Safety Notes

Please read the following Safety Notes carefully before working with the product. The Notes include important safety information about installation, usage, and maintenance.

- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- Always disconnect the product from the power source before cleaning.
- Make sure the power cord is not crimped or damaged.
- Never disconnect the product from power cord by pulling or tugging on the cord.
- 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 CO^2 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 handle dry ice with bare hands. Thick gloves must be worn.
- Do not swallow dry ice. It may lead to severe internal injuries.
- Before breaking the dry ice, cover it with a piece of cloth or place the block in a cloth bag. Eye protection must be worn.
- Do not use in a confined space. Make sure the room is well ventilated before beginning usage.
- Dry ice should never be stored in a sealed container. It can lead to a pressure build-up and a risk of an explosion.

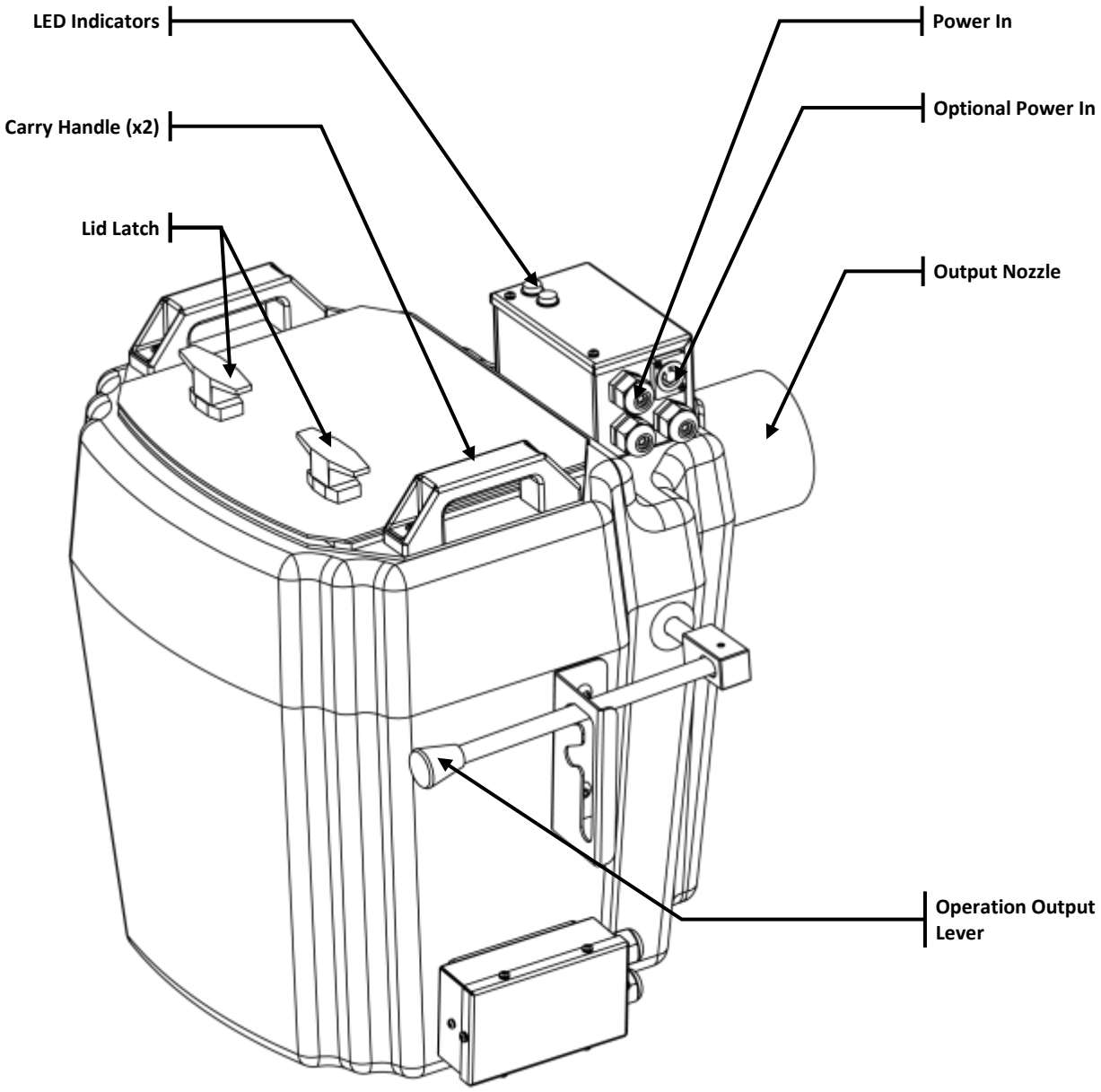
- For safety reasons, we do not recommend mounting the product in any capacity. Operate the product while it is on the ground only.
- During warm up and operation, water will be scolding hot. Do not place your hand into the water.
- Do not remove basket when the unit is plugged in or when heaters are hot.

