



Technical Datasheet

Vertical Dragons

Specifications:

Unit size: H160 x L80 x D76cm

Weight: 175kg (excl. gas cylinders)

Packaging type: Flightcase

Voltage: 240v

Power connector: 16A

Amps drawn: 0.5A

Noise: 70db at 5mtrs

Suggested for set up: 2

Additional information:

- Extremely heavy
- Requires two 19kg LPG cylinders and DMX controller
- Can also be used to creating a 'sprinkle flame' effect

Dragons at Cardiff Arms Park
vimeo.com/77577002



Sprinkle Flame option
vimeo.com/62773943



The Vertical Dragon is a large LPG flame projector suitable for outdoor use. It produces a flame up to 12 metres in height and is ideal for sporting events and outdoor concerts.

The instructions below are an overview only. Full instructions (available from MTFX) must be followed for safe installation and operation of this equipment.

How to set up and use a Vertical Dragon

1. Using at least two people and a trolley (or 4 people without a trolley), set up the unit in a suitable and safe area.
2. Open the top and bottom doors.
3. Connect the unit to a power supply.
4. Connect the unit to a DMX controller (not included as standard) and assign two addresses - one for 'pilot' and one for 'fire'.
5. Turn on the power and do a test run with no gas attached. The 'pilot' and 'main' LEDs (fig.3) should light up when activated by the DMX desk. A clicking noise and electrical buzz should be heard.
6. Attach either one or two LPG cylinders (fig.4) using the supplied hoses and house the cylinders in the bottom section of the Dragon.
7. Turn on the gas supply using the yellow valve (fig.5). Wait for the unit to pressurise.
8. Ensuring the area is safe use the DMX controller to activate the pilot flame.
9. Fire the Dragon using the DMX controller.
10. Up to 8 units can be daisy-chained together if required for a larger effect. Flames can also be made to sparkle using additives if required - contact MTFX for further information.

Safety

- Only use in an open air environment
- Ensure there is a 5 metre exclusion zone around each unit.
- The Dragons make a fairly loud noise and make the surrounding air hot. It may be necessary to provide an advance warning to the nearest spectators.
- Ensure suitable fire-fighting equipment is available at all times, including CO2 extinguishers and fire blankets.



Fig 1. Vertical Dragon



Fig 2. Vertical Dragons



Fig 3. LED indicators

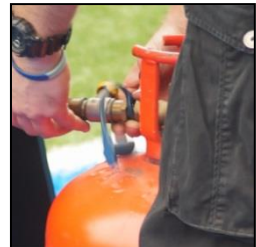


Fig 4. Connecting LPG



Fig 5. Gas valve



Fig 6. The effect