



PRECISION CONTROL. MAXIMUM PERFORMANCE.

Our dampers are designed and manufactured to accurately control the flow of air, gas, and other materials in industrial systems. Built for durability, reliability, and leak-tight performance in the most demanding environments.



ROBUST DESIGN
Heavy duty construction
for long service life
and high durability.



PRECISE CONTROL
Ensures accurate flow
regulation and system
efficiency.



RELIABLE OPERATION
Smooth operation with
minimal maintenance
requirements.



TIGHT SHUT-OFF
Low leakage design
for maximum isolation
and safety.



CUSTOM BUILT
Tailor made solutions
as per specification
and application.

TYPES OF DAMPERS

BUTTERFLY DAMPER



- Quarter turn operation
- Compact and lightweight
- Suitable for large flow applications
- Size: 150 NB to 3000 NB
- Pressure: Up to 10 Bar
- Temperature: Up to 600°C

LOUVER DAMPER



- Opposed blade operation
- Used for isolation and shut-off
- Size: As per requirement
- Pressure: Up to 5 Bar
- Temperature: Up to 300°C

SLIDE GATE DAMPER



- Linear slide operation
- Ideal for on/off and diverting service
- Size: As per requirement
- Pressure: Up to 5 Bar
- Temperature: Up to 450°C

MULTI LOUVER DAMPER



- Multiple blade louver
- For air regulation applications
- Size: As per requirement
- Pressure: Up to 3 Bar
- Temperature: Up to 250°C

BACK DRAFT DAMPER



- Prevents reverse flow
- Automatic operation
- Size: 150 NB to 2000 NB
- Pressure: Up to 2 Bar
- Temperature: Up to 300°C

CONTROL DAMPER



- Modulating control
- Accurate flow regulation
- Size: 150 NB to 3000 NB
- Pressure: Up to 10 Bar
- Temperature: Up to 600°C

CHECK DAMPER



- Prevents back flow
- Automatic operation
- Size: 150 NB to 2000 NB
- Pressure: Up to 2 Bar
- Temperature: Up to 300°C

PENSTOCK DAMPER



- Heavy duty tight shut-off
- Used in hoppers, silos and ducts
- Size: As per requirement
- Pressure: Up to 5 Bar
- Temperature: Up to 300°C

GUILLOTINE DAMPER



- Vertical linear operation
- For high temperature and high pressure
- Size: As per requirement
- Pressure: Up to 10 Bar
- Temperature: Up to 800°C

IRIS DAMPER



- Precise flow control
- Suitable for low leakage applications
- Size: 100 NB to 1200 NB
- Pressure: Up to 6 Bar
- Temperature: Up to 500°C

VOLUMETRIC DAMPER



- Used for feeding and metering applications
- Size: As per requirement
- Pressure: Up to 2 Bar
- Temperature: Up to 300°C

EXPLOSION RELIEF DAMPER



- Protects equipment and ducts from explosion
- Size: As per requirement
- Pressure: Designed as per standard
- Temperature: As per system

DAMPER ACTUATION OPTIONS



Manual
(Handwheel)



Pneumatic
Actuator



Electric
Actuator



Hydraulic
Actuator

MATERIAL OF CONSTRUCTION

- Mild Steel (MS)
- Stainless Steel (SS 304 / 316 / 310)
- Alloy Steel
- Wear Resistant Steel
- Aluminium



DESIGN STANDARDS

- IS, ASME, AWS, ISO & Customer Specifications
- Tightness Class: As per IS / EN / MSS-SP
- Flange Drilling: As per ASME B16.5 / IS 1538

TYPICAL APPLICATIONS

- Power Plants
- Steel Plants
- Cement Plants
- Chemical & Petrochemical
- Fertilizer Plants
- Mining & Minerals
- HVAC & Ventilation Systems
- Boilers & Ducting Systems

DAMPER SELECTION GUIDE

DAMPER TYPE	OPERATION	APPLICATION	LEAKAGE	PRESSURE	TEMPERATURE
Butterfly Damper	Quarter Turn	Flow Control / Isolation	Low	Up to 10 Bar	Up to 600°C
Louver Damper	Opposed Blade	Isolation / Shut-Off	Low	Up to 5 Bar	Up to 300°C
Slide Gate Damper	Linear Slide	On/Off / Diverting	Low	Up to 5 Bar	Up to 450°C
Multi Louver Damper	Multi Blade	Air Regulation	Low	Up to 3 Bar	Up to 250°C
Control Damper	Modulating	Flow Control	Low	Up to 10 Bar	Up to 600°C
Penstock Damper	Linear Slide	Hoppers / Silos	Very Low	Up to 5 Bar	Up to 300°C
Guillotine Damper	Linear Slide	High Temp. / Isolation	Very Low	Up to 10 Bar	Up to 800°C
Back Draft / Check Damper	Automatic	Prevent Back Flow	Low	Up to 2 Bar	Up to 300°C
Iris Damper	Modulating	Precise Flow Control	Very Low	Up to 6 Bar	Up to 500°C
Volumetric Damper	Rotary	Feeding / Metering	Low	Up to 2 Bar	Up to 300°C
Explosion Relief Damper	Automatic	Explosion Protection	As per Standard	As per Design	As per System

Note: Specifications are indicative and subject to change as per customer requirement.

KEY FEATURES

- ✓ Heavy duty and robust construction
- ✓ Low leakage and high efficiency
- ✓ Smooth operation and long service life
- ✓ Wide range of sizes and materials
- ✓ Custom designed to suit process needs
- ✓ Easy installation and maintenance

QUALITY ASSURANCE

- ✓ Raw material inspection
- ✓ In-process and final inspection
- ✓ Dimensional accuracy
- ✓ Leakage test
- ✓ Performance test
- ✓ Documentation & traceability



CUSTOM
ENGINEERING



QUALITY
MATERIALS



PRECISION
MANUFACTURING



ON-TIME
DELIVERY



AFTER SALES
SUPPORT



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ENGINEERED DAMPER SOLUTIONS
FOR EVERY INDUSTRY.