



CMM / CBM Enclosed Flare

THE PRODUCT

Designed expressly for Coal Mine & Coal Bed Methane applications

FEATURES:

- LOW NO_x and CO
- EXTERNALLY ADJUSTABLE INTERNAL PRIMARY AIR DAMPERS (select burners only)
- VERY LOW NOISE, ZERO RUMBLE
- LOW MANIFOLD PRESSURE REQUIREMENTS
- VARIOUS BURNER DESIGNS FOR DIFFERING GAS HEAT ENERGY DENSITIES
- WINDLOAD, OVERTURN, & SEISMIC RESTRAINT PER ASCE 7-10 & IBC 2012

BENEFITS:

- MEETS NATIONWIDE EMISSION STANDARDS
- EASY TO TUNE DURING SOURCE TESTING, WHILE FLARE IS IN OPERATION
- IDEAL FOR NOISE SENSITIVE AREAS
- REDUCES BLOWER HP REQUIREMENTS
- LONG BURNER LIFE
- NO VISIBLE FLAME
- VERIFIABLE EMISSIONS



Applications

PEI's CMM/CBM Enclosed Flare is the ideal solution for installations where CARB and/or USEPA's 40 CFR, § 60.18 are the basis for regulatory compliance, and emissions verification testing is required.

The flare is designed to satisfy the requirements for compliant CMM / CBM 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

- Stainless Steel Burners furnished with 2 year warranty)
- High Temperature Louvers
- U.L. Listed Flame Safeguard Control Panel
- 4" Ceramic Fiber Blanket Insulation (250°F Skin Temperature)
- Stainless Steel Weather & Heat Protection at top of flare
- 1200°F Hi-Temp Paint System
- Compliant with USEPA, CARB, & MSHA requirements

Optional Equipment

- Ladder & Platform
- Heat Shield
- Condensate Destruction System
- Purge Blower
- Auxiliary Fuel System
- Flame Arrester
- Safety Shutdown Valve
- Other Fuels & Waste Gases
- Custom Ratings, Low Turndowns

GHG and CC Compliance

All PEI CMM / CBM 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.

CMM / CBM Flare Sizes

PEI CMM /CBM Enclosed flares are available in sizes to accommodate your specific project requirements. "Standard" sizes with a minimum of 6:1 turndown ratings are:

667,000 Btu/hr to 4 MMBtu/hr

1.0 MMBtu/hr to 6 MMBtu/hr

1.6 MMBtu/hr to 10 MMBtu/hr

2.34 MMBtu/hr to 14 MMBtu/hr

3.0 MMBtu/hr to 18 MMBtu/hr

3.67 MMBtu/hr to 22 MMBtu/hr

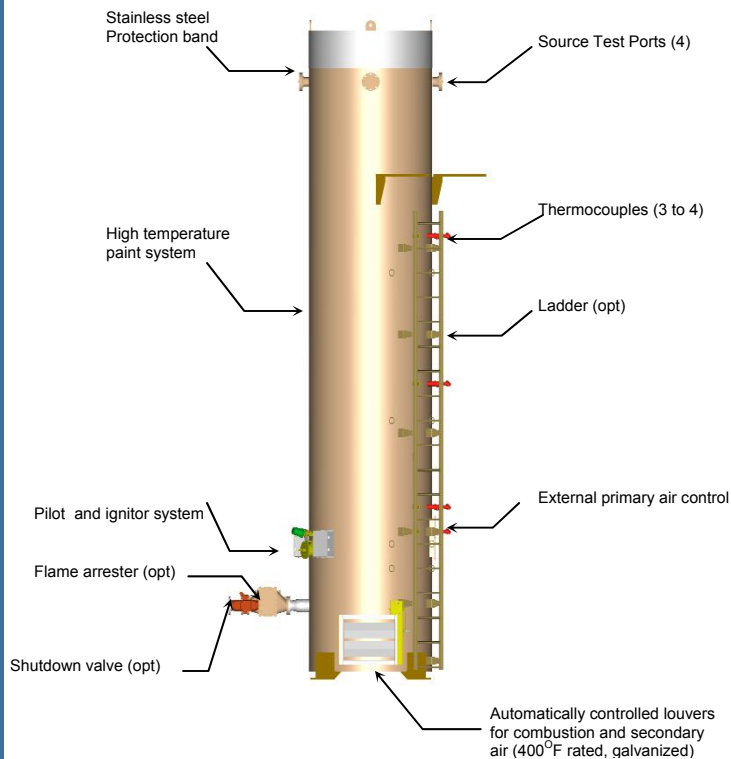
5.0 MMBtu/hr to 30 MMBtu/hr

6.0 MMBtu/hr to 36 MMBtu/hr

7.0 MMBtu/hr to 42 MMBtu/hr

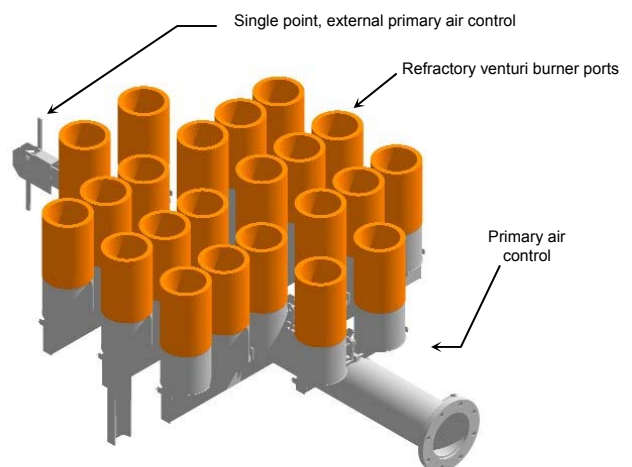
Higher capacity sizes available – Consult Factory

The Flare



Flare must be operated with approved flame safeguard controls (optional)

The Burner



Multi-port burner with individual refractory burner ports shown. Other burner designs dependent on specific site gas heat energy densities



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Specifications & Options Subject to Change Without Notice