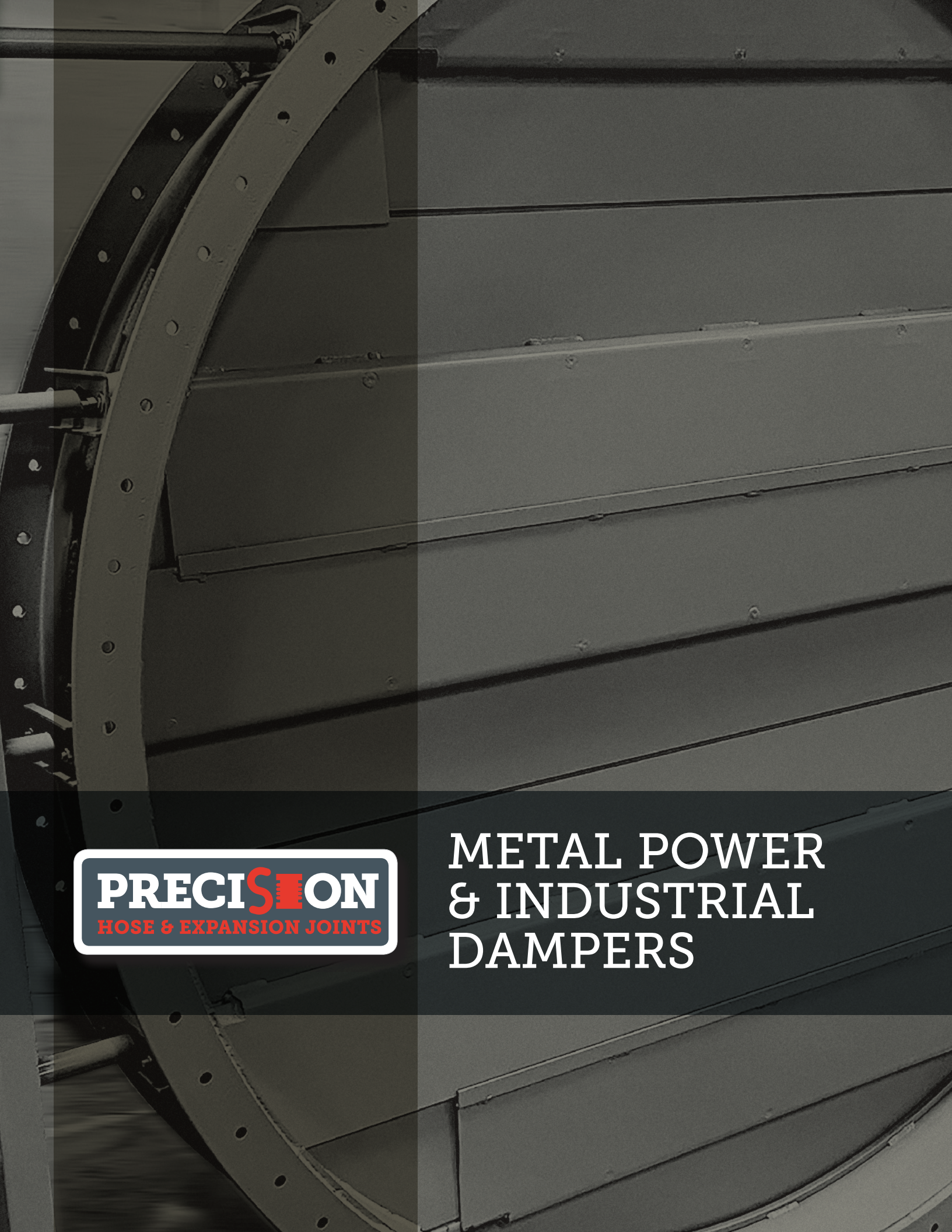


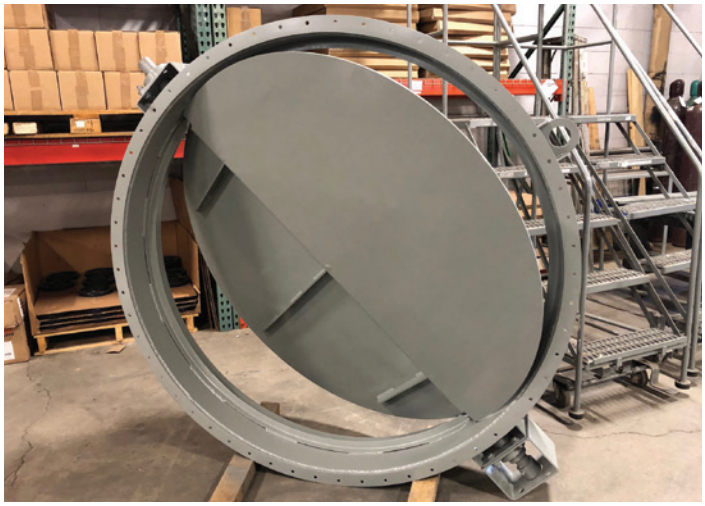
PRECISION
HOSE & EXPANSION JOINTS

METAL POWER & INDUSTRIAL DAMPERS

PRECISION MADE METAL POWER & INDUSTRIAL DAMPERS

High-quality and durable dampers are critical for a variety of power and industrial operations. From improving efficiency to simply reducing emissions, Precision Hose & Expansion Joints has everything you need. Our decades of metal dampers experience provide customers the expertise to select the best products for their project.

We strive to maximize flow efficiency while minimizing our customers' costs. We manufacture several different types of power and industrial dampers with a variety of custom options. We work carefully with our customers and reps to choose the best combination of our field-proven features and configurations to provide the most reliable and economical solution to their air and gas flow requirements.



BUTTERFLY (WAFER) DAMPERS MODEL B-1000

An ideal option for round ductwork where low leakage isolation, flow control, or both is required. Butterfly Dampers provide low-cost isolation and flow control of flue gases. Single and multi-blade designs available.

- **Process Temperature:** up to 1900˚F
- **Configurations:** round, square and rectangular
- **Construction:** stainless steel or carbon steel (other materials available upon request)
- **Shutoff:** up to 99%
- **Seal Options:** tadpole, metal seat, swing-thru
- **Actuation:** manual, electric, and pneumatic*
- **Modulation:** open/closed or modulating
- **Pressure:** up to 1 PSI & 4000 FPM process air (higher available upon request)
- Ball bearings and shaft packing glands standard (Self-lubricated, sleeve bearings available upon request)
- High temperature carbon sleeve bearings standard over 400˚F

LOUVER DAMPERS MODEL L-2000

