



PACKAGED THERMAL OXIDIZERS

Gas Processing Applications



BURNERS

FLARES

INCINERATORS

PARTS & SERVICE

PACKAGED THERMAL OXIDIZERS

*ZEECO® thermal oxidizers
reliably and safely destroy
BTEX and amine acid gas
streams with 99.999% DRE*



Fully engineered. Immediately available.

Zeeco designs and delivers the most reliable and efficient combustion and environmental solutions for gas processing applications. Zeeco's horizontal or vertical packaged thermal oxidizer systems can handle all BTEX emissions, glycol vent gas and/or amine stripper acid gas streams with a 99.999% destruction efficiency. With more than 20 global locations, numerous manufacturing facilities, and an engineering brain trust that is simply unmatched, Zeeco delivers the right thermal oxidizer for your process conditions.

We work in your window.

Zeeco's packaged thermal oxidizers are available **off the shelf** or for **rental applications**, and can be delivered in as fast as a week.. Mounted on a pre-piped, prewired skid, our units require only minimal field assembly for fast installation. Quick response, on-site engineering, 24/7 support, and technical consultation are always available, even after installation.

The Zeeco difference.

Zeeco is a worldwide leader in combustion and environmental solutions with thousands of installations to our name. For more than 40 years, Zeeco has tackled the most challenging projects to help industries operate safer and cleaner. Globally local with comprehensive aftermarket service and support, and a team of engineers dedicated to your mission, Zeeco is the natural choice to improve operations and reduce your carbon footprint.

Systems that solve complex problems, simply.

Safety – NFPA 86 compliant, designed for Class 1, Division 2 area classification minimum, SIL 2 Burner Management System.

Delivery – Always in stock or in production. Spare parts on-hand for quick delivery. Equipment rental available for fast, temporary demands.

Simplicity – Mounted on a pre-piped, prewired skid with minimal field assembly.

Reliability – More than 35 years of experience designing industrial-scale combustion solutions, including large thermal oxidizers. Recognized combustion industry leader that stands behind our equipment.

Compliance – Guaranteed destruction and removal efficiencies of 99.999 percent.

Flexibility – Each unit comes with all necessary internal hardware required to handle any waste or combination of wastes without cutting or welding. Units are skid-mounted and easy to relocate.



ZEECO® Z-HTO Horizontal Thermal Oxidizer



**ZEECO® Z-XLTO Vertical
Thermal Oxidizer**



Design Features

- ZEECO burner specifically designed for acid gas, glycol vent gas, flash gas
- ZEECO Burner Management System (BMS) PLC, instruments, controls, and HMI at local control panel
- Combustion air blower with variable frequency drive
- Full rain shield prevents acid gas condensation
- Greater than 99.999% DRE
- NFPA 86 compliance

Options Available

- Detonation arrestor
- Knockout drum
- Waste block valves
- Process control system (minimal outside control interface required)
- ZEECO Guardian™ Wireless Remote Monitoring System (cellular accessibility)
- Ladders and platforms
- ZEECO ultra-low NOx burners

ZEECO Packaged Thermal Oxidizers	Additional Features	Capacity*	
		Acid Gas from Amine Stripper	BTEX/Glycol Vent Gas/Flash Gas
Horizontal Thermal Oxidizer Z-HTO	<ul style="list-style-type: none"> • Personnel protection • 25' Stack discharge elevation • Completely skid-mounted • Easily transportable • Minimal assembly & hookup 	Up to 2.0 MMSCFD	Up to 6.0 MMBTU
Vertical Thermal Oxidizer Z-VTO	<ul style="list-style-type: none"> • 30' stack discharge elevation • Completely skid-mounted • Easily transportable • Minimal assembly & hookup • Small footprint 	Up to 1.8 MMSCFD	Up to 5.3 MMBTU
Vertical Thermal Oxidizer with stack extension Z-VTO-SE	<ul style="list-style-type: none"> • 60' stack discharge elevation • Completely skid-mounted • Easily transportable • Minimal assembly & hookup • Small footprint 	Up to 2.6 MMSCFD	Up to 7.75 MMBTU
Large Vertical Thermal Oxidizer Z-XLTO	<ul style="list-style-type: none"> • 70' stack discharge elevation • Fully engineered for purpose 	Up to 5.1 MMSCFD	Up to 14.5 MMBTU

*Capacity based on 13.0 Btu/SCF acid gas and fuel quality glycol vent / flash gas, LHV>600 Btu/SCF



ZEECO® Z-VTO Vertical Thermal Oxidizer



BURNERS



FLARES



THERMAL OXIDIZERS



PARTS & SERVICE



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ZEECO® combustion and environmental solutions are designed and manufactured to comply with applicable local and international standards as defined by our customers.



REGISTERED
 ISO 9001: 2015

CERTIFICATIONS APPLY TO ZEECO HEADQUARTERS.

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