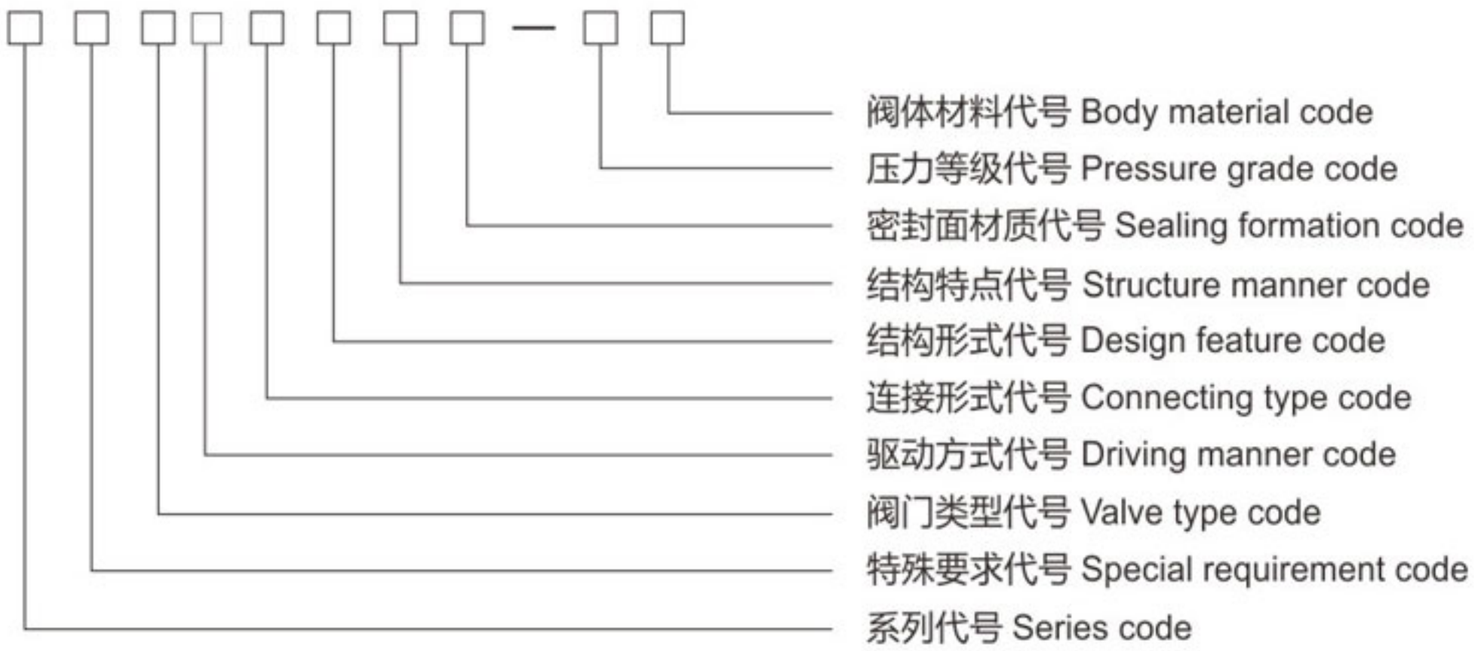
Flat-Plate Gate Valve

• 平板闸阀

型号编制说明 Model Schedule Illustration



特殊要求代号：K—抗硫型L—调节型ZB—自动补偿

阀门类型代号：Z—闸阀

驱动方式代号：4—正齿轮传动5—伞齿轮传动6-气动6s-气动带手动7—液动9—电动(手轮传动略)9e-防爆电动

连接形式代号：4—法兰连接6—对焊连接

结构形式代号：3—明杆平行式单闸板4—明杆平行式双闸板

结构特点代号：W—无导流孔(有导流孔省略)P—轻型

密封面材质代号：Y—硬质合金H—合金钢D—渗氮钢F—增强聚四氟乙烯

压力等级代号：公称压力为MPa的10倍、磅级为实际数

阀门材料代号：C—WCB　I—WC6, ZG1Cr5Mo　V—WC9, ZG20CrMoV　P—CF8, ZG1Cr18Ni9Ti
R—CF8M, ZG1Cr18Ni12Mo2Ti　S—CF3　L—CF3M　F—LCB N—LC3