Louver Dampers provide quick response, zero leakage, and fast operating cycles, making them the perfect solution for many different industrial applications. These dampers are specifically engineered for precise flow control and isolation in the most demanding work environments.

- **Process Temperature:** up to 2000˚F
- **Configurations:** round, square and rectangular (parallel or opposed vane)
- **Construction:** stainless steel or carbon steel (other materials available upon request)
- **Shutoff:** up to 99%
- **Seal Options:** compression, jamb, metal seat, swing-thru
- **Actuation:** manual, electric, and pneumatic*
- **Modulation:** open/closed or modulating
- **Pressure:** up to 1 PSI & 4000 FPM process air (higher available upon request)
- Ball bearings and shaft packing glands standard (Self-lubricated, sleeve bearings available upon request)
- High temperature carbon sleeve bearings standard over 400˚F

Heavy duty, industrial, "Precision" made dampers.

APPLICATIONS

Dampers are valves that control airflow. As a critical part of industrial air systems, metal industrial dampers provide a variety of uses. These range from modulating, isolating, and diverting gas flow, isolating equipment, and controlling airflow in clean air and airstreams with particulates or corrosive gases. Dampers are a critical part of industrial air systems. They are constructed from various steels and fiber-reinforced plastics and come in a variety of materials, such as stainless steel, aluminum, and galvanized steel.

SLIDE GATE (GUILLOTINE) DAMPERS MODEL G-3000

Slide Gate Dampers are ideal for creating flow isolation, especially during an inspection or maintenance. They have the ability to provide tight shut-off and complete isolation without taking up a significant amount of space. Slide gate dampers, or guillotine dampers, have a wide range of industrial uses.

