

**Alfresco Decorative Gas Flare**  
**A.G.A Approval No: 6033 for outdoor use only**  
**DESIGN REGISTERED**

**INSTALLATION INSTRUCTIONS FOR FIXED DECORATIVE GAS FLARES**

**Models: DGF01 / DGF02 / DGF03 Mounting Posts and Wall Brackets – Manual & Piezo Ignition**

**TO BE INSTALLED ONLY BY AUTHORISED PERSONS**

**Congratulations** on your purchase of a great product, Alfresco Gas Flares .Manufactured from long lasting non-corrosive materials to give years of trouble free service.

Alfresco Gas Flares are the economical, natural and versatile way to create lazy tropical nights for any occasion.

**Please take the time to read and follow these instructions carefully.**

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MANUFACTURED FOR USE ON LPG, NATURAL GAS AND BUTANE

GAS TYPE	INLET PRESSURE	Injector Orifice	
		DRILL NO	SIZE
LPG	2.75KPA	65	0.90mm
NG	1.00KPA	53	1.50mm

**NOMINAL GAS CONSUMPTION 11 mj / HR**

Installation of decorative gas flares must meet the requirements of the relevant gas authority and AGA installation codes.

An approved isolation valve must be fitted to the gas inlet.

A natural gas appliance regulator [ **natural gas models only** ] must be fitted to the gas inlet, downstream of the appliance isolating valve.

**Gas Supply:**

- ◆ The type of gas and supply pressure in KPA for which the light was initially factory adjusted is nominated on the data plate at the base of the flare.
- ◆ If the decorative gas flares are to be added to an existing installation, the installer should ensure the existing pipe size is adequate to supply the new lights.

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**Installation:**

- ◆ Decorative gas flares may be mounted on posts or wall brackets. The post or wall bracket must be of sufficient strength and durability and incorporate, the gas supply pipe work and isolation valve as an integral part of the assembly, appliance regulator must be included in the assembly for natural gas models.

**Post and Wall Bracket selection:**

Posts or wall brackets should be manufactured from round or square mild steel, galvanised or stainless steel tube 50mm in diameter is recommended, to allow gas supply pipe to pass down the centre.

- ◆ Recommended Post height: 1500mm above ground and 300mm in concrete

Commonly available fence post caps can be screw fixed to the top of the post with female BSP to copper flare fitting mounted in cap for connection of isolation valve [ Mini ball valve ] and flare head. Brass post caps are available to suit 50mm diameter and 1.6mm wall thickness in Stainless Steel & aluminium from Alfresco

Wall brackets may use the same mounting procedure.

The supply pipe work may pass out of the mounting post underground for LP gas and alternatively may pass out of the post above ground for natural gas models, to allow for mounting of natural gas appliance regulator and isolation valve at base of post.

**See Diagram 1**

**Clearances to combustible materials:**

- ◆ Clearances to combustible materials should always be maintained. The operator should be informed to trim tree branches, palm fronds that may encroach into the prohibited zones.

**Prohibited zones for combustible materials:**

- ◆ Vertical – **Do Not place under any combustible material.**
- ◆ Horizontal – **1500mm**

**Soot deposits** – due to the bright yellow flame, small amounts of soot are given off, this may build up over time, if flares are placed too close to some surfaces.

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**Commissioning:**

- ◆ Before attempting to light appliance, the spark gap from the ignitor probe should be checked and adjusted for the correct spark. The correct gap is 3 – 5 mm. Press piezo button a few times to ensure correct spark. [ Piezo Models Only ]
- ◆ Ignite flare and ensure correct operation, check flame probe position and operation of flame safeguard system.
- ◆ **Installer to ensure correct operation of flare before leaving the site.**

**Flame Probe adjustment:**

In certain conditions, it may be necessary to adjust the flame probe, if the flame supervision system is shutting off gas supply intermitantly.

- ◆ Ensure flare has cooled sufficiently to handle.
- ◆ Loosen back nuts on flame probe, move probe up or down and tighten nuts.
- ◆ Tip of probe needs to be heated by the gas flame to ensure continuous operation.

**Operating Instructions: - Piezo Ignition**

- ◆ Turn on gas supply
- ◆ Press and hold centre button to allow gas into burner
- ◆ Press ignitor button repeatedly until flame ignites
- ◆ Release centre button 30 seconds after flame lights
- ◆ If flame does not light wait 60 seconds and repeat procedure.

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**Operating Instructions – Manual Ignition**

- ◆ Turn on gas supply
- ◆ Press and hold centre button to allow gas into burner.
- ◆ Place naked flame or sparker into hole near top of flare.
- ◆ Release centre button 30 seconds after flame lights
- ◆ If flame does not light wait 60 seconds and repeat procedure.

**Periodical maintenance:**

- ◆ Lifestyle Decorative Gas Flares are manufactured using low maintenance components, however periodical removal of soot build up on flame probe may be required, using a soft brush or rag, lightly dust soot deposits from flame probe.
- ◆ During extended periods of non-use, leaves and other foreign matter may build up inside the flare, please inspect and remove any built up debris before operation.
- ◆ **Installer to notify user of this requirement.**

**Servicing Instructions:**

- ◆ Servicing to be carried out by licensed person. Before servicing ensure isolation valve is turned off. Turn outer cone to unlock bayonett fitting at base, it may then be lifted off base.
- ◆ Loosen and remove back nuts on flame probe to remove thermocouple.
- ◆ Burner may then be unscrewed from injector nipple.
- ◆ Clean and check injector and replace parts as required.

**EXTERIOR OF PRODUCT SHOULD BE CLEANED TO KEEP THEM  
LOOKING THEIR VERY BEST**