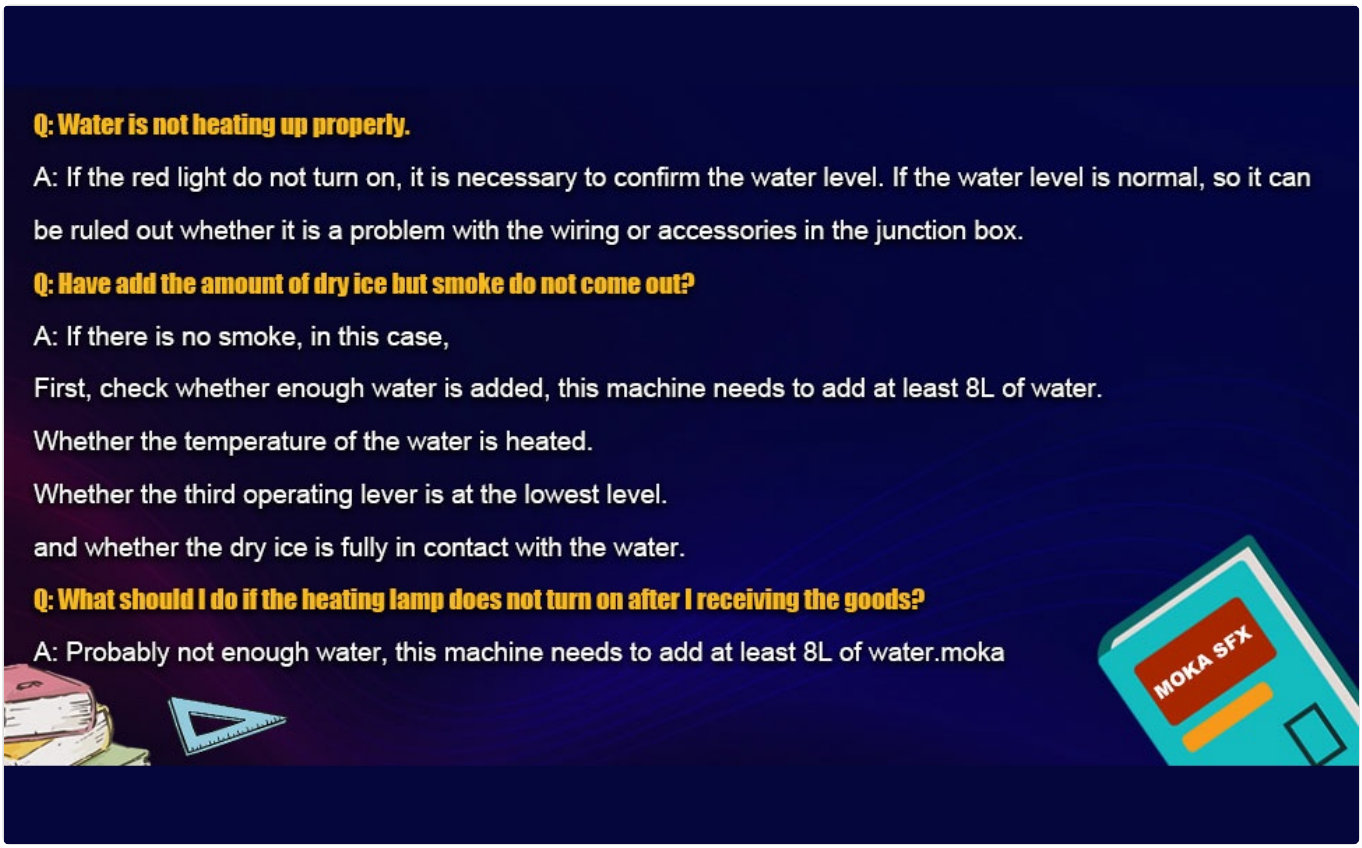

Figure 7: Common troubleshooting questions and answers.

