



High-Temperature Pneumatic Flue Gas Valve

Basic Information

- Place of Origin: China
- Brand Name: FABIA
- Certification: ISO9001, CE, CCS, DNV
- Model Number: 1/8 inch 36 inch
- Minimum Order Quantity: 1 set
- Price: Negotiable
- Packaging Details: Cartons/Wooden cases
- Delivery Time: 15-30 work days
- Payment Terms: L/C, D/A, D/P, T/T, MoneyGram, Western Union
- Supply Ability: 100-1000 set per week



Product Specification

- Product Name: Pneumatic Industrial Butterfly Valve
- Valve Material: Stainless Steel
- Valve Type: Eccentric Butterfly Valve
- Valve Connection: Flange
- Valve Operation: Pneumatic
- Valve Application: Ventilation
- Valve Pressure: 150-300 PSI
- Valve Sealing: Soft Sealing
- Valve Size: 2-36 Inch
- Valve Temperature: 0-1000



More Images



Product Description

High-Temperature Flue Gas Butterfly Valve

The **High-Temperature Flue Gas Butterfly Valve** is an industrial valve specifically designed for high-temperature flue gas pipelines (such as those in metallurgy, power generation, and chemical industries). It controls or regulates the flow of high-temperature exhaust gases through a rotating disc. Its key features include:

1. High-Temperature Resistance

Constructed from materials like **310S stainless steel** or **high-temperature alloy 2520 (0Cr25Ni20)**, capable of enduring temperatures ranging from **425°C to 1350°C** (with momentary exposure up to **1600°C**).

Enhanced designs, such as **double water-cooling systems** or **refractory concrete linings**, further improve thermal resistance.

2. Seal & Structural Design

Triple-offset or quintuple-offset hard-seal design minimizes friction and ensures reliable sealing at high temperatures, with leakage rates $\leq 1.5\%$.

Anti-deformation features, such as "I-beam" reinforced discs and floating valve shafts, prevent jamming or cracking under extreme heat.

3. Actuation Methods

Available with **pneumatic (Pneumatic), electric (Electric), or manual** operation.

Electric/pneumatic actuators can be equipped with positioners for precise control (4-20mA signal input).

4. Applications

Metallurgy: Blast furnace gas, sintering exhaust pipelines.

Power Generation: Boiler flue gas, desulfurization/denitrification systems.

Chemicals/Cement: High-temperature dust-laden gas, steam regulation.

5. Common Issues & Solutions

Seal failure: Caused by deformation or wear at high temperatures—solution: Replace with high-temperature-resistant seals or hard-facing alloys.

Actuation jamming: Clean ash buildup or replace with deformation-resistant discs.

For detailed technical specifications (pressure ratings, diameter ranges), refer to product manuals or consult manufacturers.



Fabia Valve Industry (Suzhou) Co., Ltd.



+8618913247051/+8618912658215/+8618260178084



sales@fabia-china.com



fbballvalve.com

Room 1305, Building 3, Jundi Business Plaza, No.3, Weihua Road, Suzhou Industrial Park