例1: Z543WF-16C

注释：公称压力为1.6MPa, 伞齿轮传动、法兰连接、无导流孔、明杆平行式单闸板闸阀，阀体材质为WCB, 密封面材质为增强聚四氟乙烯。

例2: KZ9B44Y-150Lb

注释：压力等级为Class150, 防爆电动、法兰连接、有导流孔、抗硫明杆平行式双闸板闸阀，阀体材质为WCB, 密封面材质为硬.质合金。

Special requirement code: K—Antisulphur model L—Adjustment type ZB—Auto compensation

Valve type code: Z—Gate valve

Driving manner code: 4—Spur gear transmission 5—Bevel gear transmission 6—Air driving 6s—Take pneumatically manually 7—Hydrodynamic driving 9—Electric driving (Hand wheel driving omitted) 9B—Explosion electric driving

Connecting type code: 4—Flange-connecting 6—Butt welding connecting

Design feature code:3—Rising-stem parallel single-disc 4—Rising-stem parallel double-disc

Structure manner code: W—Non-diversion hole type (Diversion hole type omitted) P—Light-duty

Sealing formation code: Y—Hard alloy H~Alloy steel D~Nitriding steel F—Intensified polytetrafluoroethylene(PTFE)

Pressure grade code: The 10 times of the nominal pressure MPa, pound grade io practical number

Body material code: C—WCB　I—WC6, ZG1Cr5Mo　V—WC9, ZG20CrMoV　P—CF8, ZG1Cr18Ni9Ti　R—CF8M, ZG1Cr18Ni12Mo2Ti
S—CF3　L—CF3M　F—LCB　N—LC3

Example1:Z543WF-16C

Denoting 1.6MPa nominal rating pressure, bevel gear transmission, flange-connecting, nondiversion hole, Rising-stem parallel single-disc, WCB valve body material and the Intensified polytetrafluoroethylene(PTFE) as sealing material.

Example2: KZ9B44Y-150Lb

Denoting Class150 pressure grade, explosion electric driving, flange-connecting, diversion hole type, antisulphur rising-stem parallel double-disc gate valve, WCB valve body material and the hard alloy sealing material.

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产品结构特点 Products Design Features

1. 阀体有铸造和焊接两种结构。

2. 阀座采用O形密封圈密封和施加预紧力的浮动阀座结构，使阀门进出口双向密封；并且该结构的启闭力矩仅为普通阀门的1/2，能达到轻松开/关阀门。

3. 修阀座采用密封面上镶嵌PTFE, 具有PTFE对金属和金属对金属的双重密封，PTFE密封面同时清除闸板脏物的作用。

4. 金属对金属密封的阀门，阀体外部设有注油脂结构，油脂通过注脂器、阀座进入阀门密封面，使阀门达到零泄漏。

5. 带导流孔阀门的闸板，无论是全开或是全关始终与密封面吻合，密封面得到保护不受介质直接冲刷，从而延长使用寿命。

6. 阀门在全开时，通道平滑为直线，流阻系数极小，无压力损失，可通毛球清扫管线。

7. 本阀门采用带自密封能力的填料结构，无需经常调节，开/关极为轻便，且密封性可靠，填料函处设有辅助密封油脂注入结构，密封性能绝对可靠，真正达到零泄漏；解决了通用阀门填料处最容易外漏的弊病。

8. 阀门关闭时能自动卸掉内腔高压(详见工作原理图)，保证使用安全。

9. 全封闭结构，防护性能好，可适应全天候要求。

10. 阀门设有指示杆或观察窗以表示阀门的启闭情况。

1. Cast and weld two structures with the body

2. The seat ring uses the floating seat ring structure with o-seal ring sealed and pre-tightening force applied to have inlet and outlet dual-way sealed; and the open-close moment with this structure is 1/2 that of the common valves only, able to lightly open and close valves.

