

产品概述 Product Overview

蝶阀结构简单、体积小、重量轻，只由少数几个零件组成。而且只需旋转90°即可快速启闭，操作简单，同时该阀门具有良好的流体控制特性。蝶阀处于完全开启位置时，蝶板厚度是介质流经阀体时唯一的阻力，因此通过该阀门所产生的压力降很小，故具有较好的流量控制特性。蝶阀有弹密封和金属的密封两种密封型式。弹性密封阀门，密封圈可以镶嵌在阀体上或附在蝶板周边。应用范围冶金、轻工、电力、煤气、水道等领域。

The butterfly valve is simple in structure, small in volume and light in weight, and consists of only a few parts. The valve can be switched on and off quickly only by rotating 90 degrees. The operation is simple and the valve has good fluid control characteristics. When the butterfly valve is in full open position, the butterfly plate thickness is the only resistance when the medium flows through the valve body, so the pressure drop generated by the valve is very small, so it has better flow control characteristics. Butterfly valve has elastic seal and metal seal. Elastic sealing valve, sealing ring can be embedded in the valve body or attached to the butterfly plate. Its applications include metallurgy, light industry, electric power, gas, waterway and other fields.

产品特点 Product Features

- 1、优异的密封性能：硬密封三偏心蝶阀采用三维偏心原理设计，密封圈选用不锈钢制作，具有金属硬密封和弹性密封的双重优点，无论在低温和高温的情况下，均具有优良的密封性能，能够在高压、高温环境下保持良好的密封性能，减少泄漏风险。
- 2、长寿命：由于密封副的独特设计，阀门在开关过程中摩擦较小，减少了密封面的磨损，从而延长了阀门的使用寿命。
- 3、适用范围广：适用于各种流体介质，包括气体、液体，甚至是含有颗粒物的介质。这种特性使得它在石油、化工、冶金等行业中得到了广泛应用。
- 4、快速开关：相比于其他类型的阀门，三偏心蝶阀的开关速度较快，能够在紧急情况下迅速切断或开启流体通道，提高系统的安全性。
- 5、体积小、重量轻：相比于同规格的其他类型阀门，三偏心蝶阀的体积和重量都较小，便于安装和维护。
- 6、耐腐蚀性强：蝶阀密封圈采用不锈钢制作，具有耐腐蚀性强、弹性好的特点，能够在各种腐蚀性介质中保持良好的密封性能。
- 7、双向密封功能：金属硬密封蝶阀具有双向密封功能，安装时不受介质流向的限制，也不受空间位置的影响，可在任何方向安装。
- 8、驱动装置多样：驱动装置可以多工位（旋转90°或180°）安装，便于用户使用。
- 9、结构简单：硬密封蝶阀结构简单，体积小、重量轻，只需旋转90°即可快速启闭，操作简单，同时具有良好的流体控制特性。

1. Excellent sealing performance: The hard sealed three eccentric butterfly valve adopts a three-dimensional eccentric principle design, and the sealing ring is made of stainless steel, which has the dual advantages of metal hard seal and elastic seal. It has excellent sealing performance in both low and high temperature environments, and can maintain good sealing performance in high-pressure and high temperature environments, reducing the risk of leakage.
2. Long life: Due to the unique design of the sealing pair, the valve has less friction during the opening and closing process, reducing the wear of the sealing surface and extending the service life of the valve.
3. Wide applicability: Suitable for various fluid media, including gases, liquids, and even media containing particles. This characteristic has made it widely used in industries such as petroleum, chemical, and metallurgy.
4. Quick switch: Compared to other types of valves, the three eccentric butterfly valve has a faster opening and closing speed, which can quickly cut off or open the fluid channel in emergency situations, improving the safety of the system.
5. Small size and light weight: Compared to other types of valves of the same specifications, the three eccentric butterfly valve has a smaller volume and weight, making it easier to install and maintain.
6. Strong corrosion resistance: The butterfly valve sealing ring is made of stainless steel, which has the characteristics of strong corrosion resistance and good elasticity, and can maintain good sealing performance in various corrosive media.
7. Bidirectional sealing function: Metal hard sealed butterfly valves have bidirectional sealing function, which is not limited by the flow direction of the medium or the spatial position during installation, and can be installed in any direction.
8. Diverse driving devices: The driving device can be installed at multiple stations (rotating 90° or 180°), making it easy for users to use.
9. Simple structure: The hard sealed butterfly valve has a simple structure, small volume, and light weight. It can be quickly opened and closed by rotating 90°, with simple operation and good fluid control characteristics.

技术参数 Technical Parameter

公称通径 Nominal diameter	DN50-2000 NPS2"-80"
公称压力 Nominal pressure	PN16~PN420 Class150~2500
适用温度 Applicable temperature	-20~550°C
适用介质 Applicable media	水、污水、海水、空气、蒸汽、煤气、可燃气体、腐蚀性介质、油品及食品等 Water, sewage, seawater, air, steam, coal gas, combustible gases, corrosive media, oil products, and food, etc
传动方式 Transmission mode	手动、蜗轮、气动、电动、液动 Manual, Worm gear, Pneumatic, Electric, hydraulic

主要零部件材质 Materials of Main Parts

零件名称 Parts Name	材料 Material
阀体Body	铸钢、不锈钢Cast steel, stainless steel
蝶板Disc	铸钢、不锈钢及特殊材料Cast steel, stainless steel and special materials
密封圈Sealing Ring	不锈钢Stainless steel
阀杆Stem	铸钢、不锈钢及特殊材料Cast steel, stainless steel and special materials
填料Packing	四氟、柔性石墨PTFE, flexible graphite

以上资料仅供参考，具体参数以罗杰斯技术部规格书为标准。

The above information is for reference only, The specific parameters are based on the specifications provided by ROVV Technical Department.

