



Technical Datasheet

Mammoth Dry Fogger Machine

Specifications:

Size: 107 x 77 x 152cm

Shipping size:
107 x 77 x 152cm

Equipment weight:
205kg

Equipment weight
empty: 205kg

Equipment weight full:
568kg

Shipping weight: 205kg

Voltage: 220-240V

Power connector:
32A

Peak amps drawn: 45

Decibels: xxdb

Water supply: N/A

Air supply: 40-60 psi dry
compressed air

HV colour: N/A

Additional requirements:
Liquid Nitrogen, water
supply

Suggested for set up:
2 people

Duration of effect:
Can be run
continuously; one dewer
gives 5 – 10 minutes
depending on output
setting

How to set up and operate

1. Set the unit in place and connect to your water supply and power supply. The water supply may be hard plumbed to the unit or a hose connection with the hose left 'on'. Be sure that the 'water fill' valve is open and the 'water drain' valve is closed. The water pressure should not exceed 35 psi
2. The rotary switch on the left side of the control unit turns the unit on (fig.2). 'Auto' allows the unit to be operated remotely or manually, 'Hand' disables the remote option so the unit can only be operated manually.
3. Switch the unit to your chosen method. The unit will begin to fill with water. The 'low water' light will extinguish (fig.3) when the water level has passed the minimum. The machine will automatically stop filling when the maximum level is reached. The water circulating pump and the temperature setting will begin, depending on the temperature requirement you set.
4. The unit will maintain its own operating temperature and will switch heater elements on and off as it requires to maintain the optimal operating temperature.
5. Connect the Liquid Nitrogen transfer hose to the inlet. The Liquid Nitrogen dewars must be capable of delivering 80 – 100 psi in order for the unit to function correctly.
6. The flow of Liquid Nitrogen is controlled via the dewar outlet valve.
7. Once the unit has reached its full capacity and correct temperature, the unit is ready for use, turn the Liquid Nitrogen on.
8. On cue turn the switch to your desired effect; either 'Fog constant' or 'Fog momentary'.
9. When the effect is complete, turn off the Liquid Nitrogen supply and disconnect the Liquid Nitrogen hose from the hose inlet.
10. Turn the power off and connect the 'water drain' outlet to a suitable waste water point.
11. Drain the tank.



Fig.1 Mammoth Dry Fogger unit



Fig.2 Power switch



Fig.3 Indicator lights



Fig.4 Fog settings



Fig.4 LN2 hose inlet

Hints and tips

- If the temperature is incorrect a 'snowing' effect may occur that will reduce the fog effect.
- Always fill from the 'liquid' port of the dewar tank.
- Be aware that when draining the water it will still be hot enough to cause scalding.
- Liquid Nitrogen can cause 'cold burns' if handled incorrectly; always wear suitable protective gloves, goggles and clothing to avoid injury.

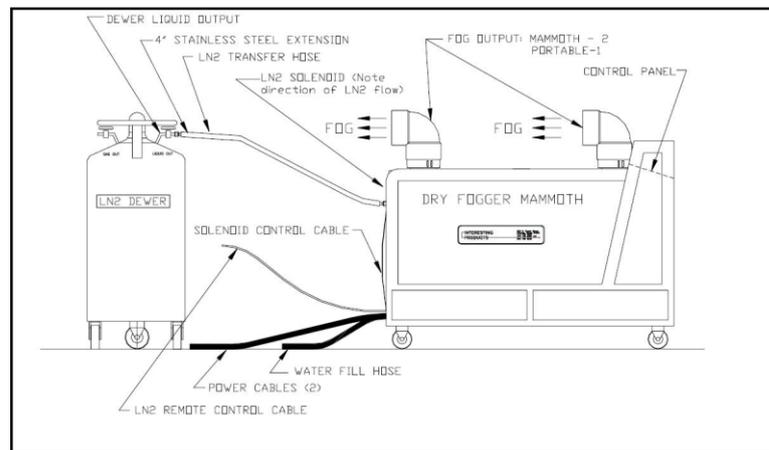


Fig.5 Mammoth Dry Fogger set-up diagram