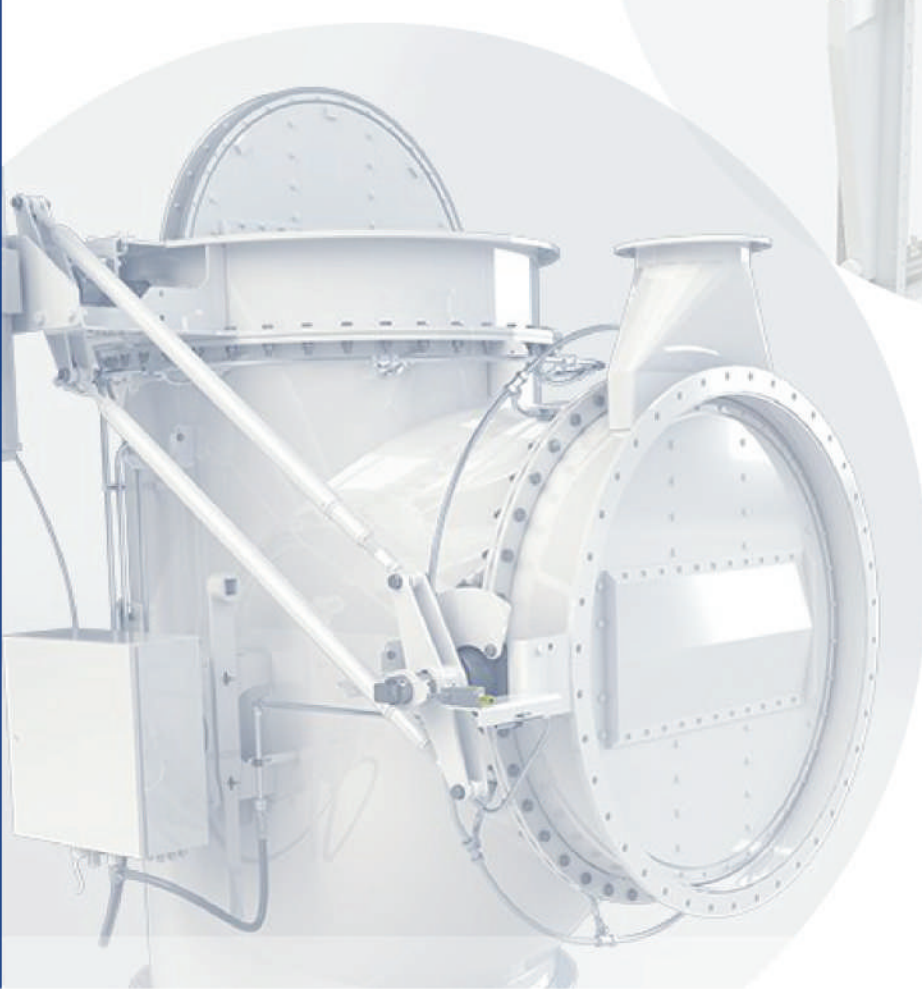


HIGH PRODUCTIVITY
SUSTAINABLE SOLUTIONS





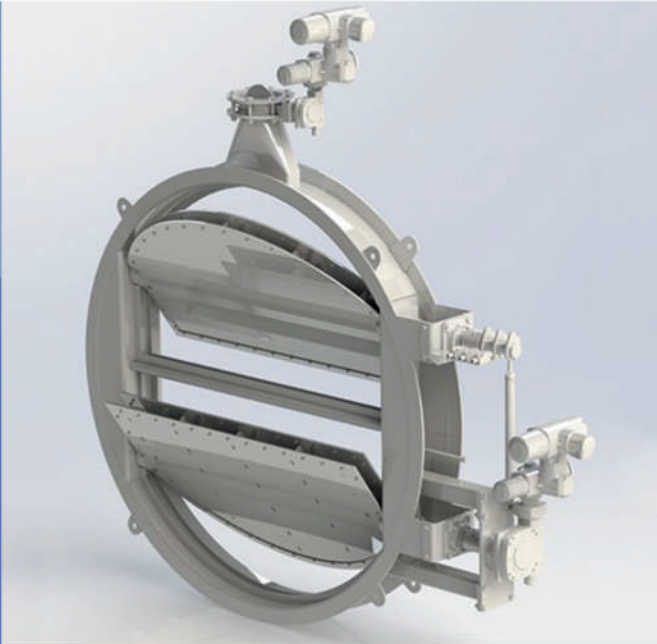
DAMPER PRODUCTION

As Fortek Industrial, we manufacture a wide range of dampers for power plants and industrial plants to control or shut off the gas flow in a fully sealed manner. We advise on selecting the right damper and actuator type and ensure that the most efficient design choices are made from the outset of the project. Careful planning in advance ensures that the end customer receives the ideal and best working damper systems for each application.

