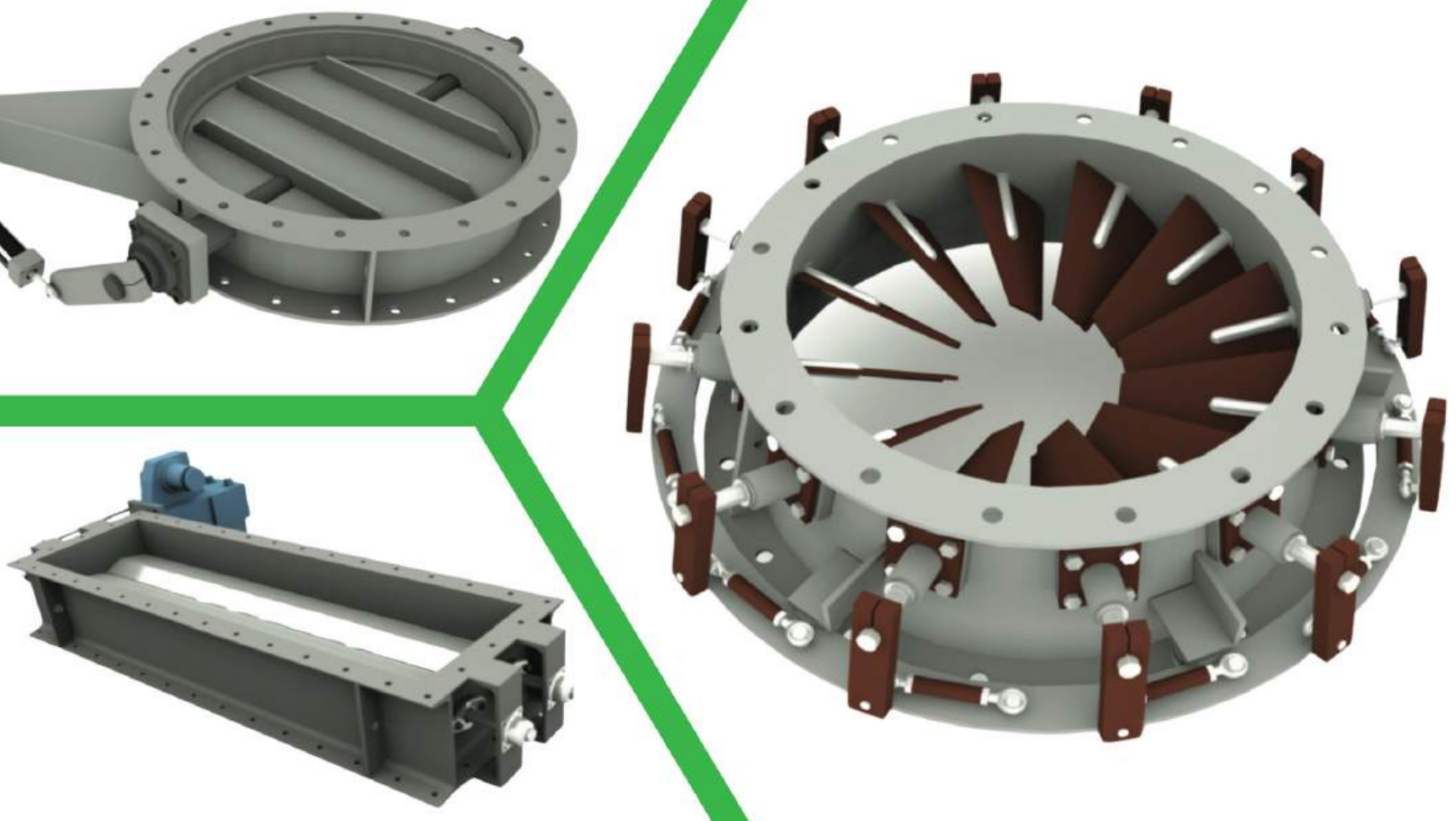


# Dampers

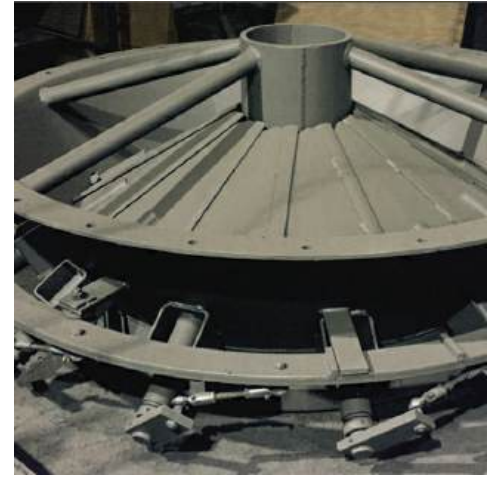


At ProcessBarron, we have assembled a skilled team of craftsmen and engineers who design and manufacture a wide array of dampers and related equipment. Our expertise includes developing completely new applications, retrofitting and upgrading equipment into existing spaces, and providing readily available parts for emergencies. All custom dampers are designed, manufactured, shop-assembled, and tested in-house at our Alabama facilities. Field crews are available for complete turnkey installation, equipment start-up, on-site inspections, and detailed evaluations of your current damper needs. Technical assistance and custom-designed damper specifications are provided through our sales and engineering departments.



