



# WASTE GAS BURNER

MODEL 8391B



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The Groth Model 8391B Waste Gas Burner includes an ignition system with all of the best features available in a waste gas burner. The burner wind shield contains the unique “downdraft prevention” with a bevel design which substantially eliminates the possibility of the flame being blown out. The design also provides the proper air/fuel mixture to ensure an efficient burn. The wind shield will deflect outside winds, up to 150 MPH, and operates efficiently in heavy rains preventing smoke and odors from permeating the surrounding area.

## Technical Details

- Size: 2” (DN 50) through 12” (DN 300)
- Material: All stainless steel construction in flame area
- Enclosure: Nema 4
- Pressure Switch
  - Explosion Proof: 4 - 20 InWC
  - Range: 0.4 - 0.6 InWC Deadband
- Electrical
  - 115V, 1PH, 60 Hz, 10 AMP, grounded neutral contacts for remote monitoring
  - NO, 3 AMP, “Flame On”
  - NO, 3 AMP, “Flame Failure”

## Features

- Automatic ignition and re-ignition
- Stoichiometric pilot on all burners
- Efficient combustion with biogas BTU value as low as 400/cu. ft.
- Reliable “downdraft prevention” for wind protection
- Flame retention vortex vanes vastly improve burning efficiency
- Pilot system operates as low as 4 inWC (standard components)
- Safely incinerates waste gases preventing fugitive VOC emissions
- Reliable pilot gas ignition system ensures that the waste gas is properly incinerated
- Quick, easy maintenance

## Options

- Optional Enclosure: Nema 4X, Nema 7
- Pilot Fuel Options
  - 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
  - 150# ASME flange or Anchor Plate
  - Igniter: Manual/ Automatic/Dual Flame Sensing



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