



PTFE / EPDM Seal High Pressure KF100 High Vacuum Butterfly Valve For Manual Operation Scientific Research Instruments

Our Product Introduction

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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: Manual Vacuum Butterfly Valve
- Name: Vacuum Butterfly Valve
- Type: Vacuum Valve
- Temperature: High Temperature
- Vacuum: High Vacuum
- Pressure: High Pressure
- Material: Stainless Steel
- Seal: PTFE/EPDM
- Connection: Flanged
- Pressure Rating: 1000 Psi
- Size: 1/2-8
- Temperature Rating: 450°F
- Highlight: Manual Operation Butterfly Valve,
High Vacuum Butterfly Valve,
Scientific Research Instruments Butterfly Valve



More Images



Product Description

KF100 High Vacuum Butterfly Valve Manual Operation For Scientific Research Instruments

1. Description:

The vacuum butterfly valve is designed specifically for high and medium vacuum systems, using ISO-KF flange connections to ensure excellent sealing performance and fast opening and closing function. Suitable for clean and harsh environments such as semiconductors, photovoltaics, vacuum coating, and scientific research instruments, providing multiple driving modes including manual, pneumatic, and electric to meet different automation needs

2. Specification:

FABIA Valve Parameter List	
Valve type:	Vacuum ball valve Electric stainless steel valve
Size:	1/8 inch 8 inch
Material:	WCB,Q235B,2507,A105,CF8(304),CF8M(316),CF3M(316L),CF3(304L),PVC,ZG1Cr18Ni9Ti,ZG1Cr18Ni12Mo2Ti
Connection type:	Welded connection/flange connection/thread connection/clamp connection
Driving model:	Manual/Worm gear drive/Pneumatic/Electric
Pressure rating:	PN1.0 PN16,ANSI CLASS 150-900,JIS10-20K
Temperature:	-196 540
Model:	FB-Q.....

3. Features:

High vacuum compatibility: Suitable for pressure range of 10^{-4} Pa~0.1 MPa, with a leakage rate as low as $\leq 1 \times 10^{-6}$ Pa · m³/s.

Standardized flange: KF50 (DN50) interface, compatible with ISO-KF/NW50 flanges, easy to install.

Corrosion resistant material: The valve body is made of SS316 stainless steel, and the sealing can be selected from FKM or metal sealing (suitable for ultra-high vacuum).

Multiple driving modes: supports manual handle, pneumatic actuator (0.4~0.6MPa air source), and electric actuator (24VDC/220VAC).

Zero leakage design

-The precision machined valve plate and elastic sealing structure ensure the airtightness of the ultra-high vacuum system.

Long lifespan and durability

-SS316 stainless steel valve body+anti-aging seal, suitable for corrosive gases (such as Cl₂, O₂).

Quick response

-Pneumatic opening and closing time<1 second **, electric type supports 4-20mA signal control, seamlessly connected to PLC system.

Easy maintenance

-Modular design, sealing ring can be quickly replaced, reducing downtime

Attribute	Value
Product Name	Vacuum Butterfly Valve
Name	Vacuum Butterfly Valve
Type	Butterfly Valve
Temperature	High Temperature
Vacuum	High Vacuum
Pressure	High Pressure
Material	Stainless Steel
Seal	PTFE/EPDM
Connection	KF
Pressure Rating	1000 psi
Size	1/2 to 8 inches
Temperature Rating	450°F
Flow Direction	Bidirectional
Actuator Type	Electric
Standards	ANSI, ISO 9001
Control Type	On/Off or Modulating



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