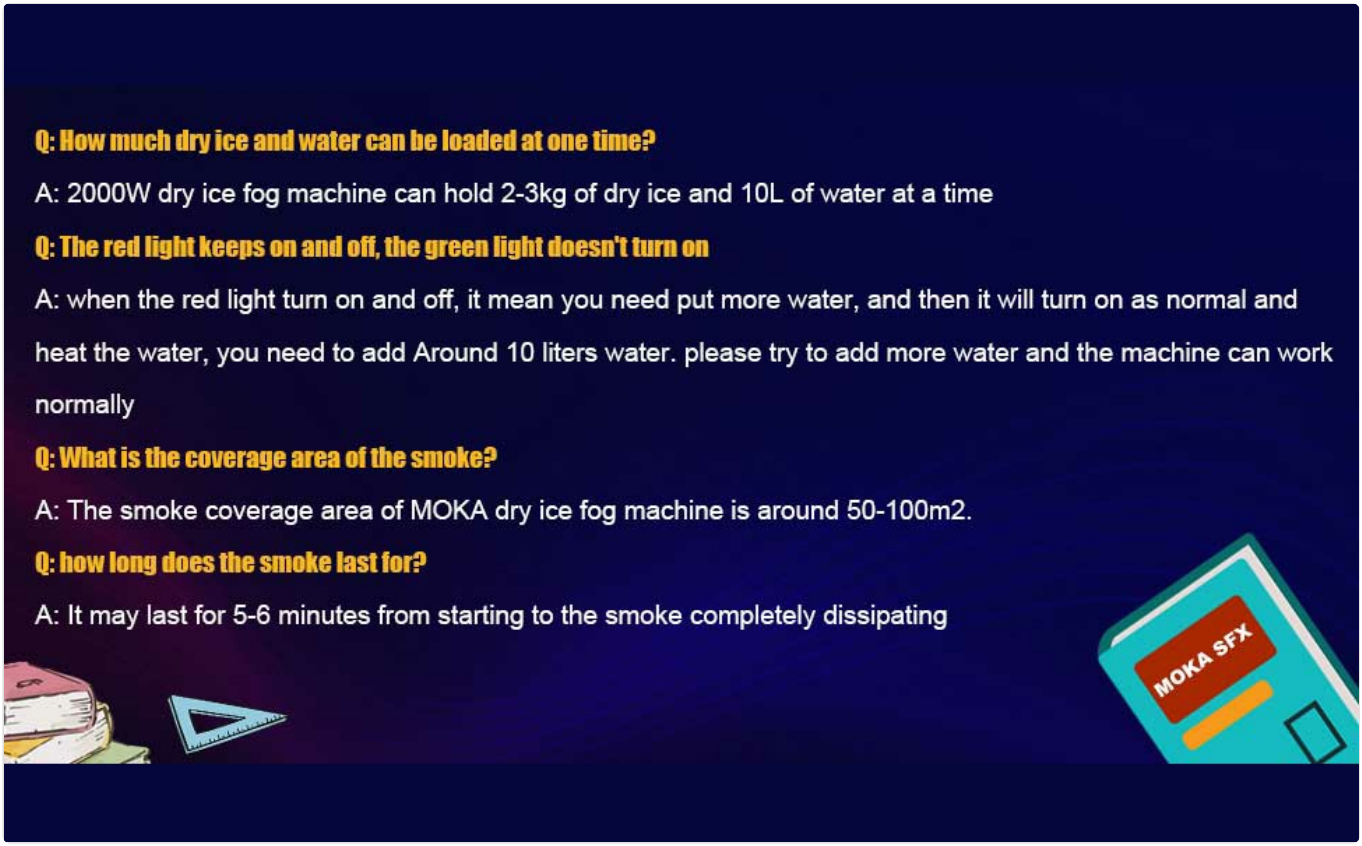

Figure 8: Further troubleshooting information regarding capacity and fog duration.

7. Specifications

Feature	Detail
Brand	MOKA SFX
Product Dimensions	16.5"D x 14.2"W x 15.8"H
Capacity (Water)	10 Liters
Wattage	2000 KW
Voltage	110 Volts
Refrigerant	R744
Manufacturer	MOKA SFX
UPC	717332657870
Material	Plastic
Item Weight	30.2 pounds
Item model number	MK-F13
Color Name	White
Heat-up Time	About 15 minutes
Electron Temperature Control	70°C~80°C
Max Continuous Output Duration	4-5 minutes

Feature	Detail
Max Output Coverage	Around 100



Figure 9: Product dimensions and key specifications.

8. Warranty and Support

Specific warranty details are not provided in this manual. For information regarding warranty coverage, technical support, or service inquiries, please contact MOKA SFX directly through their official website or the retailer from whom you purchased the product.

You can visit the MOKA SFX Store for more information: MOKA SFX Store

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