

# MAGNUM 1600

**Martin**  
USERS MANUAL

**Martin**

Martin Professional A/S, Nordlandsvej 114,  
DK-8240 Risskov, Denmark  
Phone: +45 86 21 44 11, fax: +45 86 21 50 01

## MANUAL

# The Martin Fogger MAGNUM 1600

### Introduction

The MAGNUM 1600 is a high performance smoke machine, which features:

- Extremely powerful heating element.
- High pressure pump with auto-reverse function.
- Electronic/mechanical overheat protection.
- Remote control with auto-timer.
- Variable fog output.
- Internal tank.

To ensure maximum benefit and safe operation, please read this instruction manual carefully before operating the MAGNUM 1600.

### How to install the MAGNUM 1600

The MAGNUM 1600 (standard version) includes the following items:

- MAGNUM 1600 smoke machine.
- Remote control with auto-timer.
- Fluid bottle.
- Adaptor for fluid bottle.
- Cleaning pin 2,0 mm.
- Instruction manual.

The remote control, the fluid bottle and the adaptor for the fluid bottle is placed under the lid on top of the MAGNUM 1600, and is accessed by unscrewing the two fingerscrews. Remove these parts from the machine. Connect the remote control to the 5-pole socket on the rear side of the MAGNUM 1600. Place a bottle of MARTIN fog fluid in the machine.

**IMPORTANT!** Use MARTIN fog fluid only. It is designed specially for MARTIN smoke machines. Other fluid may clog the heating element or cause the MAGNUM 1600 to spit hot liquid from the nozzle. MARTIN fog fluid is delivered in bottles, which exactly fit the machine.

Mount the adaptor on the fluid bottle and connect the tube to the fluid inlet. Check that the mains voltage is suitable for this machine and connect to the mains supply. By looking at the serialnumber label on the rear side of the MAGNUM 1600 you can see the operating voltage.

**CAUTION!** Due to the extremely hot temperature of the smoke vapour **DO NOT** install the MAGNUM 1600 closer than 2 feet (60 cm) from public contact.

## Operating the MAGNUM 1600

Turn on the machine.

The remote control now indicates machine status.

If connected properly the following will happen:

Red light on the remote control turns on, indicating that the machine is heating. Normal heating time from cold to ready, green light turns on, is 100-120 seconds. When working temperature is reached, the red light automatically turns off. As long as the green light is turned on, you are able to activate the machine.

By turning the fog output knob counter-clockwise you decrease the level of the fog emission. By turning it clockwise the fog emission is increased. The auto-timer is equipped with special features, making it possible to control both duration and cycle of the fog emission. Duration controls how long fog is created, and cycle, the time between each fog emission. By turning the duration knob clockwise, until you hear a click, the duration and cycle will be activated.

The duration is increased clockwise, and decreased counter-clockwise. If the knob is turned fully counterclockwise, to the OFF position, the duration and the cycle function is deactivated.

To increase the cycle time turn the knob clockwise, decrease it by turning it counter-clockwise.

## Important notes on operation.

To ensure a long life and a safe operation of the MAGNUM 1600 read these **IMPORTANT** remarks:

Keep the machine and the remote control away from moisty rooms and do not use it outside in rain.

Do not activate the pump without fluid in the bottle, as this may harm the pump system.

Always use clean fluid to avoid clogging of the heating element and destruction of the pump system.

Use MARTIN fog fluid only. It is non toxic, water based and specially designed for use in MARTIN smoke machines.

Though the pump system is equipped with an auto-reverse function, which leaves the heating element clean after every fog emission, the nozzle in time will be clogged. Use the cleaning pin only to clean the nozzle.

**REMEMBER!** When the machine is in operation, the heating element is **HOT**, and it stays hot, upto an hour after you have turned the machine off. Therefore, allow the machine to cool off before attempting maintenance.

For every 3 litres of fog fluid, use 1 litre of distilled water to clean the pump and the heating element system.

Do not disassemble the machine, leave that for your dealer.

Follow the precautions printed on the rear side of the machine.

## Trouble shooting

If you have trouble in operating the MAGNUM 1600 look in this table to get some help.

- No light in main switch: *Check mains plug.*
- No red light in remote control: *Is remote control properly connected?*
- No green light in remote control: *Turn off the machine for 5 seconds, then turn it on again.*
- When pressing the fog switch the pump rotates, but the machine does not bring out any fog: *Check that the adaptor for fog fluid reaches the bottom of the bottle. Or clean the nozzle with the cleaning pin.*
- Fluid runs out of the nozzle, when the machine is turned off: *Check that the fluid level is below the markings on the rear side of the machine.*

In any other case, contact your local dealer.

## Accessories

The following optional extras are available:

Mounting bracket (BR900) to place the machine under the ceiling or wherever you may wish.

A hose adaptor (HA900) to distribute the fog from the nozzle into a hose, which makes it possible to guide the fog without moving the machine.

5 different fragrances of fog fluid: Apple, Rose, Mint, Lemon, Neutral.

1 or 5 litre bottles.

## Technical specifications:

Voltage: 110V/60 Hz, 220-240V/50Hz

Power consumption: 1600 Watt

Fluid consumption: Approx. 0.2 litre per minute.

Warm up time: 100-200 seconds.

Overheat protection: Electronic/mechanical.

Dimensions (L x W x H): 500 x 223 x 265 mm

20" x 9" x 11"

Weight: 11 kgs (25lbs.) Including remote control.

Remote control: 5 meter (16 feet) cord.