

#### 闸阀特点 Characteristics of gate valve

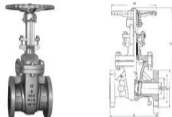
1. 产品设计符合美国标准ANSI B16.34, 英国标准符合API800/API600要求。  
The product design and manufacturing meet the U.S. national standard ANSI B16.34, API600 standard of American Petroleum Institute and API600.
2. 结构紧凑, 体积小, 刚性高, 安全可靠。  
The product is provided compact construction, small volume, fine rigidity and high security and reliability.
3. 关闭中(闸板)采用弹性结构, 在工作中能自动补偿由于非均匀性温度引起的弹性变形。因此, 密封可靠, 并且不会产生闸板腐蚀。  
The closing members (gate plate) adopt elastic structure that can make up automatically during service the valve body deformation as a result of abnormal load or temperature. Therefore, the sealing performance is reliable without blocking of gate plate.
4. 阀座为无应力阀座, 可以任意组合与其性能密封材料, 以满足工况要求, 使用寿命长。  
A valve seat could be replaceable and match sealing face material of closing members upon optional combinations, meeting work conditions with extended service life.

#### 采用标准 Applicable standards

设计标准 Design standard	API600/API600, JIS B2073-2083
结构长度 Structural length	ANSI B16.10, JIS B2002
配管法兰 Flange	ANSI B16.5, JIS B2212-2214
衬圈尺寸 Gasket size	ANSI B16.25
检验与认证 Testing and certification	API600/API600, JIS B2003
传动方式 Drive method	手动, 电动, 直传等 manual, electric, direct drive

#### 试压规范 Pressure test norms

压力等级或公称压力 Pressure rating or nominal pressure	壳体实验 Casing test		密封实验 (MPa) Sealing test	
	150Lb, PN2.0MPa	3.1	2.2	高压阀密封 低压气密封
300Lb, PN5.0MPa	7.8	5.6		
600Lb, PN10.0MPa	15.3	11.2		
	JIS10K	2.1	1.6	
	JIS20K	4.1	3.8	



#### 主要零件材料及性能规范

零件名称 Part name	材料 Material				
阀体 阀盖 Body/Nozzle Disc	ASTM A216	ASTM A351	ASTM A351	ASTM A351	ASTM A351
	WCB	CF8	CF8M	CF3	CF3M
阀杆 Stem	1Cr13	0Cr18Ni9	0Cr17Ni12Mo2	00Cr19Ni11	00Cr17Ni14Mo2
	F6a	304	316	304L	316L
上密封座 Upper seating seat	1Cr13(F6a) 本体 Principal				
闸板 密封座 Gate plate Seating seat	13Cr	13Cr	STL	STL	STL
	13Cr	STL	STL	STL	STL
填料 Filling	柔性石墨+Y5450P <200℃ 氟乙氧乙烷或聚四氟乙烯编织填料, >200℃ 柔性石墨+柔性石墨编织填料 Coated Teflon or woven fillers filling, nonfluorible graphite ring, woven flexible graphite filling				
垫片 Cushion	柔性石墨复合垫(石棉、镀锌或不镀锌)不锈钢带柔性石墨缠绕垫 Flexible graphite composite cushion core board, carbon steel or stainless steel flasket strip using flexible graphite wrapped cushion				
中法兰螺栓 Median flange bolt	35CrMo	0Cr18Ni9 ASTM A193 B8			
	ASTMA193 B7				
中法兰螺母 Median flange nut	45	0Cr18Ni9 ASTM A194 B8			
	ASTMA194 2H				
阀杆螺母 Stem nut	ZCuAl10Fe3 ASTM A439 D-2				
手轮 Hand wheel	可锻铸铁、铸钢铸铁、铸铝 Forgable cast iron, uphosphated cast iron, cast steel				
适用 工况 适用温度 Temp. service condition	水、蒸汽、油品等 Water, steam, petroleum etc.	磷酸等腐蚀性介质 Phosphoric acid etc.	硫酸等腐蚀性介质 Sulfuric acid etc.	强氧化性介质 Strong oxidizing medium	尿素等腐蚀性介质 Urea etc. corrosive medium
适用 压力 适用温度 Temp. service condition	-29~425	-60~200	-40~250(请向厂家索取详细资料或向厂家询价) -40~250(Please specify to your purchase order if the temperature scope will be exceeded.)		

注: 如法兰密封面采用凸面以外的型式, 请在订货时注明。  
Note: Please specify to your purchase order if flange-sealing face has types other than convex.

#### 主要外形尺寸及连接尺寸 Key external dimensions and connection dimensions Z40H (Y, W)

规格 Class	公称直径(DN) Nominal bore diameter		凸面法兰(RF)连接尺寸 Key connection dimension of convex flange (RF)					Z40H新尺寸 Z40H external dimension		
	in	mm	L	D	D1	D2	b	Z-9-F	H(总高) (Total height)	W
150Lb	1	25	127	108	79.5	51	15	4-16	200	120
	1 1/4	32	140	117	89	64	16	4-16	235	140
	1 1/2	40	165	127	98.5	73	18	4-16	285	180
	2	50	178	152	120.5	92	20	4-19	409	200
	2 1/2	65	190	178	139.5	105	23	4-19	450	260
	3	80	203	190	152.5	127	24	4-19	570	250
	4	100	229	229	190.5	157	24	8-19	590	250
	5	125	254	254	216.0	186	24	8-22	725	250
	6	150	267	279	241.5	216	26	8-22	630	300
	8	200	292	343	298.5	270	29	8-22	960	350
	10	250	330	406	362	324	31	12-25	1158	400
	12	300	356	483	432	381	32	12-25	1378	450
	14	350	381	533	476.5	413	35	12-29	1543	500
	16	400	406	597	539.5	470	37	16-29	1738	600
	18	450	432	635	578	533	40	16-32	1959	600
	20	500	457	698	635	584	43	20-32	2214	680
24	600	508	813	749.5	692	48	20-35	2599	760	

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