Production activities are carried out in the light of international standards and codes. In each of the manufacturing and quality control stages, the quality requirements stipulated by general standards such as EN, ASME and API are fully met.

Today, when energy efficiency and emission values are very important, reliable and trouble-free operation of valves has become a necessity for modern facilities. Fortek Ind., as a result of its R&D studies to improve its own designed valve systems and existing valve systems, has succeeded in providing 100% sealing with its air cushioned & metal alloy gasket sealing system. This system has been tested in many projects and received positive feedback and our design has been approved by our customers. Fortek provides great advantages with industrial, special design manufacturing and short delivery times.

2 WAY DAMPERS



FORTEK 2-WAY DAMPERS PROVIDE A SIMPLE AND COST-EFFECTIVE METHOD OF CONTROL AND ISOLATION. A VARIETY OF SEALING SYSTEMS, INCLUDING SPECIAL ALLOY SPRINGS AND AIR FANS, CAN BE USED TO PROVIDE THE CORRECT SEALING EFFICIENCY REQUIRED FOR YOUR APPLICATION.

Fortek 2 way dampers can be manufactured in Carbon Steel or Stainless steel. However for special applications we can also use any material to suit your requirements such as 800HT, 310S, Hardox Hitemp, 316S. Fortek offers standard series dampers as well as special butterfly dampers to suit your needs.

GENERAL FEATURES

- Round or rectangular design
- Fully welded body
- Specially designed compact design
- Standard range from DN250 to DN4500 with on/off or modulation (other sizes available on request)

TECHNICAL FEATURES

- **Pressure:** 50Kpa (0.5 barG) as standard, but we can design higher values on request.
- **Temperature:** 600°C (1112°F) as standard, but we can design up to 1250°C (2282°F) on request.

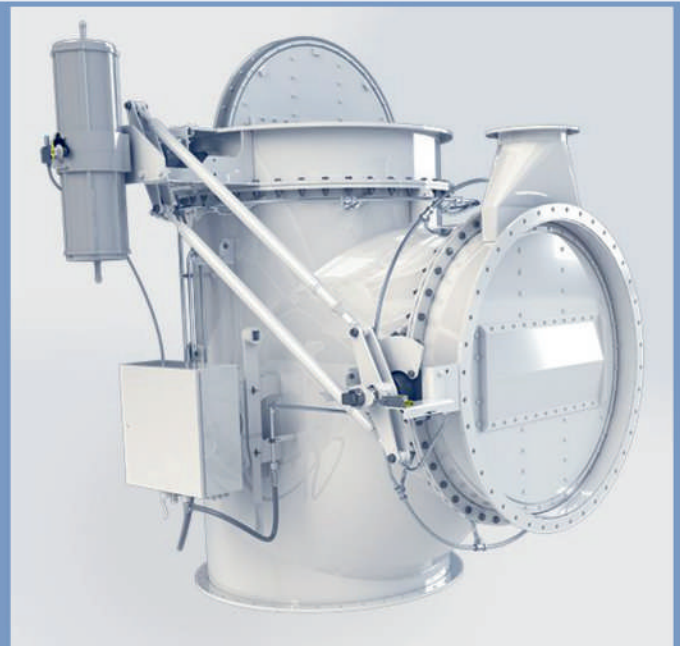
OPTIONAL EXTRAS

- Flexible metallic gaskets to increase sealing efficiency
- Sealing air for 100% tightness
- Rainwater drainage
- Mechanical locking
- Fail-safe with spring operation

DRIVE OPTIONS

- Manuel
- Electric Actuator
- Pneumatic Actuator
- Hydraulic Actuator

3 WAY DAMPERS



3-WAY DAMPERS ARE USED TO DIRECT THE GAS FLOW BETWEEN THE MAIN PROCESS AND THE BYPASS. THESE DAMPERS CAN BE FOR ISOLATION OR CONTROL PURPOSES.

Fortek can provide a range of fully customized diverters where inlet and by-pass can be individually configured (number of vanes, sealing arrangements, bearing type...). Fortek 3-way Dampers can be manufactured in Carbon Steel or Stainless steel, But for special applications we can also use any material to suit your requirements such as 800HT, 310S, Hardox Hitemp, 316S.

GENERAL FEATURES

- Round or rectangular design
- Fully welded body
- Specially designed compact design
- Standard range from DN250 to DN4500 with on/off or modulation (other sizes available on request)

OPTIONAL EXTRAS

- Flexible metallic gaskets to increase sealing efficiency
- Sealing air for 100% tightness
- Rainwater drainage
- Mechanical locking
- Fail-safe with spring operation

TECHNICAL FEATURES

- **Pressure:** 50Kpa (0.5 barG) as standard, but we can design higher values on request.
- **Temperature:** 600°C (1112°F) as standard, but we can design up to 1250°C (2282°F) on request.