3. The seat ring uses the sealing face inlaid with PTFE, so has dual seals of PTFE to metal and metal to metal, the PTFE sealing face also acts as removing the dirt on the wedge disc.

4. For the valve with the metal to metal seal, there is grease injector outside of it, grease gets into the sealing face through the injector and the seat ring to have the valve up to null leak.

5. The wedge disc of the valve with flow guide hole is always fitted with the sealing face whether in full open or full close status to have the sealing face protected without being directly eroded by the medium so as to extend the duration.

6. When fully opened, the valve's channel is smooth and linear, with an extremely small flow resisting coefficient and no pressure loss, and the pipe-line can be cleaned with hair-ball through it.

7. This valve uses the packing structure with the ability of self-seal, needs no constant adjustment, features very light open and close and a reliable seal. An assisting sealing grease injection structure is set in the packing to have the sealing performance absolutely reliable and get a true null leak, settling the problem for the packing place of universal valves to be easiest leak outward.

8. Automatic removal of the high pressure in the internal cavity when the valve is about to close (see the working principle diagram for the details) so as to ensure safety.

9. Fully sealed structure leaves a good protective property, suitable for the requirement of 24-hour duty.

10. An indication rod or viewing window is set with the valve to show the open-close condition.

产品性能规范 Products Performance Specification

压力等级 Pressure		常温试验压力(MPa) Testing pressure at constant temperature (Mpa)				适用温度 Applicable temperature	适用介质 Applicable medium	
		壳体试验 The shell testing	左密封 The left sealing	右密封 Right sealing	低压气密封 Low pressure air tightness		普通型 Ordinary type	抗硫型 Anti sulphur type
公称压力 (MPa) Nominal rating pressure (PN)	**1.6**	2.4	1.76	1.76	0.6	-29~121°C 或按用户要求	石油、天然气、水等非腐蚀性介质	含H_2S、CO_2的石油、天然气、水等腐蚀性介质
	2.5	3.75	2.75	2.75	0.6			
	4.0	6.0	4.4	4.4	0.6			
	6.4	9.6	7.04	7.04	0.6			
	10.0	15.0	11.0	11.0	0.6			
	16.0	24.0	17.6	17.6	0.6			
磅级(Lb) Pound grade (Class)	**150**	3.0	2.2	2.2	0.6	-29~121°C or upon the user requirement	Petroleum, natural gas.water etc.non-corrosive media	Petroleum,natural gas, water etc, containing H_2S, CO_2 corrosive media
	300	7.5	5.5	5.5	0.6			
	600	15.0	11.0	11.0	0.6			
	900	22.5	17.5	17.5	0.6			

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工作原理 Working Principle

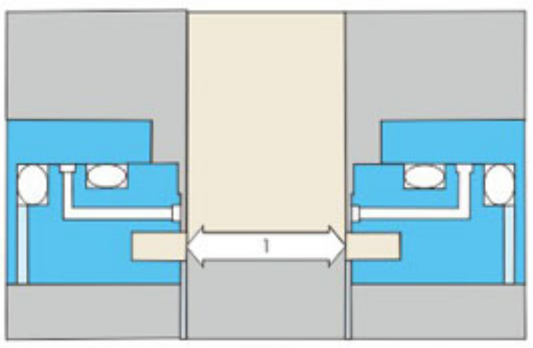

图1

1. 阀门内部压力相当时(1), 闸板处于闭合状态，阀座表面PTFE密封环形成初始密封，每次阀门开或关时，阀座圈能清洁闸板两侧。(如图1)

