



Landfill Gas Enclosed Flare

THE PRODUCT

FEATURES:

- LOW NOx and CO
- EXTERNALLY ADJUSTABLE INTERNAL PRIMARY AIR DAMPERS
- VERY LOW NOISE, ZERO RUMBLE
- LOW MANIFOLD PRESSURE REQUIREMENTS
- 100% S.S. BURNER w/ 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



Std Ratings Dimensions

4 MMBtu/hr	4' Dia x 20' High
6 MMBtu/hr	4.5' Dia x 23' High
9 MMBtu/hr	5' Dia x 26' High
14 MMBtu/hr	6' Dia x 26' High
18 MMBtu/hr	6.5' Dia x 28' High
22 MMBtu/hr	7' Dia x 30' High
30 MMBtu/hr	8' Dia x 30' High
36 MMBtu/hr	9' Dia x 30' High
42 MMBtu/hr	9.5' Dia x 30' High
48 MMBtu/hr	10' Dia x 30' High
54 MMBtu/hr	10.5' Dia x 32' High
66 MMBtu/hr	10.5' Dia x 38' High
90 MMBtu/hr	12.5' Dia x 38' High
120 MMBtu/hr	12.5' Dia x 48' High

Standard Equipment

- Stainless Steel Burner (2 yr 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 Paint System

Optional Equipment

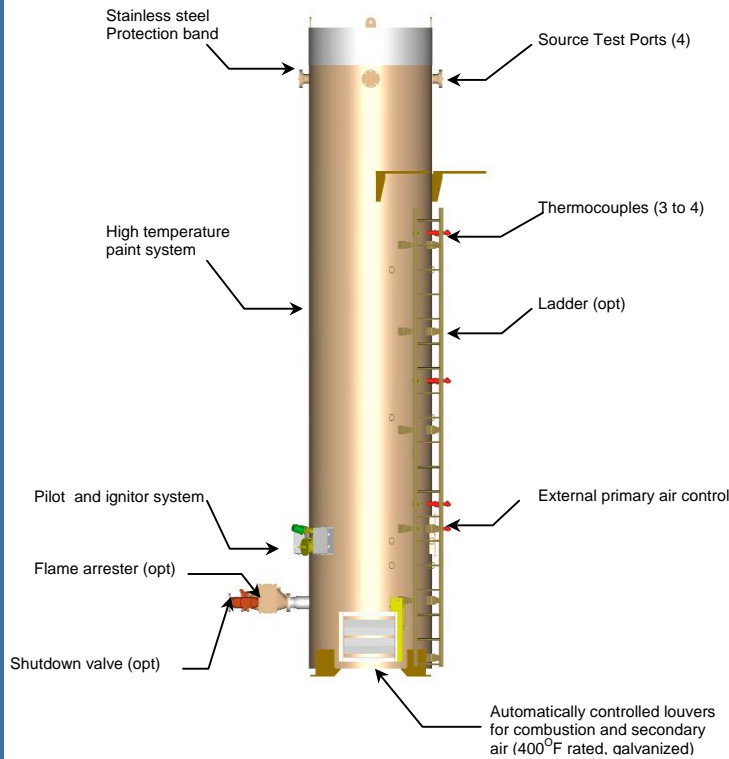
- Ladder & Platform
- Heat Shield
- Condensate Destruction System
- Purge Blower
- Auxiliary Fuel System
- Flame Arrester
- Safety Shutdown Valve
- Other Fuels & Waste Gases
- Custom Ratings, Low Turndowns

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"	12.5' 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

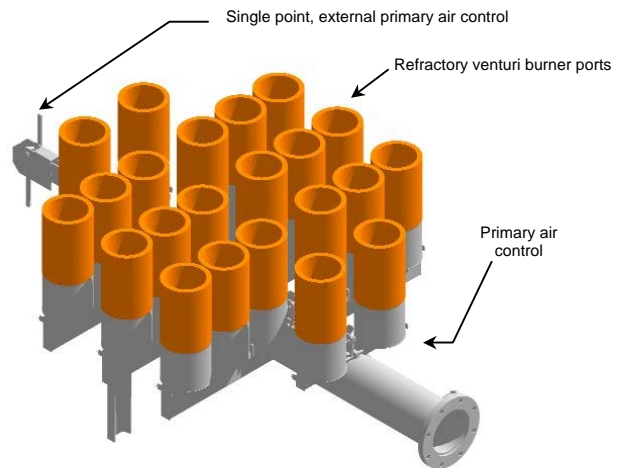
* assumes a standard 5:1 turndown. Greater turndowns are available, consult factory.

THE FLARE



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

THE BURNER



Multi-port burner with individual refractory burner ports



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