



Alfresco Gas Flares

TECHNICAL DATA for ORPHEUS Large Electronic Pilot Gas Flare – Model DGF/EP02 – DGF/EP02/N

Gas Supply

- LP Gas, Natural Gas or Butane
- 60 mega joules per hour
- 2.75 KPA supply pressure for LP - 1.0 KPA for Natural
- ½ inch male 45 SAE flare fitting

Dimensions

- Height: 605mm
- Width: 255mm

Electrical

- 24 volt AC 1.0 AMP
- Requires the use of a step down transformer
- One transformer may be used to run multiple flares but it must be sized correctly

Example: 4 flares would require a 24 volt AC 4.0 AMP transformer
6 flares would require a 24 volt AC 6.0 AMP transformer

One transformer may be placed and switched on and off with a timer in a suitable location inside and 24 volt wiring may be run under ground to flares. The voltage drop across the cable you are using, determines the length of the run. If 5mm squared, 2 core insulated cable is used you may run up to 60 or 70 meters.

Alternatively

Mains power supply may be run underground to each flare and a power outlet fitted in the box at the base with a small 1.0 AMP transformer, fitted at each flare.

Maintenance

Alfresco Gas Flares are manufactured using non-corrosive components and are available as off the shelf component spare parts **i.e.:**

- Pilot burner, ignition probe and sense probes including wiring.

- Shut off valves, available as complete fitting, easy replacement.
- Electronic ignition pack, simply unplug faulty unit and replace.

Flare Head

- Full stainless steel construction
- Wind and rain guards
- Bronze burners
- Electronic ignition and flame supervision system
- Automatic re-ignition on flame loss
- Stainless steel ignitor and flame sensor probes

Base

- Stainless steel waterproofing housing
- Removable access panel for easy servicing of electronic components and safety shut off valves.
- Wind and rain deflectors, stainless steel screw fixed to base to allow easy removal for cleaning and servicing of burner and flame probes.

Flame Controller

- RAM 5EM7, microprocessor based, direct spark ignition system
- Operates on safe low 24 volt system
- Microprocessor continually and safely monitors the control and operation of the flare
- Features LED diagnostics
- All wiring connections to unit are push on connector, allowing quick and easy replacement of faulty control unit.
- Replacement units are easily available as spare parts

NOTE – DGF/EP02 requires 2nd Tier Australian Gas Association testing and approval by AGA local representative. Testing and approval can be completed when appliance installation is complete or by us before delivery.

This will incur an added cost in Australia only