With equal pressure throughout the valve (and the gate in closed position), and initial seal (1) is formed with the raised PTFE ring on the faces of the seats. (The seat-inserts clean both sides of the gate each time the valve is opened or closed)

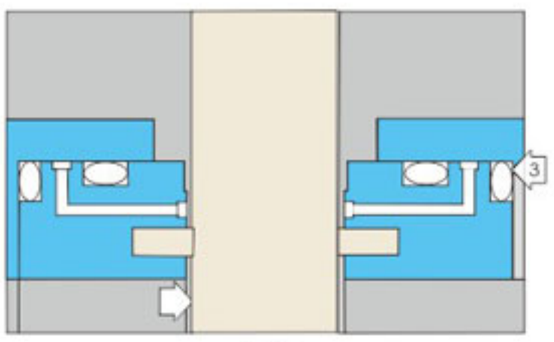

图2

2. 对阀门施加管道压力时(2)，压力作用于闸板，迫使它贴近出口阀座上的PTFE环，压缩它直到闸板停在钢制阀座上，这样就形成了双重密封，首先是PTFE对金属密封，然后是金属对金属密封，阀座也被牢固地推到凹槽，在这一点(3), O形圈阻止任何后部介质流。(如图2)

As line pressure (2) is applied to the valve, it acts on the gate, forcing it against the PTFE ring on the downstream seat, compressing it until the seat against the steel seat. Thus, a double seal is formed...first, a PTFE-to-metal seal; then, metal-to-metal. The seat is also forced firmly into its recess. The O-ring (3) prevents any downstream flow at this point.

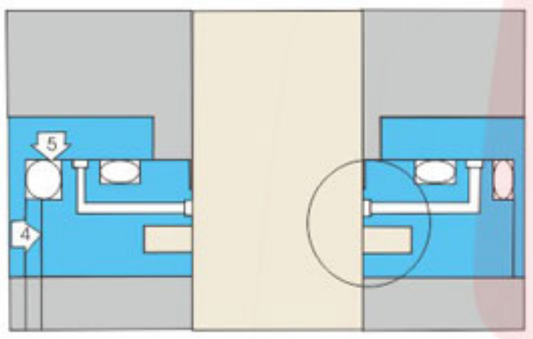

图3

3. 阀腔压力泄放后，形成进口密封，管道压力作用于进口阀座(4)，使其移向闸板，这时形成PTFE对金属的密封，同时，O形圈(5)与阀座凹槽形成紧密的密封。(如图3)

Upstream seal is provided when valve cavity pressure is bled off. This is caused by the force of line pressure acting against the upstream seat (4) moving the seat against the gate and providing a tight PTFE-to metal seal at this point. At the same time, the O-ring (5) forms a tight seal with the seat recess.

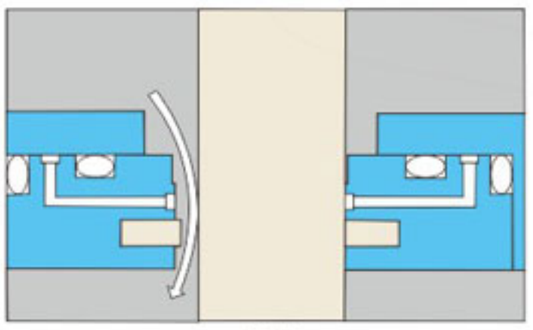

图4

4. 阀门自动泄放多余的压力，当阀腔压力大于管道压力时，由于热膨胀，进口阀座推向凹槽，阀腔内多余的压力在阀座与闸板之间泄放到管道中。(如图4)

Valve automatically relieves itself of excessive valve cavity pressure. When valve cavity pressure exceeds line pressure...from such causes as thermal expansion...the upstream seat is forced back into its recess and the excess pressure in the valve cavity is bled between the seat and the gate into the line.

