



COAL MINE METHANE CANDLESTICK FLARE

THE PRODUCT

Designed Expressly For Coal Mine Methane Applications

FEATURES:

- Meets California Air Resource Board (CARB) and USEPA CFR 40, §60.18 Criteria
- Insulated Stainless Steel Wind Shield
- Stainless Steel Burner Components
- Air & CMM Gas Controls 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
- Fixed or Portable Installation Packages

APPLICATIONS

PEI's Coal Mine Methane Candlestick Flare is the ideal solution for simple, low cost installations where CARB and/or USEPA's 40 CFR, §60.18 are the basis for regulatory compliance.

The Flare is designed to satisfy the requirements for compliant Coal Mine combustion, and with a long list of options, is suited for integration into complex utilization, 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
- ASCE 7-10 115 MPH Wind Design
- Heavy-Duty 4 Leg "Cross" Mounting System

OPTIONAL EQUIPMENT

- Fully Automatic Orifice Control (PLC Controlled)
- Redundant Thermocouples
- Standing Coal Mine Pilot
- Other Fuels and Waste Gases
- Variable Flow and Pressure Control Systems
- UL Listed Flame Safeguard Controls
- Automatic Flow Rate Control for Balancing Energy Delivery Systems

Specifications & Options Subject To Change Without Notice

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

GHG and CC Compliance

All PEI Coal Mine Methane Flares can be packaged with PEI Gas Extraction, Gas Compression, and/or Gas Conditioning Systems. These systems normally incorporate instrumentation certified for monitoring, display, and data logging of methane, carbon dioxide and oxygen concentrations required for CARB and USEPA compliance with Greenhouse Gas (GHG) and Carbon Credit (CC) project auditing requirements.



Coal Mine Methane Flare Sizes

PEI Coal Mine Candlestick Flares are available in sizes to accommodate your specific project requirements. "Standard" sizes with a minimum of 10:1 turndown ratings are:

20 to 200 SCFM

35 to 350 SCFM

65 to 650 SCFM

125 to 1250 SCFM

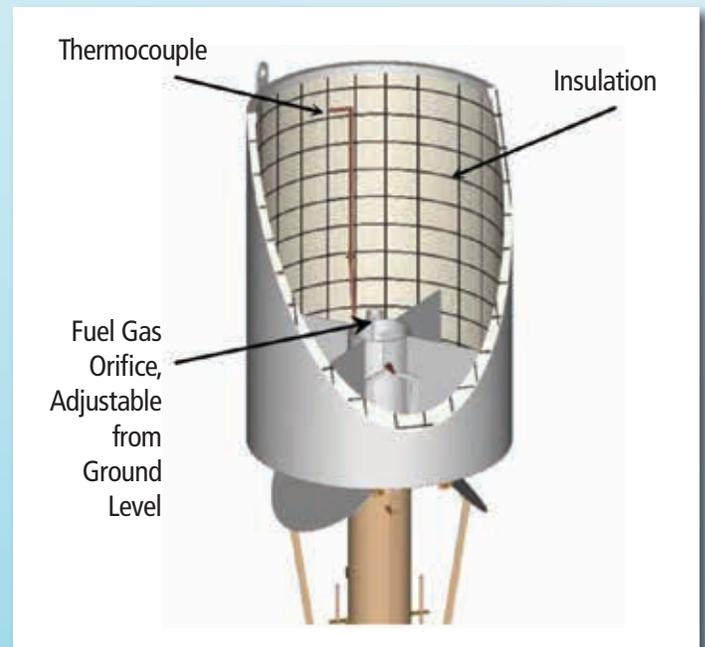
200 to 2000 SCFM

300 to 3000 SCFM

500 to 5000 SCFM

650 to 6500 SCFM

THE BURNER



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