Flame Ring Flare

Advantages

- Capable of burning low BTU gas streams
- Disposes of waste gas with high CO_2 and CO content
- Higher flow capacity for high CO_2 and CO waste streams
- Stable, reliable combustion due to flame retention ring
- Long service life under normal flow conditions

General description

Carbon Dioxide, or CO_2, is often used in fire extinguishers and snuffing systems; so you can imagine what it is like to try and burn it. Many of our clients have flare applications which require disposal of gas streams with high carbon dioxide content. As the volumetric percentage of CO_2 increases, the flaring capacity of a given flare system decreases. The Flame Ring Flare Technology is used to provide a veritable ring of fire at the perimeter of the flare tip; thus ensuring proper ignition and stable combustion of these waste gases.

This technology also increases the capacity of the flare system by preventing auto-suppression of the flame, caused by high quantities of CO_2, CO, or low heating value waste streams. The Flame Ring Flare Tip by Flare Industries is the perfect solution for these types of applications.

Freestanding
Flame Ring
FLARE

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Cutting edge combustion and environmental technology, experience, innovation and superior service.

FLARE INDUSTRIES
INNOVATIVE COMBUSTION SOLUTIONS

Flame Ring Flare

Principle Applications

Low BTU waste gases
Waste gases with high CO_2 or CO content
Petroleum refining
Petroleum production
Chemical processing

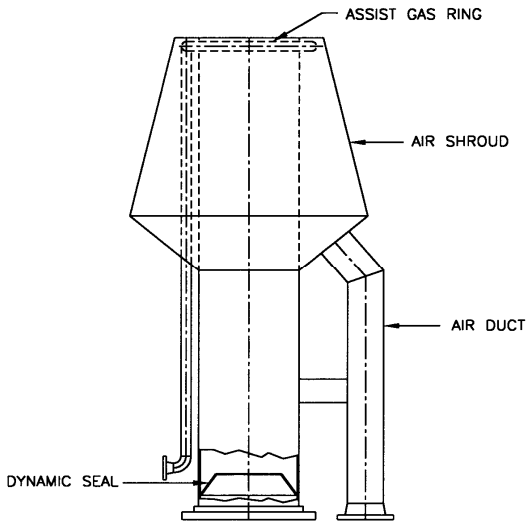
Design Features

Circumferential assist gas ring
Circular ignition source
Assist air to maintain waste gas within the combustion zone
High alloy construction in the heat affected zone
Flame retention ring to stabilize combustion
High alloy air shroud

Specifications

Dimensions:	Length:	10’ - 0” (3m)
	Diameter:	4” - 84” (0.1-2.13m)
Materials:	Upper Section:	304, 316, 310 SS
		Incolloy 800H (options)
	Lower Section:	Carbon Steel
	Flame ring manifold:	304, 316, 310 SS
		Incolloy 800H (options)
	Retention Ring:	304, 316, 310 SS
	Dynamic Seal:	304 SS

Flame Ring
Flare Tip



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