产品主要参数 Main Parameter Of The Products

基本型号 Serial models	**SY(K)Z43WF、SY(K)Z43WY、SY(K)Z43WD、SY(K)Z44WF、SY(K)Z44WY、SY(K)Z44WD SY(K)Z543WF、SY(K)Z543WY、SY(K)Z543WD、SY(K)Z544WF、SY(K)Z544WY、SY(K)Z544WD SY(K)Z643WF、SY(K)Z643WY、SY(K)Z643WD、SY(K)Z644WF、SY(K)Z644WY、SY(K)Z644WD SY(K)Z943WF、SY(K)Z943WY、SY(K)Z943WD、SY(K)Z944WF、SY(K)Z944WY、SY(K)Z944WD**			
压力等级范围 Pressure grade range	PN1.6~15.0MPa			Class150~900
通径范围 Drift diameter range	DN25~ 1000mm			1"~40"
驱动方式 Driving manner	手轮驱动 Hand wheel driving			齿轮动、气动、液动、电动 Gear driving, air-operating, hydrodynamic driving and electric driving
适用范围 Scope of application	Class150~300 (PN1.6-4.0)	Class400 (PN6.4)	Class600~900 (PN10.0-15.0)	Class150~900
	1"~40" (DN25~ 1000mm)	1"~28" (DN25-700mm)	1"-12" (DN25-300mm)	1"~4" (DN25~1000mm)

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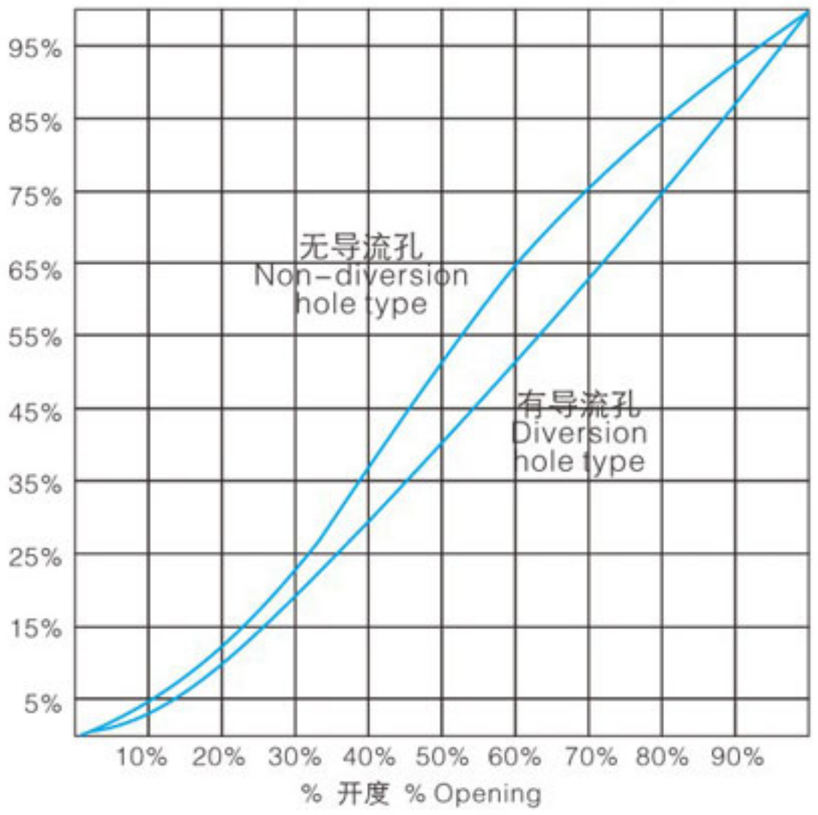
流量特性分析

