

产品概述 Product Overview

硬密封三偏心对夹式蝶阀其工作原理基于三偏心结构设计，即阀杆轴线、蝶板密封面和阀体通道轴线之间存在一定的偏置，使得蝶板在开启和关闭过程中与阀座之间不产生摩擦，而是直接压在阀座上，从而保证了阀门的密封性能和使用寿命。

The working principle of the hard sealed three eccentric pair clamp butterfly valve is based on the three eccentric structure design, that is, there is a certain offset between the valve stem axis, the butterfly plate sealing surface, and the valve body channel axis, so that the butterfly plate does not generate friction with the valve seat during the opening and closing process, but directly presses on the valve seat, thereby ensuring the sealing performance and service life of the valve.

产品特点 Product Features

- 三偏心结构：确保蝶板与阀座之间的无摩擦接触，提高密封性能和使用寿命。
- 金属硬密封：采用不锈钢等硬质材料制作密封圈，具有优异的耐腐蚀性和耐磨损性能。
- 多层次密封结构：进一步提高阀门的密封效果。
- 电动执行机构：操作灵活、省力、方便，不受介质压力影响。
- 对夹连接方式：安装简便快捷，适用于各种管道系统的连接需求。
- 双向密封性能：密封面锥角小于密封材料的磨擦角，蝶板关到密封位置时立即实现自锁，并能承受一定的反向压力冲击。

- Triple eccentric structure: ensures frictionless contact between the butterfly plate and the valve seat, improving sealing performance and service life.
- Metal hard seal: The sealing ring is made of hard materials such as stainless steel, which has excellent corrosion resistance and wear resistance.
- Multi level sealing structure: further improve the sealing effect of the valve.
- Electric actuator: flexible, labor-saving, convenient to operate, not affected by medium pressure.
- Clamp connection method: easy and fast installation, suitable for the connection needs of various pipeline systems.
- Bidirectional sealing performance: The cone angle of the sealing surface is smaller than the friction angle of the sealing material, and the butterfly plate immediately achieves self sealing when it is closed to the sealing position lock and able to withstand a certain amount of reverse pressure impact.



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 Part name	材料 Material
阀体 valve body	铸铁、不锈钢、铬钼钢、合金钢 Cast iron, stainless steel, Chrome-molybdenum steel, alloy steel
阀板 Valve plate	铬钼钢、合金钢、铸钢、不锈钢 Chrome-molybdenum steel, alloy steel, cast steel, stainless steel
密封圈 Seal ring	不锈钢与耐高温石棉板组合成多层次 Stainless steel and high temperature resistant asbestos board are combined into multiple layers
阀杆 The stem	2Cr13、1Cr13不锈钢、铬钼钢 2Cr13, 1Cr13 stainless steel, chromium molybdenum steel
阀杆 Bearing	奥氏体不锈钢、304氮化 Austenitic stainless steel, 304 nitriding
填料 filler	柔性石墨 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.