Instruction manual

Please read carefully before operating

G150 Varitime
Smoke machine

Le Maitre

Electrical connections

Since the G150 smoke machine is internally fused at a rating of 7 amps please ensure that the mains plug is rated higher than this.

Wiring should be in accordance with the following colour coding:

Brown – Live
Green/Yellow – Earth
Blue – Neutral

It is imperative that this machine is **earthed** under all circumstances – failure to ensure correct earthing could result in serious injury.

Power requirements 230V – 5A 50/60Hz 1100W

Basic operation

The **G150** is supplied with a 21/2 litre bottle. This should only be filled with Le Maitre smoke fluid. The use of any other fluid could lead to damage of the heat exchanger assembly or toxic smoke output.

1   Fill the 21/2 litre bottle supplied with *Le Maitre* smoke fluid. Replace the fluid feed pipe and secure the bottle cap, making sure that the air vent in the bottle cap is clear from obstruction.

2   Connect the **Varitime** remote handset supplied with the machine, to the connector which is located inside the remote cable recess of the smoke machine.

3   Plug the machine into a suitable mains supply. Switch on the *mains on* switch located on the rear panel and the *mains on* will illuminate and indicate the presence of mains power, along with the *mains* indicator on the remote handset.

4   After a few minutes, the *ready* indicator on the remote handset will start to flash, indicating that the smoke machine is ready to operate but is still in heating mode, smoke is available at this point, but not full smoke output. After approximately five minutes the *ready* indicator on the remote handset will stop flashing and go to a steady red, this indicates the smoke machine has fully heated and is ready for use at full smoke output if required.

Basic operation *continued*

5. It will now be necessary to *prime* fluid into the system to expel any air that might be present. The *Varyflow* control on the *Varitime* remote handset should be set to *prime* position, and the *duration* control should be set to 1 second and the interval control set to 0 minutes.

6. Activating the smoke switch will effect a pulsing fluid flow which will *prime* the machine correctly. Once *primed* the controls on the *Varitime* remote handset can be set as desired.

   Note *in order to prime the smoke machine, the ready indicator must be a steady red (smoke machine fully heated)*

7. The smoke output time is set using the *duration* control. 1 to 30 seconds, and the time between successive smoke outputs is set using the *interval* control. 0 to 20 minutes. Virtual continual flow is set by *duration* at setting 30 and *interval* 0. Please note that the *smoke* switch must be turned off at least 4 seconds before smoke output can be reactivated.

8. A 0-10V smoke output control feature is available as standard on the G150. When this feature is to be used please ensure that the external 0-10V control voltage is connected to the 0-10V 3-pin socket, located on the rear panel of the smoke machine correctly. i.e. pin 1 is 0V, pin 2 is the positive voltage, pin 3 is not used. By varying the voltage to pin 2 between 3 to 10 volts this will change the smoke output proportional to the voltage on pin 2. i.e. 3 to 4 volts – low output, 10 volts – full smoke output.

Service note

Should there be a continuous double *flash* of either led on the *Varitime* remote handset, then the G150 should be returned for service.

Warning

Keep all persons and objects away from the smoke jet. Smoke close to the output nozzle is **very hot,** and can cause burns. The smoke will condense on objects up to 30cm and could burn exposed skin.

Never use this smoke machine in such a manner that, in the event of a failure, injury could be caused. (Hot fluid output, above head height etc.)

Continual running without fluid will damage the pump unit.

Keep a check on fluid levels, and make sure that the filter gauze on the fluid supply pipe is clean. If blocked, this will restrict fluid flow and could give rise to problems.

Never use alternative fluids. Toxicity free output is your responsibility.