带导流孔的平板闸阀，其流量特性等同于同规格的管道，呈等百分比特性，不带导流孔的平板闸阀，其中腔跨度较楔式闸阀小，且属于规则的圆柱体，所以，基本上除压力损失较带导流孔的大外，其余特性基本接近。不带导流孔调节型的平板闸阀其对流量的调节特性优于普通不带导流孔的平板闸阀。

Flow Charalteristic

The flow characteristic of flat gate valves with a diversion hole is equal to that of pipelines of thesame specification. The characteristic is shown in per centum form. As for valves without a diversion hole, its cavity fly span is smaller than that of wedge gate vales and it is a regular cylindrical object,therefore.characteristics of the valves are similar except that they have a larger pressure loss.Besides, their flux adjustment behavior is better than that of the ones with a deversion hole.



阀门开度—Cv特性曲线表
Valve-opening—Cv characteristic graph

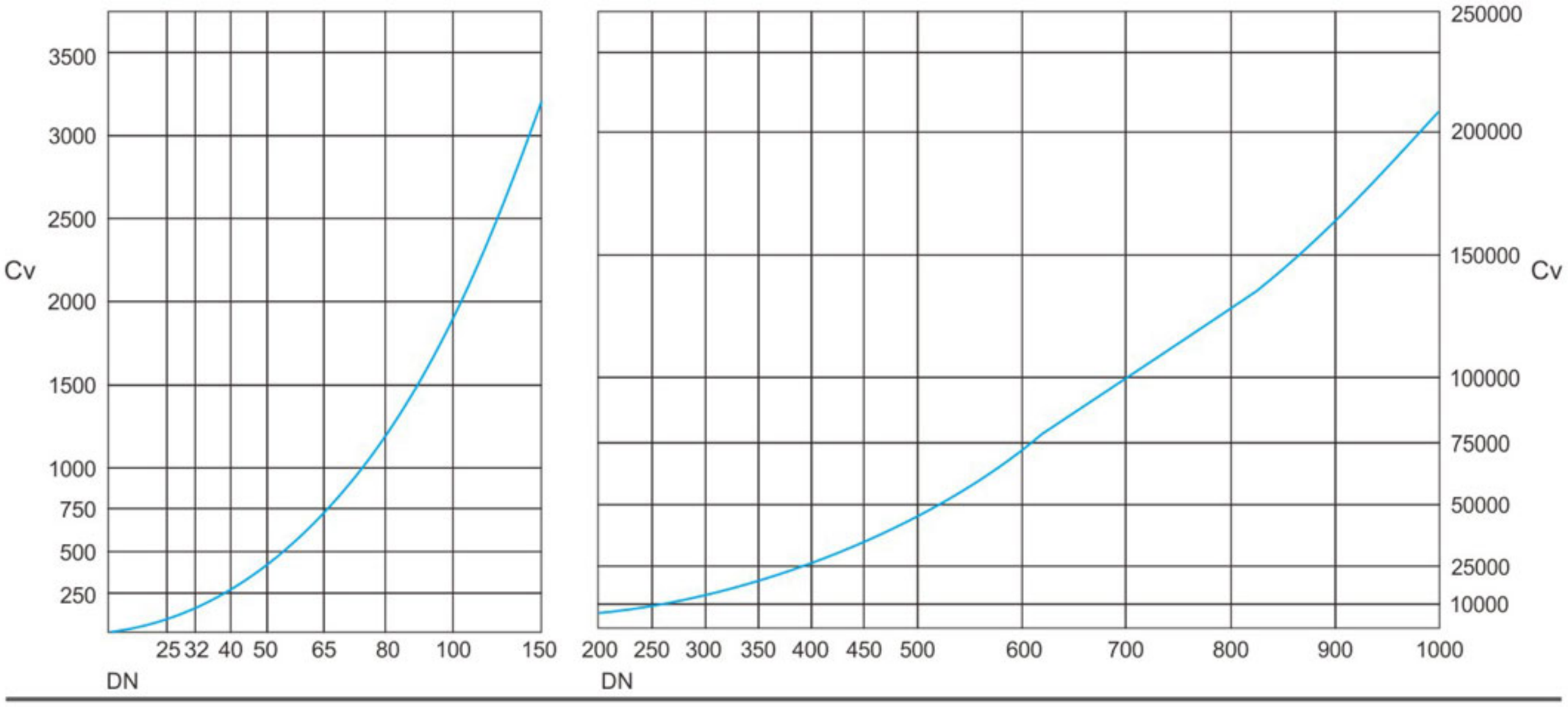
各类型闸板外形图 Outside Drawing Of Different Types Of Shutter

