



# VAPOR RECOVERY SYSTEMS

## Control emissions. Recover valuable hydrocarbons.

Whether you operate a truck, marine or rail car loading terminal, or storage tank facility, you already know fugitive emissions from the product loading process and the tanks can represent losses of a valuable product and present a hazard to the environment and operation.

Zeeco's Vapor Recovery Systems minimize emissions from the loading of trucks, ships, barges, and tanks, and return these valuable vapors to the loading or storage operation. Vapor recovery systems significantly reduce the loss of profitable products with recovery efficiencies up to 99%-plus and recovery rates between 1 to 2 liters per 1,000 liters loaded. In many applications, return on investment can occur within a few short years.



*Truck Loading Terminal*

## A range of systems to meet any application.

Zeeco offers a range of vapor recovery systems based on varying vapor inlet capacities to fit specific applications, from the smallest truck-loading terminals to the largest marine-loading operations. Our flexible approach to client requirements and engineering standards enables us to offer customized systems for applications both large and small.

Zeeco's vapor recovery systems also meet the strictest emission compliance requirements around the world. From the lowest flow rates found in single truck-loading applications to the largest ship-loading operations, Zeeco designs vapor recovery systems that control emissions from 35 mg/L down to 1 mg/L.



*ZEECO® Vapor Recovery Unit*

## Typical products recovered.

- |               |            |           |
|---------------|------------|-----------|
| • Gasoline    | • Benzene  | • Ethanol |
| • Crude Oil   | • Xylenes  | • MTBE    |
| • Naptha      | • Toluene  | • ETBE    |
| • Condensates | • Methanol |           |

## How Zeeco's vapor recovery process works.

Zeeco's vapor recovery systems use the highly versatile and efficient process of adsorbing hydrocarbons onto activated carbon. This well-known technology is widely accepted as the Best Available Technology (BAT) in a wide range of applications, with a turndown capability of 0 to 100% of flow and inlet hydrocarbon concentrations.

The adsorbed hydrocarbons are recovered from the activated carbon through the use of a vacuum pump system and re-absorbed into a circulated stream of absorbent, returning the hydrocarbons back to the loading operation or storage facility. Either liquid ring, dry, or sliding vane vacuum pump types can be used.





BURNERS



FLARES



INCINERATORS



VAPOR CONTROL

## Vapor Recovery Systems

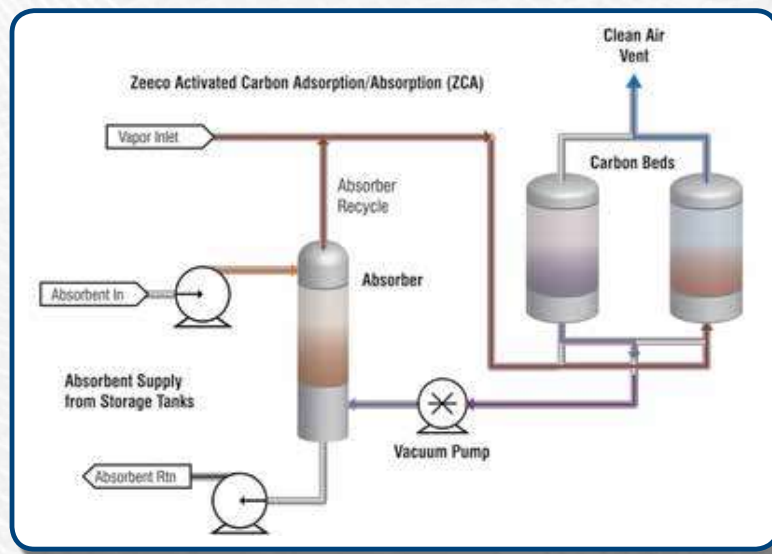
### About Zeeco.

With thousands of process installations to our name and more than 21 global locations, Zeeco has earned an enviable reputation for superior engineering, product performance, and professional integrity. For more than 40 years, we've kept a tight rein on the positive differences that have guided us to become the world leader in advanced combustion and environmental systems. So, no matter where you operate, rest assured your project will receive exceptional attention, responsiveness, and service.

Let Zeeco help you operate smarter. Give us a call today and let's start talking about the right vapor recovery solution for your terminal.



Vapor Recovery Unit



ZECCO® 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

CERTIFICATION APPLIES TO ZECCO HEADQUARTERS ONLY.

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