DRIVE OPTIONS

- Electric Actuator
- Pneumatic Actuator
- Hydraulic Actuator

MULTILOUVER DAMPERS



FORTEK MULTI-LOUVER DAMPERS ARE THE RIGHT SOLUTION FOR APPLICATIONS REQUIRING SUPERIOR CONTROL.

Multi-louver dampers can be designed with parallel blade movement and counter blade movement depending on the customer's control needs.

Multi-louver Dampers can be manufactured in Carbon Steel or Stainless steel, but for special applications we can also use any material to suit your requirements such as 800HT, 310S, Hardox Hitemp, 316S.

A variety of sealing systems can be used, including special alloy springs and air blower to provide the correct sealing efficiency required for your application.

Fortek multi-louver dampers are carefully designed to meet the most demanding project requirements.

GENERAL FEATURES

- Round or rectangular design
- Fully welded body
- Specially designed compact design
- Standard range from DN250 to DN4500 with on/off or modulation (other sizes available on request)

TECHNICAL FEATURES

- **Pressure:** 50Kpa (0.5 barG) as standard, but we can design higher values on request.
- **Temperature:** 600°C (1112°F) as standard, but we can design up to 1250°C (2282°F) on request

OPTIONAL EXTRAS

- Flexible metallic gaskets to increase sealing efficiency
- Sealing air for 100% tightness
- Rainwater drainage
- Mechanical locking
- Fail-safe with spring operation

DRIVE OPTIONS

- Electric Actuator
- Pneumatic Actuator
- Hydraulic Actuator

GUILLOTINE DAMPERS



FORTEK GUILLOTINE DAMPERS CAN BE USED IN ANY APPLICATION WHERE POSITIVE SEALING IS REQUIRED FOR ROUTINE MAINTENANCE AND/OR ACCESS TO THE DUCT BEHIND A DAMPER. A VARIETY OF SEALING SYSTEMS, INCLUDING SPECIAL ALLOY SPRINGS AND AIR FANS, CAN BE USED TO PROVIDE THE CORRECT SEALING EFFICIENCY REQUIRED FOR YOUR APPLICATION.

Fortek Guillotine Dampers can be manufactured in Carbon Steel or Stainless steel, but for special applications we can also use any material to suit your requirements such as 800HT, 310S, Hardox Hitemp, 316S.

GENERAL FEATURES

- Round or rectangular design Fully welded body
- Specially designed compact design
- Standard range from DN250 to DN4500 with on/off or modulation (other sizes available on request)

TECHNICAL FEATURES

- **Pressure:** 50Kpa (0.5 barG) as standard, but we can design higher values on request.
- **Temperature:** 600°C (1112°F) as standard, but we can design up to 1250°C (2282°F) on request.

OPTIONAL EXTRAS

- Flexible metallic gaskets to increase sealing efficiency
- Sealing air for 100% tightness
- Rainwater drainage
- Mechanical locking
- Chain drive
- Linear Pneumatic cylinders

DRIVE OPTIONS

- Manual
- Electric Actuator
- Pneumatic Actuator
- Hydraulic Actuator

SEALING AIR DAMPERS



FORTEK SEALING AIR DAMPERS ARE THE RIGHT SOLUTION WHEN 100% SEALING AGAINST FPROSES GAS IS REQUIRED.

Our design is based on flexible special alloy seals to ensure durability even at high temperatures and in heavy duty applications.

Fortek Sealing Air Dampers can be manufactured in Carbon Steel or Stainless steel, But for special applications we can also use any material to suit your requirements such as 800HT, 310S, Hardox Hitemp, 316S.

2-way, Multi-louver, Guillotine and 3-way dampers are also available with 100% sealing. Fortek can provide the sealing air system (ducts, heaters, fans).

GENERAL FEATURES

- Round or rectangular design
- Fully welded body
- Specially designed compact design
- Standard range from DN250 to DN4500 with on/off or modulation (other sizes available on request)

TECHNICAL FEATURES

- **Pressure:** 50Kpa (0.5 barG) as standard, but we can design higher values on request.
- **Temperature:** 600°C (1112°F) as standard, but we can design up to 1250°C (2282°F) on request

OPTIONAL EXTRAS

- Flexible metallic gaskets to increase sealing efficiency
- Sealing air for 100% tightness
- Rainwater drainage
- Mechanical locking
- Single or bidirectional fan systems
- Heaters

DRIVE OPTIONS

- Electric Actuator
- Pneumatic Actuator
- Hydraulic Actuator

Our References



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