

# **PIPELINE SERVICES & ENGINEERED SOLUTIONS**



**BURNERS | FLARES | THERMAL OXIDIZERS  
VAPOR CONTROL | RENTALS | AFTERMARKET**



# Pipeline Services & Engineered Solutions

## Trusted. Experienced. Dedicated.

Zeeco is the global leader in combustion and environmental solutions and the only combustion specialist in the pipeline industry. With more than 40 years in business and an ever-growing global installation base of thousands of flare systems, including some of the largest and most complex systems in the world, our 700+ engineers have met every combustion challenge. Zeeco's Pipeline Services group comprises industry experts and engineers who combine decades of combustion experience with cutting edge technology to provide innovative solutions and seamless project execution.

## Premier Services and Solutions - Available 24/7, 365

### Fixed Volume Blowdown

Whether you are retiring an old pipeline or fixing leaks in an existing line, it is critical to depressurize the system to near atmospheric pressure. Zeeco's pipeline specialists pipe up to your connection and safely control/throttle the flow to our flare equipment to ensure a safe blowdown with high destruction removal efficiency (DRE). Additionally, we can deploy trailer-mounted thermal oxidizer units to perform enclosed flaring work in High Consequence Areas (HCA) where an open flame is prohibited or not desirable.



## Pipeline Pigging Operation

Pigging operations are a fixed flow rate process and require a careful balance of pressure at both the upstream and downstream sides of a pipeline pig. Zeeco's flare operators work with pigging operators to achieve optimal pressure differential and maintain pig speed within a safe and acceptable range. Zeeco operators help perform both online and offline pigging work while ensuring the flaring process is performed in a stable manner to achieve high DRE.

## Odorization/Pickling

The odorization of residential gas is a critical process to ensure personnel can detect pipe leaks. Zeeco's flare operators work hand in hand with odorization specialists to input the proper level of odorant into the line. As the odorization system injects odorant, Zeeco's operators control emissions through the combustion equipment to ensure a safe and efficient odorization process.

## Pipeline Commissioning

At Zeeco, we understand new pipeline commissioning involves hundreds of steps from start to finish, and a successful project requires coordinated efforts from experienced professionals. Our expert pipeline service technicians handle all aspects of combustion and work alongside the commissioning team to execute each step of the project.



## Refinery Applications

Zeeco has been serving the global refining industry for more than 40 years by manufacturing and installing the largest, most complex combustion equipment in the world. Our technicians are not only familiar with all aspects of refinery equipment, but they are also experts on pipelines that lie both inside and outside the boundaries of a refinery. Zeeco specializes in Highly Reactive Volatile Organic Compounds (HRVOC) control and measurement and performs any pipeline combustion operation required for refinery maintenance.

## Right Equipment. Right Now. Wherever You Are.

Zeeco maintains the largest fleet of combustion rental equipment in the world, comprised of skid- and trailer-mounted dual vapor/liquid open flares, thermal oxidizers, slug-catchers, knockout drums, blower skids, vaporizers, and more. All equipment is designed and built based on combustion testing performed in the world's largest combustion research and test facility located at our headquarters in Broken Arrow, Oklahoma. ZEECO® designs are regarded worldwide as the most reliable and efficient systems in operation today, ensuring we perform every project with unparalleled safety and efficiency.

## Pipeline Trailers

- Multi-stream capabilities allow for flaring of both gases and liquids
  - » HRVOCs including ethylene, propylene, butylene, and butadiene
  - » Natural Gas Liquids (NGL)
  - » Liquid Propane Gas (LPG)
- No electricity required
- Proprietary supersonic air injection manifold utilizes compressed air for flaring heavy liquids
- Valving and instrumentation allow operators to throttle flow to the flare
- Sizes range from 10' fixed height trailers to hydraulically raised systems of over 60'.

## Enclosed Flare / Vapor Combustor / Thermal Oxidizer – ZEECO Zephyr™

- Completely hidden flame and zero emitted radiation – well suited for work in close proximity to public areas
  - » Residential/High Consequence Area (HCA)
- Smokeless performance from 0% to 100% operation
- Fully automated controls system for automatic flame ignition and monitoring, preheat of the unit for hazardous vapors, and temperature control to increase residence time and destruction efficiency.





## The Zeeco Difference

By concentrating on what we do best, Zeeco has grown into a worldwide leader in combustion and environmental 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. We are lean and efficient, able to make decisions quickly, without bureaucracy and red tape. 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.



REGISTERED  
ISO 9001:2015

Certification applies to  
Zeeco Headquarters.

Visit [zeeco.com/contact](https://zeeco.com/contact) for additional Global Location contact information

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Choose to work with our dedicated, flexible, and innovative team, and you won't be disappointed. Call or email us today to request a quote or to learn more about our proprietary combustion systems.