

BIOGAS ENCLOSED FLARE

FEATURES:

- Low NOx and CO
- Externally Adjustable Internal Primary Air Dampers
- Very Low Noise, Zero Rumble
- Low Manifold Pressure Requirements
- 100% Stainless Steel Burner with Refractory Venturi Inserts

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



STANDARD EQUIPMENT:

- Stainless Steel Burner (2 Year Warranty)
- High Temperature Louvers
- U.L. Listed Frame Safeguard Control Panel
- 4" Ceramic Fiber Blanket Insulation (250°F Skin Temperature)
- Stainless Steel Weather & Heat Protection At Top of Flare
- 1200°F Paint System

OPTIONAL EQUIPMENT:

- Ladder & Platform
- Heat Shield
- Condensate Destruction System
- Purge Blower
- Auxiliary Fuel System
- Low NOx Burner
- Micro Flare
- Other Fuels & Waste Gases
- Custom Ratings, Low Turndowns

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

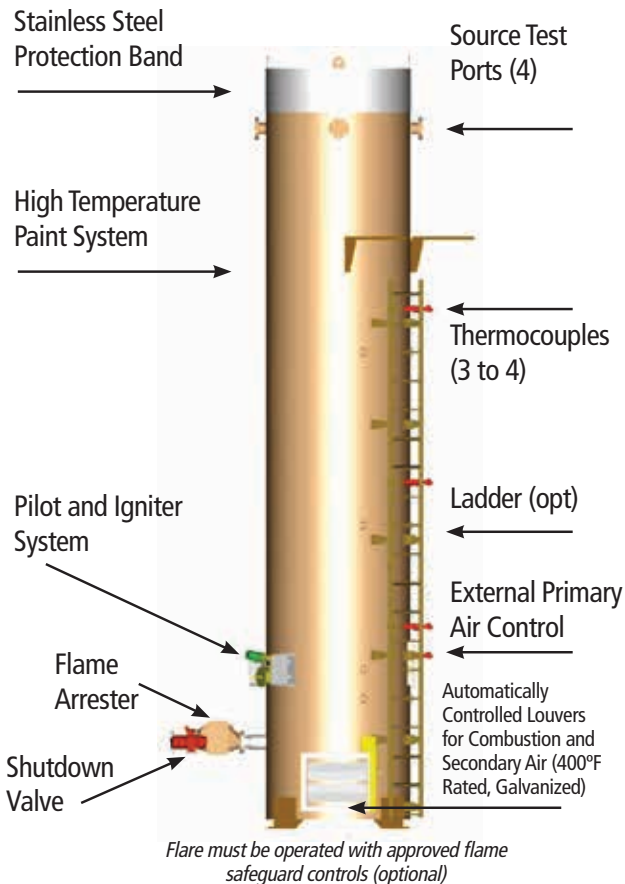


PERENNIAL ENERGY ENCLOSED FLARE RATINGS

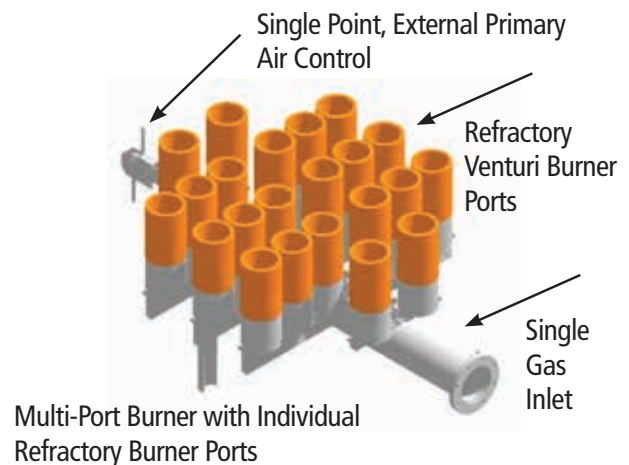
Maximum Btu/hr (Million)	Inlet Pipe Size	Flare Dimensions (Diameter x Height)	30% CH ₄		40% CH ₄		50% CH ₄	
			Maximum Flow (scfm)	Minimum Flow (scfm)*	Maximum Flow (scfm)	Minimum Flow (scfm)*	Maximum Flow (scfm)	Minimum Flow (scfm)*
4	4"	4' Dia x 20' High	222	44	166	33	133	26
6	4"	4.5' Dia x 23' High	333	66	250	50	200	40
9	6"	5' Dia x 26' High	500	100	375	75	300	60
14	6"	6' Dia x 26' High	778	156	583	117	467	93
18	6"	6.5' Dia x 28' High	1,000	200	750	150	600	120
22	8"	7' Dia x 30' High	1,222	245	917	184	733	147
30	10"	8' Dia x 30' High	1,666	333	1,250	250	1,000	200
36	10"	9' Dia x 30' High	2,000	400	1,500	300	1,200	240
42	10"	9.5' Dia x 30' High	2,333	467	1,750	350	1,400	280
48	10"	10' Dia x 30' High	2,666	533	2,000	400	1,600	320
54	12"	10.5' Dia x 32' High	3,000	600	2,250	450	1,800	360
66	12"	10.5' Dia x 38' High	3,666	733	2,750	550	2,200	440
90	12"	12' Dia x 38' High	5,000	1,000	3,750	750	3,000	600
120	13" x 28"	12.5' Dia x 48' High	6,666	1,333	5,000	1,000	4,000	800

*Assumes a standard 5:1 turndown. Greater turndowns are available, consult factory.

THE FLARE



THE BURNER



PERENNIAL ENERGY
www.PerennialEnergy.com

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