- **Process Temperature:** up to 1800˚F
- **Configurations:** round, square and rectangular
- **Construction:** stainless steel or carbon steel (other materials available upon request)
- **Shutoff:** up to man safe/100%
- **Seal Options:** metal seat and jam seals
- **Actuation:** manual, electric, and pneumatic*
- **Modulation:** open/closed
- **Pressure:** up to 1 PSI & 4000 FPM process air (higher available upon request)
- Enclosed bonnet (blade retraction) area standard

** Failsafe available*

DIVERTER DAMPERS MODEL D-4000

Diverter Dampers divert the flow of air or gas within a system in another direction. It's typically arranged as a dual damper that resembles a Pipe-T, however it can also be configured at 45 degrees or as a "Pant Leg" version.

- **Process Temperature:** up to 1800˚F
- **Configurations:** round, square and rectangular
- **Angles available:** 90 degrees and 45 degrees (other angles available upon request)
- **Construction:** stainless steel or carbon steel (other materials available upon request)
- **Shutoff:** up to 99%
- **Seal Options:** tadpole, metal seat, swing-thru
- **Actuation:** manual, electric, and pneumatic*
- **Modulation:** open/closed or modulating
- **Pressure:** up to 1 PSI & 4000 FPM process air (higher available upon request)
- Ball bearings and shaft packing glands standard (Self-lubricated, sleeve bearings available upon request)
- High temperature carbon sleeve bearings standard over 400˚F

Metal Power & Industrial Dampers

WHY CHOOSE PRECISION HOSE & EXPANSION JOINTS FOR YOUR DAMPER PROJECT?

Our state of the art facility has the technology and ability to create custom products for any application requirement.

We are one of very few American companies that manufactures a complete line of products designed to meet almost every industrial and commercial need.

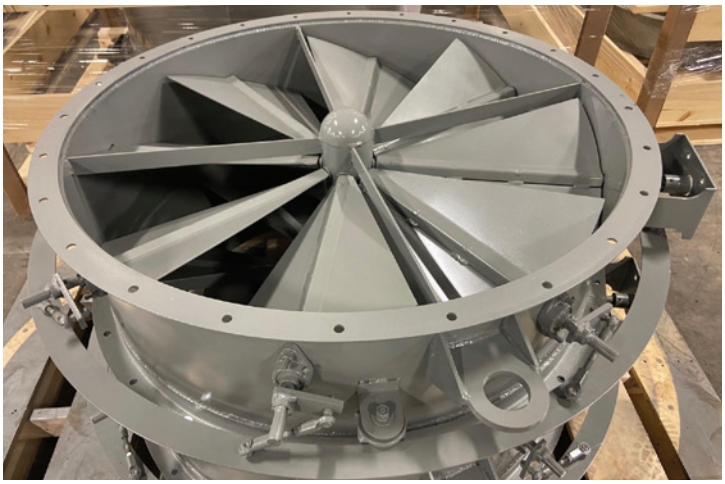
With over 65 years of being in the metal hose and expansion joint business–dating back to the early 1950's–the owners of Precision Hose & Expansion Joints have over 130 years combined experience in this industry.

Quality, service and fair pricing is the basis on how we operate our business.

IN-HOUSE REFRACTORY DAMPERS

Designed to reduce heat loss and provide erosion protection for the frame, our dampers are manufactured to withstand temperatures up to 1900˚F in corrosive, particulate dense, and/or process gas environments.

Most dampers manufactured by Precision Hose & Expansion Joints can be produced as a refractory damper. Our dampers are engineered to order. We can quickly and easily add the refractory, high-heat component upon request.



RADIAL VANE MODEL RV-5000

Radial Vane Dampers are mostly used on fan inlet applications. These dampers offer enhanced flow and pressure control.

Situated around a central hub, radial vane blades are arranged to enhance fan performance. This is done by introducing swirl into the fan inlet provides an efficient control method. Radial vane dampers can be fitted with many forms of actuation. This allows for either local or remote modulating control. These dampers are designed to withstand high air velocities.

PRECISION HOSE & EXPANSION JOINTS

2200 Centre Park Court
Stone Mountain, GA 30087
877.850.2662 **Toll free**
770.413.5680 **Phone**
770.413.5643 **Fax**