

蝶阀型号编制

Butterfly Valve Figure Number System

种类Type	标准Standard	驱动Drive	连接Connection	结构Style	密封Seal	材质Material
C-蝶阀	G-GB	0-手柄	3-法兰	1-中心式	X-橡胶	Z-铸铁
	A-API	1-蜗轮	4-对夹	2-双偏心	F-四氟	Q-球铁
	D-DIN	2-电动	5-焊接	3-三偏心	J-衬胶	C-铸钢
	J-JIS	3-气动	7-卡箍		H-合金钢	S-不锈钢
					W-不锈钢	Y-合金钢
					Y-硬合金	T-铜合金

蝶阀密封结构形式介绍

Introduction Of Seal Structure For Butterfly Valve

蝶阀的密封结构是蝶阀的最关键部分，密封结构的先进与否将直接关系到蝶阀的整体性能，关系到它的寿命与效果。

图尔阀门科研技术人员在有关科研院校的指导下，对蝶阀的密封结构作了长期不懈的研究与攻关，形成了美国图尔阀门独特的蝶阀密封结构，使图尔阀门生产的蝶阀始终处在高质量、高性能地地位，从而满足了客户对各种蝶阀的不同压力、不同介质、不同温度的特殊要求。

The structure of valve seal is the hinge whose advantage affects the integral property, service life and effectiveness.

Under guiding of scientific research university, our technicians made long-term research and tackling key problem to the seal, and set up our unique structure. Our butterfly valve always being high quality and performance meets clients'special requirements for different pressure, media and temperature.

一、层叠型金属硬密封式Laminated metal seal

1.层叠型金属硬密封是采用软硬层叠加的不锈钢组合片精制而成，具有金属硬密封和弹性软密封的双重优点，使其无论在低温或高温介质情况下蝶阀的密封性始终安全可靠。

2.阀体上的阀座密封面采用堆焊钴基硬质合金，抗磨耐蚀，延长蝶阀使用寿命。

3.由于采用三偏心结构，使阀座与蝶板几乎无磨损，蝶板越关密封越好，且操作省力、方便、灵活。

4.层叠型三偏心结构（见图一）：偏心“1”偏离密封面中心；偏心“2”偏离管道中心，其主要目的是减少阀座与密封件之间大约15°行程的摩擦；DHT系列蝶阀增加了一个独特偏心“3”（倾斜锥型），不仅是起到凸轮作用，而且几乎消除了在阀门启闭过程中密封件和阀座之间的各种结合摩擦，从而增加阀门的使用寿命。

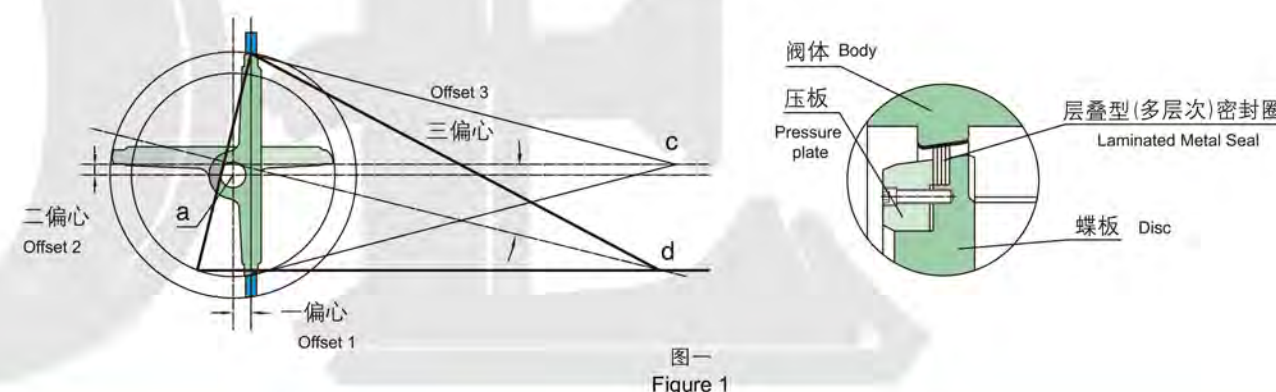
1. Laminated metal seal is composed of soft and hard stainless steel slices, with dual virtues of metal and resilient seal, so that valves always have safe and reliable seal properties either in low or high temperature.

2. Deposit welding cobalt base hard alloy heightens the performance of antifriction and anti-corrosion

and prolongs the service life.

3. Being adopted triple eccentric structure, the disc is hardly wear to seat, the disc is closed more tightly, the seal is better, thus the valve is easily, conveniently, and flexibly operated.

4. Struture of laminated metal, triple offset (see figure 1). Offset 1 denotes deviating from the centre of seal surface. Offset 2 is deviating from the centre of pipeline, mainly aiming at reducing friction caused by approximate 15° travel between seat and seal part. DHT series butterfly valve, adding a unique offset 3 (inclined cone) not only acts as function of cam, but also almost eliminates varied frictions resulted from seal parts and seat, so that the service life of valve is increased.



二、U型金属硬密封式U-type metal seal

1.U型金属硬密封蝶阀是图尔阀门采用优质不锈钢精制而成，具有良好的弹性与硬度，蝶阀在工作压力下蝶板趋向越来越紧，使密封性能更好。

2.蝶板采用椭圆形独特设计，当蝶板与U型阀座密封圈接触时，蝶板越关密封越好；当阀门开启时在三偏心结构的作用下，蝶板与阀座迅速即脱离，U型阀座密封圈恢复原状，从而防止了磨损，延长了使用寿命。

3.蝶板密封面采用堆焊钴基硬质合金或镀硬铬，能抗磨耐蚀，无论在低温或高温条件下均具有良好的密封效果。

4.蝶阀结构简单、紧凑、重量轻，易于安装与拆卸，维修方便。

5.U型三偏心结构（见图二）：偏心“1”偏离密封面中心；偏心“2”偏离管道中心，其主要目的是减少阀座与密封面之间大约15°行程的摩擦；DHT系列蝶阀又增加一个独特偏心“3”（椭圆形球面偏心），不仅起到凸轮作用，而且几乎消除了在阀门启闭过程中密封件与阀座之间的各种结合摩擦，形成可调节的线密封接触，起到多次密封的补偿作用，极大的延长了蝶阀的使用寿命。

1. U-type metal seal is finished by high quality stainless steel, with high elasticity and hardness. Under pressure, the disc is more tight, the seal is better.

2. Disc configuration is specially designed as ellipse. When disc contacts U-type metal seal, the disc is closed more tightly, the seal is better. When open the valve, under assistance of triple offset, the disc aparts from the seat quickly, and U-type ring restores primary state, thus prevents wear and prolongs service life.