



# FLAP DIVERTER DAMPERS

Isolation / Control - High Temperature Exhaust Gases in hostile environments

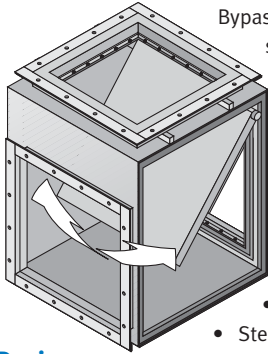
## Flap-Diverter Dampers

Flextech Industries' high-efficiency GTE diverter dampers are custom engineered to divert high temperature exhaust gases from a gas turbine to the heat recovery boiler or bypass system. Flextech single blade diverters are designed with several unique and patented features for improved flow distribution and sealing efficiency of your system. The diverter structure is designed to accommodate all internal and external loads the application may require.

### Rugged Construction

Flextech Flap Diverter Dampers feature rugged, heavy-duty construction for longer life.

- Body and blade materials can range from carbon steel to stainless steel and Hastelloy™.
- Efficient drive cycle ensures desired open/close times.
- Flextech design supports repackable, exterior-mounted packing glands and outboard heavy-duty flanged bearings for easy maintenance.



### Custom-Engineered

Flextech Flap Diverter Dampers are custom-engineered to your specifications.

- Capable of achieving 99.75% sealing efficiency in the Open or Bypass mode. (Seal air system is available if 100% sealing needed for personnel safety).

### Applications

- Heat Recovery Boilers in cogeneration units.
- Gas turbine exhaust
- Steam generators

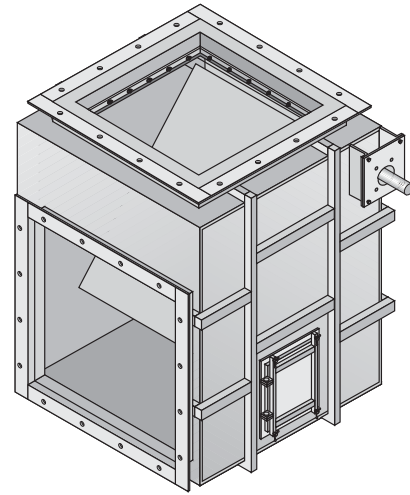
### Innovative Blade Design

Flextech Flap Diverter Damper blade designs add efficiency and economy.

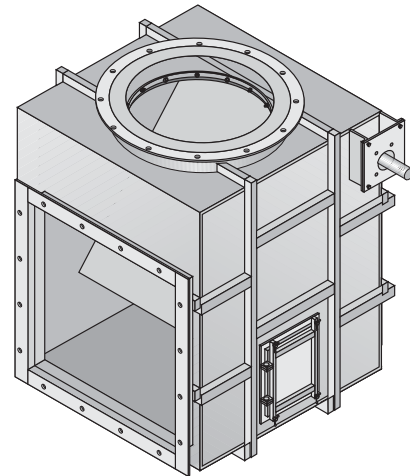
- Flextech blade is encapsulated, weighing less than other designs.
- Blade requires smaller actuator. This reduces both initial and operational costs - less energy consumption to open/close blade.

### Insulation Options

- With internal temperatures up to +1200°F, the Flextech standard unit maintains an outer skin temperature of less than 300°F. This can be reduced to less than 150°F by applying specific design options.
- Internally-insulated diverter has independent floating inner liners to match mating ductwork.



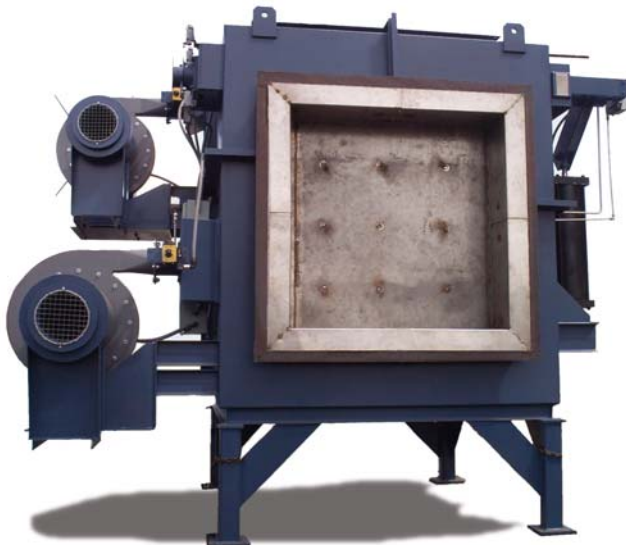
Engineered for rectangular & circular cross-section ducts



### Seal Air System for "Man Safe" Applications

A Seal Air System is required for all diverter dampers to ensure 'Man-Safe' isolation.

MAN-SAFE  
DESIGN  
AVAILABLE



Behind Flextech patented Bellowseal® dampers you will find very dangerous environments - temperatures in excess of 1000°F, deadly gases, ear-bursting pressures. And a few feet away, separated by the Bellowseal® barrier, you will find crews working in confidence and safety doing routine maintenance, inspection and repair. Where the safety of plant personnel is concerned, use Flextech Bellowseal® technology.

### Flextech Flap Diverter Dampers:

- Patented Bellowseal® design
- Temperature compensating design
- Rugged, heavy-duty construction for longer life
- Thermally insulated body for higher efficiency



## WE MANUFACTURE EXCELLENCE

### FLEXTECH INDUSTRIES' PRODUCT LINE INCLUDES:

- metal bellows expansion joints
- fabric, rubber & teflon expansion joints
- flexible hose products
- piping accessories



[www.flextech-ind.com](http://www.flextech-ind.com)

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[www.flextech-ind.com](http://www.flextech-ind.com)

### DAMPER REPAIR AND REFURBISHMENT SERVICE

When regular inspection detects parts that need replacement contact Flextech Industries for damper refurbishment and parts maintenance service, including - controls, hose, fittings, bearings, packing and actuators. Ask us about any installed damper. Contact Flextech to discuss a site inspection or fax drawings, attention, "refurbishment" to: 660.885.6852



### Ask for on-site demonstration.

We will bring a full-size Guillotine damper to your facility and demonstrate our patented Bellowseal® design - the tightest seal in the industry. Call 1.877.838.3539

