



# WASTE GAS BURNER

MODEL 8392B



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The Groth Model 8392B Waste Gas Burner features flame front ignition technology. This technology allows for the pilot ignition to occur at ground level. The “flame front” is contained within pilot ignition piping which is plumbed to the wind shield to ignite the gas stream. Easier maintenance of pilot ignition system is the major advantage of this technology.

## Technical Details

- Size: 2” (DN 50) through 12” (DN 300)
- Material: All stainless steel construction in flame area
- Enclosure: Nema 4, Weatherproof
- Pressure Switch
  - Explosion Proof: 4 - 20 InWC
  - Range: 0.4 - 0.6 InWC Deadband
- Pilot Fuel
  - Natural Gas – 4 InWC to 10 psig Supply Pressure
  - LPG – 1 psig to 10 psig Supply Pressure
  - Digester Gas 4 InWC to 10 psig Supply Pressure
  - Pilot Consumption: 22-150 SCFH
- Electrical
  - 115V, 1PH, 60 Hz, 10 AMP, grounded neutral Contacts for remote monitoring
  - (1) NO, 3 AMP, “Flame On”
  - (1) NO, 3 AMP, “Flame Failure”

## Features

- Automatic ignition and re-ignition
- Pilot ignition system at ground level
- Stoichiometric pilot on all burners
- Efficient combustion with biogas BTU value as low as 400 Icu. Ft.
- Pilot System operates with gas pressures as low as 4 inWC
- Safely incinerates waste gases preventing fugitive VOC emissions
- Reliable pilot gas ignition system ensures that the waste gas is properly incinerated

## Options

- Optional Enclosure: Nema 4X, Nema 7
- Explosion Proof: 4 - 20 InWC
- Range: 0.4 - 0.6 InWC Deadband
- Natural Gas – 4 InWC to 10 psig Supply Pressure
- LPG – 1 psig to 10 psig Supply Pressure
- Digester Gas 4 InWC to 10 psig Supply Pressure
- Pilot Consumption: 22-150 SCFH
- Control panel sunshield



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