

**TERRAFOG™**

The name Terrafog™ came from an amalgamation of the words “terror” with “terra” meaning ground and “tera” meaning 10 to the power of 12, i.e. very large. This system produces a visual effect using a fast dissipating chemical smoke, cooling is created using carbon dioxide (CO2) and the control is via compressed air, nitrogen or other inert gas.

**TF-3**

This is our entry level unit and our most popular. Built into its own flight case (1200 x 600 x 750mm) the TF-3 is designed to work with a modified Le Maitre G300 smoke machine which sits inside the unit. The DMX control, within the G300, is utilised to control the entire system so easy integration with standard lighting desks can be accomplished. The system runs on bottled carbon dioxide gas (at a maximum pressure of 50 Bar). The effect valves are pneumatic/spring return types and not the much cheaper solenoid versions so you are guaranteed that the effect will shut off in the event of power failure etc. and there is no chance of the valve sticking open (or closed!).

The TF-3 can be used with standard smoke fluids to give a large blast that takes some time to disappear or with low fog fluid for a shorter blast that disappears much quicker. A certain amount of experimentation is needed to ascertain the best fluid for each venue as there is a certain amount of “play-off” between size of effect v speed of smoke dispersion.

Product Code	TF-3
Media	Smoke Fluid, Carbon Dioxide, Compressed Air
Effect	Large blast of cold fog
Size of Effect	Horizontal blast 3.0 to 6.0m
Electrical requirements	230V 50Hz 13Amp
Cycle time	Instant (after warm-up period)
Carbon Dioxide Pressure	Maximum 50 Bar
Pneumatic Pressure	Maximum 7 Bar (regulator included)

### Unpacking

Care should be taken when unpacking the unit as damage can be caused to the flight case from knives etc.

Once unpacked you will have the following components:

- 1 x Flight case
- 1 x Internal equipment slide
- 1 x Pneumatic gas regulator
- 1 x Pneumatic gas hose (blue)
- 1 x Carbon Dioxide Hose (Stainless Steel)
- 1 x Set of four castors
- 1 x Power cable for G300 connection

### Setting up

Remove all components, including the equipment slide, turn the flight case up-side-down and install the castors provided.

Turn the flight case back up the correct way.

Re-install the internal equipment slide ensuring the output of the black horn is up against the white output grille.

Place the G300 smoke machine inside the unit so the output is up against the hole marked “smoke input”.

Connect the power output from the G300 to the power input on the equipment slide using the cable provided.

Connect the pneumatic hose (blue) to the “inert gas input” on the control valve using the quick-connector fitted. Run the hose through the cable entry port and connect the other end to the regulator (provided). Connect the regulator to a standard compressed nitrogen bottle and set the regulator to 7 bar output maximum.

Connect the stainless steel hose to the “carbon dioxide input” on the equipment slide using the quick-connectors supplied, run the hose through the cable entry port and connect the other end to a standard carbon dioxide cylinder – maximum 50 Bar.

Run all cables and hoses through the cable entry port so that the case lid can be closed prior to operation.

Turn on the G300 smoke machine (Ensuring it is in G300 mode and not haze mode). Run the DMX out through the cable entry port.

Turn the smoke output up to maximum and wait for the smoke machine to heat up.

Secure the locking castors on the unit so it will not travel when fired.

Turn on the pneumatic gas pressure via the regulator and ensure the pressure reads no more the 7 Bar. Turn on the carbon dioxide at the bottle.

When the G300 shows “ready” press the smoke button and everything else is automatic.

**WARNING**

Beware of the blast from the front of the machine as this is very powerful.  
Do not cover the air inlets on the top of the case.

Ensure the case lid is closed and locked before firing.

**IT IS VERY IMPORTANT THAT NOTHING IS PUT IN VOID WHERE THE SMOKE IS SHOT AS IT MAY DAMAGE THE EQUIPMENT AND MAY FIRE OUT OF THE MACHINE AT HIGH SPEED CAUSING INJURY.**

For further explanation, see following photos:



Internal equipment slide, showing “inert gas input” for the pneumatic effect valve, the “Carbon dioxide input” on quick-connect and the “Smoke input” hole through which the smoke machine blows the smoke. Above the “smoke input” can be seen the power connection for the G300 smoke machine.



This shows the connection of the (blue) pneumatic hose and the power cable from the G300 smoke machine.



This shows the connection of the (blue) pneumatics hose to the regulator and the regulator to the bottle of compressed inert gas such as nitrogen, carbon dioxide or compressed air.



This shows the power connection from the equipment slide to the G300 smoke machine using the power cable provided.



This shows the position of the smoke machine when inside the flight case. The output from the machine is up against the wooden slide so that the smoke is shot through the hole into the void on the other side of the equipment slide – which should be kept clear of all items as this is **VERY DANGEROUS** and could result in the item being shot out of the equipment causing injury.



This shows the cable entry port. The yellow cable and clamp should be clipped to an electrical earth. This will stop static build-up on the equipment.



This shows the output grille where the blast of cold fog is fired from. Do not remove this grille as this could be dangerous.



This shows the air input grilles. Air is sucked through here when the unit is firing. **DO NOT COVER** these inputs as the equipment will not work and may be damaged. Do not get close to the inputs or allow clothes to come close as these may be sucked into the unit when fired.