



# BUTTERFLY DAMPERS

# FLEXTOR

## Butterfly Dampers Design Features



**Flextor offers a complete line of heavy-duty butterfly dampers to meet your requirements.** We have installed butterfly dampers as small as 2" diameter, to as large as 120" diameters and more. Our butterfly dampers can be found in some of the harshest environments where abrasion, corrosion and dust-loading are prevalent.

Butterfly dampers are not as precise as louver dampers for flow control but can be used for modulation when precision is not critical. For more precise flow control applications, opposed multi-blade circular louver dampers can be used.

**Drive options** Flextor has a wide range of drive options from simple shaft mounted pneumatic actuation, to heavy-duty electric and hydraulic actuation with fail safe configurations.



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**Seat configurations** Depending on the application, seat configuration can play a major role in the reliability of any damper. Our tadpole composite seats offer very tight shut-off, as much as 99.9 percent of flow, without the use of seal air fans. Flextor offers many configurations to meet your application. Blow-off configurations are also available for high dust-loading environments.

**Bearing options for smooth operation** Bearings make the difference. Our dampers are designed with bearings that meet the challenges of the operation, yielding high levels of efficiency and reliability. Self-aligning maintenance free roller bearings and sleeve bearings can be used to meet your project needs.

**Zero-leakage stuffing boxes** Flextor offers a unique "zero-leakage" stuffing box which ensures no leakage to atmosphere through the damper shaft. Machined coupling glands and compression glands are also available.

**Heavy-duty Engineered Blades and Housing** Flextor butterfly dampers are available with simple blades, structural blades, thermally compensating blades, and profiled blades. For applications where heat retention is necessary, blades can be insulated.



### Flextor installations

Flextor butterfly dampers have been installed in boiler and stack isolation systems, coal fired power plants retrofits such as overfired air and secondary air, Cement plants, Pulp & Paper plants, and many other demanding Process Industries worldwide.

All our butterfly dampers are designed, assembled and tested by our highly qualified staff.

### The Flextor commitment

Let us share our expertise with you to configure butterfly dampers tough enough to withstand your harsh environment.

From engineering through to startup, Flextor maintains detailed scheduling and monitoring to ensure that our products are complete, reliable and delivered on-time.

### Flextor products & services

Engineers and users around the globe have put their confidence in Flextor for their critical applications. Our products and services include;

- A full range of industrial dampers
- A full range of non-metallic expansion joints
- Planning & Engineering
- CFD analysis
- Finite element analysis
- Installation and supervision
- Commissioning
- Service and maintenance