## VORTEX DAMPERS

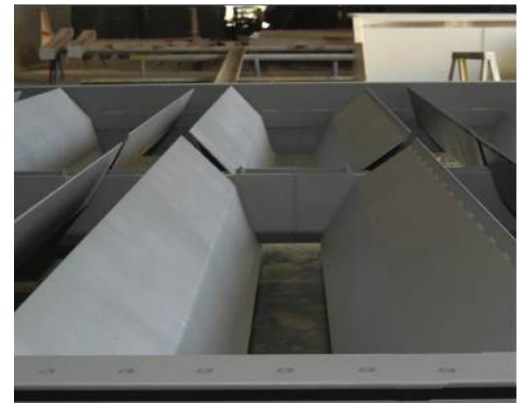
Vortex dampers are used at the fan inlet to spin the entering air or gas in the direction of fan wheel rotation. Depending on damper size and operating conditions, ProcessBarron offers cantilevered blade and center hub support blade designs. Vortex dampers, also known as variable inlet vane dampers (VIV), are most commonly associated with fan inlets handling clean flue gases less than 500°F.



## LOUVER DAMPERS

Parallel Blade Louver dampers are available for open-close service, fixed flow balance control, and for use as a variable control damper at the inlet box of a fan to pre-spin the air entering the fan wheel.

Opposed Blade Louver dampers are used where the system requires airflow control or balance and can be used for on-off service.



## BUTTERFLY DAMPERS

Butterfly dampers are single blade, low or minimum leakage dampers that are well suited for open-closed service or flow control balancing. Our designs include:

- Round, square, or rectangle blades
- Electric, pneumatic, hydraulic, or manual gear actuators with pneumatic or electrical positioners for effective damper control.
- A high-temperature butterfly damper model with refractory lining on the blade and interior of the housing is available for elevated temperature applications up to 1400°F.



## SPECIALTY DAMPERS

A variety of custom-designed dampers for many applications are available, built according to the customer specifications of pressure, temperature, airflow regulation, and other critical operational requirements. Technical assistance is provided through our sales and engineering departments for support in generating specifications for procurement of specialized dampers.



## SLIDE GATE DAMPERS

ProcessBarron slide gate dampers incorporate self-cleaning stainless steel blades and atmospheric seals for easy maintenance and adjustment.

All of our slide gate dampers are designed to customer specified applications and metallurgies and are available utilizing machine screw or chain drives.

Both low-leakage and zero-leakage style slide gate dampers are available depending on your isolation needs.



## DIVERTER DAMPERS

Flow diverter dampers are commonly used throughout process recovery, heat recovery, and turbine exhaust systems to direct gas flow in one or two directions. These systems are fully assembled and operationally tested by experienced engineers prior to shipment or installation.



# COMPANY SERVICES



## Fuel & Ash Handling Systems

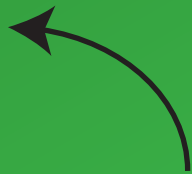
- Underpile Reclaimers
- Live Bottom Fuel Meter Bins
- Material Screening & Hog Towers
- Heavy Duty Screw & Drag Conveyors
- Underpile Drag Chain & Screw Conveyors
- Ash Storage Silos
- Ash Unloading & Conditioning Equipment
- Double Dump Valves & Rotary Feeders

## Air & Gas Handling Systems

- Mechanical Draft Fans (Induced & Forced Draft)
- Boiler Upgrades & Stokers
- Economizers & Tubular Air Heaters
- Multiclone Dust Collectors
- Dampers & Expansion Joints
- Ductwork & Exhaust Stacks
- Draft System Assessment
- Efficiency Upgrades
- Steam Turbines - New & Maintenance

# EMERGENCY REPAIR

ProcessBarron provides fast emergency repair services for equipment and components. Don't lose valuable time and money, call us today. Our emergency crews are ready to serve you 24 hours a day. For emergency repair, call: 800-226-3267.



**SCAN HERE**

**Phone:**  
888-663-2028

**Emergency Repair:**  
800-226-3267

**Mailing Address:**  
PO Box 1607  
Pelham, AL 35124

[www.processbarron.com](http://www.processbarron.com)

ProcessBarron is an innovative leader in custom-engineered products and expert field services. We've been serving industrial customers since 1981 through our safety-focused, professional, and technically advanced teams driving smart, clean, and efficient production.