

# SOLAR Spark®

V E N T F L A R E S



## Economically eliminate foul odors associated with flammable gas emissions.

**Solar Spark® Vent Flares are simple, reliable, solar-ignited flares that mount directly on all types of landfill vents.**

The solar panel provides continuous ignition with no need for external power, even in cloudy conditions.

The patented Dual Expansion Carbureting Flare Head is designed for effective combustion of landfill gas at a wide range of ambient pressures from 2-140 SCFM. The unique flare head design also allows for operation in extremely windy conditions.

The ruggedly constructed Spark-Pilot™ provides a continuous ignition spark even in rainy conditions.

**Model CF-5 (6V)** Capacity: 2-90 SCFM

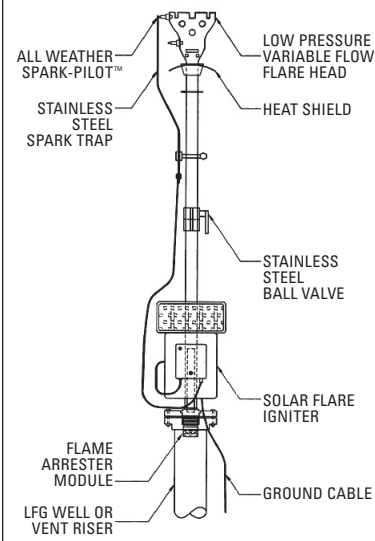
**Model CF-10 (12V)** Capacity: 5-140 SCFM

- **Can be custom mounted to fit any situation.**
- **Easy to install.**
- **Patented flarehead operates with variable gas quality and flow rate even in high winds.**
- **Solar panel with battery delivers continuous spark ignition in cloudy or dark conditions.**
- **Patented Spark-Pilot™ provides reliable reignition in rainy weather.**
- **Economical Solar Spark® Vent Flares offer years of dependable operation.**

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## V E N T F L A R E S

### LANDFILL GAS VENT FLARE TYPICAL INSTALLATION



### Accessories

- Guy wire kit
- Cold weather insulation kit
- Data logger

### Alternative Mounting Options

The Solar Spark® Vent Flare can be custom mounted to fit any situation. Contact us for details.

### Manufacturer Direct Pricing

Complete package includes solar ignition system, Spark-Pilot™, flare head, flame arrester, piping, and stainless steel ball valve. All parts carry a one year warranty. Flange adapters, insulation kits, and other custom components are available to meet your needs.

### System Components



### Brief Specifications

- Landfill gas flow rate: 2-90 SCFM (Model CF-5)  
5-140 SCFM (Model CF-10)
- Design methane content: 30% - 100%
- All-weather variable flow flarehead; double expansion carburetion with minimum 8" ID flaretip
- Inline stainless steel wire gauze flame arrester
- Stainless steel ball valve
- Schedule 40 carbon steel gas piping
- 6 volt (or optional 12 volt) solar trickle charge plate
- 5W panel - 10V peak W 8V @ 300 MA charging power (standard 6 volt system)
- Fully charged system functions for at least 20 days in darkness
- Spark interval 1.5 seconds
- Galvanized steel ground stake
- Optional insulation capability for sub-freezing conditions
- USEPA approved for use at WWW (NSPS/EG) landfills with addition of optional flame pilot/thermocouple/data logger kit

For technical services or to locate your nearest Solar Spark® dealer:



Call: **1-800-800-7671** • Email: **Sales@LSCenv.com**

Visit LSC online at: **www.LSCenv.com**

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