



MULTI-POINT GROUND FLARE



COMBUSTION AND ENVIRONMENTAL SOLUTIONS.
PURE AND SIMPLE.®

BURNERS

FLARES

INCINERATORS

PARTS & SERVICE

MULTI-POINT GROUND FLARE

Staging Manifold



Multi-Point Ground Flare



For Multi-Point Ground Flares, all factors point to Zeeco.

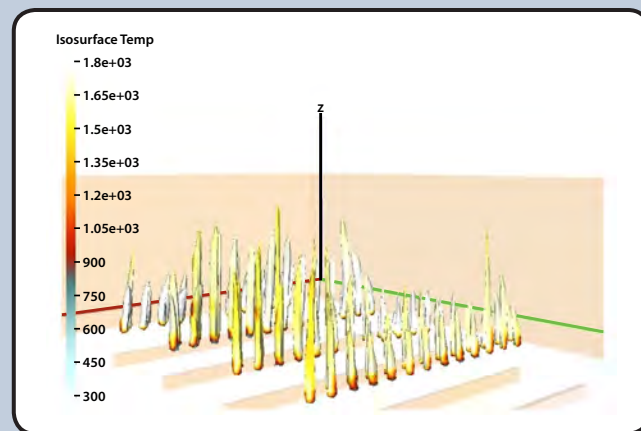
When highly variable volumes of waste gas must be flared smokelessly but exceed the practical design limits of a single steam assisted or air assisted flare, our Multi-Point Ground Flare may be the perfect solution. ZEECO® Multi-Point Ground Flares are designed and engineered to meet specific process requirements for pressure, flow, radiant heat, noise, and flame visibility control. Whether your plant is near a neighborhood, airport, or environmentally sensitive area such as a wildlife habitat, the seasoned team at Zeeco will assess, design, model, engineer, produce, and install a low-profile Multi-Point Ground Flare system that protects your plant, employees, reputation, and the environment.

As a worldwide leader in combustion technology, Zeeco has both the extensive engineering experience and intensive testing capabilities you need to ensure a superior Multi-Point solution. Because these systems are complex, it is critical to choose a provider with proven expertise in the design, installation, and commissioning of the equipment. With Zeeco, you can be certain your flare will handle varying amounts of pressure, flow, and gas composition ranges, and still remain 100% smokeless. Choose our superior fence design to keep your flame concealed and reduce noise.

Our testing smokes the competition.

Zeeco's accomplished engineering group goes the extra mile with each and every smokeless Multi-Point Ground Flare solution. Our standard approach is anything but "standard." We use advanced Computational Fluid Dynamics (CFD) to model your specific process conditions against the actual equipment design, allowing us to accurately simulate flame behavior and interaction under varying wind and weather conditions, fuel types, pressures, and flows. We also conduct wind tunnel testing to accurately predict how wind will affect flames, fences, and structures. The result? A system with superior performance and one that lasts significantly longer.

The same commitment to excellence applies to our combustion testing process. Our Combustion Research and Test Facility was the first in the world to become ISO 9001-2000 certified, and our staff strives to stay ahead of rapidly changing regulations and emission requirements. With our Flare testing facilities and multi-fuel capabilities, including natural gas to butadiene, Zeeco simulates combustion of your specific flare system under your specific conditions.



ZEECO CFD Model
An isosurface view of ethylene concentration for a 1/4 symmetry peak flow full field case with no wind. The flame height is shown to be below the fence height.



The Zeeco difference.

Our only business is the combustion business. By concentrating on what we do best, Zeeco has grown into a worldwide leader in combustion solutions. We are a privately held company whose ownership stays highly involved in daily operations, with upper management comprised of the world's leading combustion experts.

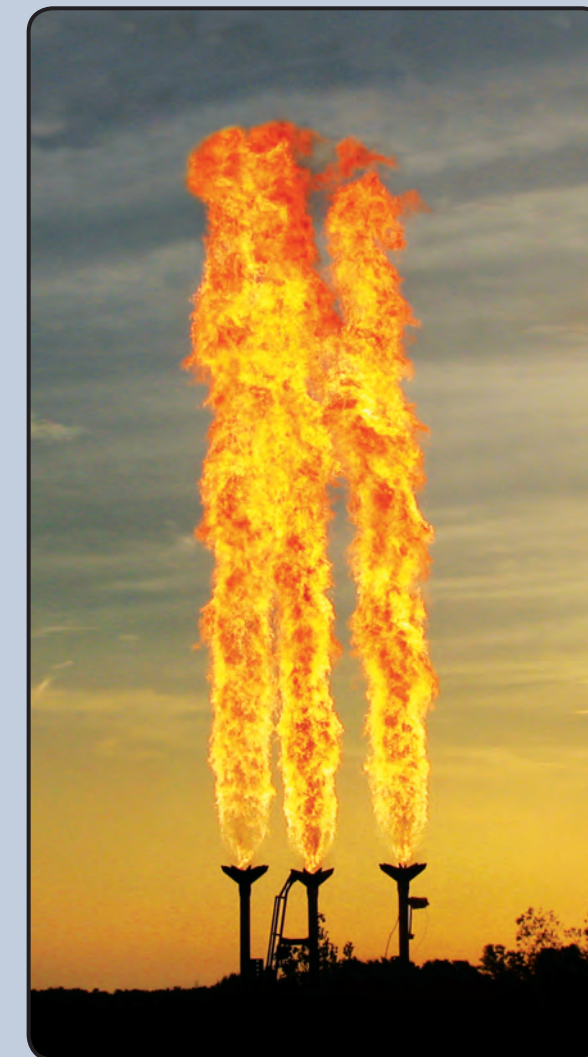
When you call Zeeco, we answer. When you make a request, you get a quick, efficient response. Our sales, engineering, and purchasing groups work hand-in-hand to deliver highly competitive quotes and heroic turnaround times. We stand ready and willing to travel anywhere in the world to discuss upcoming projects firsthand, and to ensure that every existing project runs seamlessly.

Design Features

- Very high smokeless capacity
- Long flare life
- Minimized utility requirements
- High turndown
- Steam/Air assist options available for low pressure situations

Typical Applications

- Plants in densely populated, residential, or environmentally sensitive areas
- Very high capacity flare systems where elevated flares are impractical
- Near airports where elevated flares are unsuitable
- Smokeless flaring for ethylene, propylene, and butadiene
- LNG plants and production
- Olefins facilities



100% Xylene Testing in Zeeco's Test Facility



BURNERS



FLARES



THERMAL OXIDIZERS



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