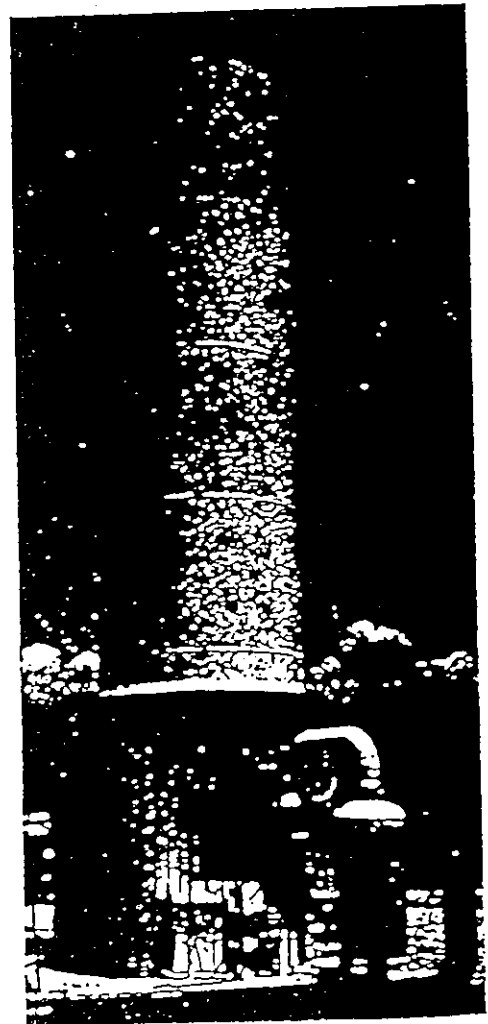


The ZEECO

FULLY AUTOMATED TERMINAL VAPOR COMBUSTOR

Meets all Clean Air Act standards for disposal of waste vapors from loading, refining, petrochemical and marketing facilities.

- No Smoke
- No Visible Flame
- Smooth Light-off
- Intermittent Pilot
- Low Pilot Gas Consumption
- Accepts All Vapors
- Wide Turn-down
- Advanced Hydro-seal Design
- Simplified, Self-diagnosing PC Controls
- High Capacity
- Pre-piped and Skid-mounted for Easy Installation
- No Reflected Light At Night
- Clean, Good Looking Exterior Design
- Proven Service
- Many Successful, Trouble-free Installations



Designed and Manufactured by



The ZEECO Terminal Vapor Combustor

FOR SAFE, EFFICIENT COMBUSTION OF HYDROCARBON/AIR FUMES
GENERATED DURING TANK LOADING OPERATIONS. DESIGNED FOR
AUTOMATIC STARTING/STOPPING FROM THE LOADING RACK
OR "DRIVE-OVER" MAGNETIC LOOP SENSOR.

SYSTEM COMPONENTS

ALL SYSTEM COMPONENTS EXCEPT THE COMBUSTOR STACK ARE PRE-PIPED AND SKID-MOUNTED FOR EASE OF INSTALLATION.

Inlet Hydro-Seal

The inlet seal drum is a vessel designed to maintain a hydro-seal leg between the combustor and the terminal loading operations. This water leg prevents flashback to the terminal. The vessel has internals which promote smooth flow of gases to the combustor and resist the development of surge conditions.

Flame Arrestor

Directly attached to the combustor stack in the vent line is an in-line flame arrestor. The arrestor is designed to prevent any flashback to the hydro-seal drum. The flame arrestor has a replaceable element and comes with flanged inlet and outlet.

Combustor

The vent vapor is piped to the specially designed burner. This burner assembly* is designed to allow auxiliary air from the air assist blower to mix with the vent vapor and establish combustion while tempering air (for temperature control) comes into the unit via an annulus formed by the refractory floor and the burner assembly.

Air Assist Blower

The air assist blower is mounted directly beside the combustor stack. The blower comes complete with motor and is designed for staged air flow to adjust for varying vent vapor flow rates.

Controls System and Automatic Flame Ignitor

The controls system is enclosed in a weatherproof panel. All sequencing for the system is provided for completely automatic operation. The panel is mounted on a self-supporting structure which also accommodates the flame ignitor piping and controls.

Combustor Stack

The combustor stack is a self-supporting unit designed to provide smokeless and sightless burning of vent vapors from the terminal loading operations. The combustor stack is internally lined with refractory.

*Patent Applied For.

Burners • Flares • Incinerators
Replacement Parts • Special Products • Services



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"IMPROVEMENT THROUGH EVOLUTION"