

BIOGAS CANDLESTICK FLARE

FEATURES:

- Meets CFR 40, §60.18 Design Criteria
- Insulated Stainless Steel Wind Shield
- Stainless Steel Burner Components
- Air & Fuel Gas Fully Adjustable From Ground Level
- Low Supply Pressure Requirement

BENEFITS:

- Complies With United States EPA Requirements For Non-Assisted Flares
- Excellent Flame Stability
- Long Burner Life - Resistant To Heat & Corrosive Gases
- No Ladders Or Bucket Trucks Needed For Adjustment
- Reduces Blower HP Requirements



APPLICATIONS

- PEI's Candlestick Flare is the ideal solution for simple, low-cost installations where EPA's 40 CFR, §60.18 Design is the basis for regulatory compliance
- The flare is designed to satisfy the minimum requirements of simple LFG combustion, and with a long list of options, is suited for integration into complex combustion and control systems
- Fully integrated blower/flare skids are available in many different combinations

STANDARD EQUIPMENT:

- Thermocouple flame recognition for maximum reliability
- Adjustable gas orifice and air dampers
- All stainless steel burner construction
- Stainless steel propane pilot assembly
- UBC 100 MPH wind design
- Heavy-duty 4 leg "cross" mounting system

OPTIONAL EQUIPMENT:

- Fully automatic orifice control (PLC controlled)
- Redundant thermocouples
- Standing LFG pilot
- Other fuels and waste gases
- Variable flow and pressure control systems
- Increased turndown, greater than 10:1
- Automatic flow rate control for balancing energy delivery systems

Phone: (417) 256-2002
sales@perennialenergy.com



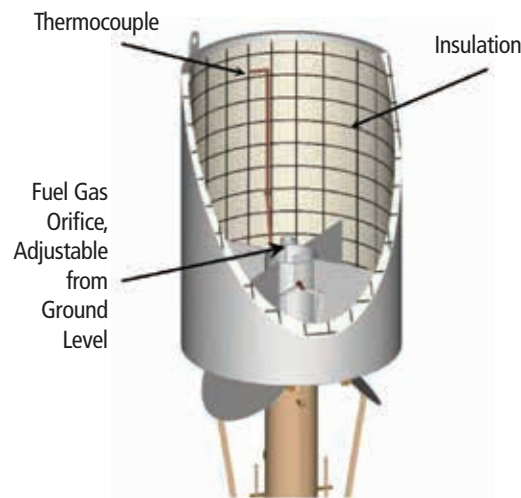
PERENNIAL ENERGY CANDLESTICK FLARE RATINGS

FLARE SIZE (inches)	MIN FLOW (scfm)	CFR 40 §60.18 RATING (scfm)	NOMINAL STACK DIAMETER (inches)	FLARE HEIGHT (feet)	SHROUD DIAMETER (inches)
2	10	83	2	12.0	12.0
3	20	200	3	15.0	16.0
4	30	350	4	16.0	24.0
6	60	722	6	19.0	26.0
8	120	1360	8	24.0	36.0
10	200	2130	10	29.0	46.0
12	280	3010	12	36.0	54.0
14	340	3445	14	40.0	60.0

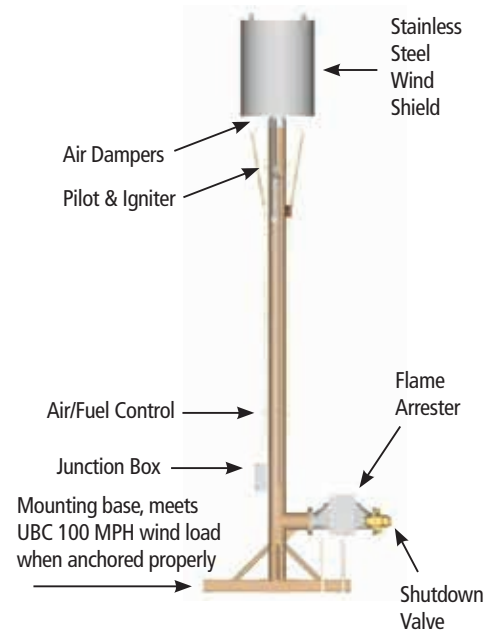
The above ratings are for standard candlestick flares and flare stations. Various burner options are available to meet your specific site and permit requirements.



THE BURNER



THE FLARE



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