

LUMINOUS LIQUID FLAME SYSTEM

LUMINOUS PUMP

KEY FEATURES

- ▶ Heavy duty, aluminium construction
- ▶ Pressure on demand and automatically depressurises when not armed
- ▶ Single rugged cable with IP67 connectors supplying power and data to flames
- ▶ Unlimited fuel supply depending on size of fuel tank
- ▶ High quality UK and EU sourced components
- ▶ CE certified

IMAGE
COMING
SOON

DESCRIPTION

The Luminous Pump is a heavy-duty fuel station from the Luminous Liquid Flame System that supplies a range of fuels to multiple flames. The Luminous Pump uses a high capacity pump and electric motor to create pressure on demand, eliminating the need for nitrogen to pressurise the fuel. This modular solution allows the user to select any Luminous Flame that best suits their application and couple it with any fuel station, or run different flames from the same fuel station.

The Luminous Pump is housed in a rugged metal enclosure designed to standard trucking dimensions for touring with convenient lifting and stacking features. From 100L to 10,000L, there is no limit to the volume of the fuel tank that can be easily connected to the Luminous Pump. The system will rapidly spool up to pressure when firing and automatically de-pressurises when disarmed. Sensors protect the system from various scenarios such as low fuel, over pressure and damaged hoses that could free flow fuel to the environment if unprotected. Each flame is coupled with the Luminous Pump via a fuel hose with locking, flush faced quick release couplings that are not accidentally disconnected and don't have recesses that can be contaminated with dirt. The flame is automatically identified by the Luminous Pump via RDM and provides the user with warning lights when armed and enabled.

The Luminous Pump can control up to five flames via DMX 512 or 24VDC external input such as a wireless device. For DMX control a safety enable channel and five fire channels can be programmed from the fuel station. With a control expansion pack, additional Arena Flames can be connected to the Luminous Pump, up to a maximum of 20. A Key-safe arm device with E-Stop and optional hold-to-run device is required to activate the system to maximise the safe operation.

SPECIFICATION

Mass	160kg
Dimensions	600 x 800 x 1200
Max pressure	20 bar / 290 p.s.i.
Fuel type	IPA or Isopar
Filtration	Fine particle filter
Voltage	90 - 250 VAC
Control	DMX 512 or 24VDC input
Safety	Key-safe hold to run Tilt sensor E-Stop Fuel level sensor Over pressure regulator Manual shut off valves

IMAGE
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Disclaimer: These specifications are general guidelines for your particular project. All product specifications and data are subject to change.