- 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.
- Never carry the product from the power cord or any moving part
- 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. Please contact the nearest authorized technical assistance center.
- Do not continue to use the machine once visibility is reduced to 20" (50cm) or below.
- Do not direct output continuously directly at anything within close proximity of the discharge nozzle.
- The area in front of the product may become wet during operation. Make sure not to use near smooth floors as they may become slippery.

- Water temperature should be about 175° F for optimal operation.
- Keep this User Manual for future consultation. If you sell the product to another user, be sure that they also receive this document.

2. INTRODUCTION

Product Overview



3. SETUP

AC Power

The Nimbus™ has a fixed voltage power supply and can work with an input voltage of either 120 V, 60 Hz or 230 V, 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.

About Dry Ice and CO^2

Dry ice is a solid form of carbon dioxide. The term "dry ice" is used because of its ability to sublimate — the process of transforming from a solid directly to a gas without any liquid formation. Dry ice reaches a temperature of minus 189.5° F (-87.5° C).

When immersed in hot or boiling water, dry ice sublimates and agitates the water. The released cold CO^2 gas causes the water vapor to form water droplets in the air. This expansion of gas and moisture pushes its way out of the machine. Because the CO^2 is cold and heavy, the moisture sinks to the floor. The droplets in the air create the fog effect.

Dry Ice Warnings

- **DO NOT** cover or plug the output nozzle during operation. Compressing the dry ice will cause a chemical reaction that may lead to an explosion.
- Do not handle dry ice with bare hands. Thick gloves must be worn.
- Do not swallow dry ice. It will lead to severe internal injuries.
- Before breaking the dry ice, cover it with a piece of cloth or place the block in a cloth bag. Eye protection must be worn.
- Do not use in a confined space. Make sure the room is well ventilated before beginning usage.
- Dry ice should never be stored in a sealed container that can lead to a pressure build-up and a risk of an explosion.

4. OPERATION

Basic Instructions

- The top plate has two LED indicators – one red and one green. The red LED indicates that the heater is on, and the green LED indicates when the water is at its optimal operating temperature. The heater will not turn on unless there is enough water.
- As the dry ice sublimates, the green LED indicator will turn off indicating that the water temperature has dropped below its optimal operating temperature. This is normal and the Nimbus™ will continue to operate until all the dry ice has been used.
- During operation, the top plate becomes very hot. **DO NOT TOUCH!**
- There is an optional power input next to the main power input to increase the rate in which the water is heated. Use the included power cable and connect this secondary input to a separate circuit to heat the water in half the time. Do not plug both power cords into the same circuit as the breaker will trip.
- The dry ice must be stored inside the internal basket for optimal performance. Do not remove this basket as serious bodily injury may occur.

Operation

1. Place the machine on a level surface. Plug the power cord into the wall.
2. Raise the basket to its highest level with the operation lever.
3. Open the lid and fill with water until the red light comes on. The container can hold up to 4.5 gallons (17 liters).
4. Using protective gear, load the basket with up to 10 lbs of dry ice. The dry ice should be loaded at the last possible moment.
5. Close and latch the lid.
6. Grab the operating lever and slowly lower the handle to the middle notch for low output or all the way down for high output.
7. When output slows or stops, raise and refill the basket.

Due to water evaporation, you may need to refill the Nimbus™ with water to trigger the red light on. Once the red light comes on, repeat steps 4 through 7.