普通型闸板
Ordinary type

调节型闸板
Adjustment type

带导流孔型闸板
Type a diversion hole

带导流孔型平板闸阀的 DN—Cv曲线图 DN - Cv Graph Of Flat Valves With A Diversion Hole



Auto Compensation Balanced Double Parallel Gate Valve

• 自动补偿平衡式双平板闸阀

产品结构特点 Products Design Features

自动补偿平衡式双平板闸阀是一种结构新颖的闸阀产品，它具有启闭力矩小、速度快、振动小、使用寿命长、操作安全可靠等特点，主要用于气、液体输送管道的切断或泄放。

Auto compensation balanced double parallel gate valve is a product with new structure, which has small open-and-close moment, high speed, little vibration,long performance life and reliable operation.It is mainly applied to cut-off or discharge of gas and liquid delivery pipelines.

系列平行式双闸阀结构特点 The Structural Features Include

1. 阀门采用两块互相平行的闸板及其楔紧装置组成的密封结构取代传统的楔式闸阀结构。
2. 阀门密封机构各零件互相分离，即使在温度变化时引起变形也仍能保证密封，且不会因高温膨胀而使闸板挤住打不开。
3. 阀门密封采用耐磨、耐腐蚀材料制成，延长了阀门的使用寿命。
4. 在高温、高压情况下，进口一侧闸板设计为可泄压方式，防止由于温度变化而引起的腔内压力异常升高的现象，保证使用安全。
5. 全封闭结构，防护性能好，可全天候使用。

1. A sealing structure consists of two parallel shutters and a wedge-tightening device it is taken to replace the traditional wedg eshaped gate valve structure;
2. The components of valve sealing mechanism are separated so the sealing can retain when transmuting caused by the tem perature changes,and will not jam where swelling in high temperature;
3. The sealing surface of the valve adopts abrasion-resistant and anti-corrosive materials which can lengthen the performance life of the valve;
4. In high temperature or pressure,the disc on inlet side can be designed in pressure relief style which can avoid abnormal pressure rising in cavity caused by temperature changes.thus to ensure used safety.
5. The valve adopts full-shut structure which has good protection function and can be used in all weather.

产品主要参数 Main Parameter Of The Products

基本型号 Serial models	SY(K)Z44WH(Y)、SY(K)Z544WH(Y)、SY(K)Z644WH(Y)、SY(K)Z744WH(Y)、SY(K)Z944WH(Y) SY(K)Z64WH(Y)、SY(K)Z564WH(Y)、SY(K)Z664WH(Y)、SY(K)Z764WH(Y)、SY(K)Z964WH(Y)			
压力等级范围 Serial models	PN1.6~10.0MP			Class150~600
通径范围 Drift diameter range	DN50~1000mm			2"~40"
驱动方式 Driving manner	手轮驱动Hand wheel driving			齿轮动、电动、液动、气动 Gear driving,air-operating,hydrodynamic driving and electric driving
适用范围 Scope of application	Class150~300 (PN1.6~4.0)	Class400 (PN6.4)	Class600 (PN10.0)	Class150~900
	2"~6" (DN50~150mm)	2"~4" (DN50~100mm)	2"~3" (DN50~80mm)	4"~36" (DN100~900mm)

注：本公司可根据用户要求提供产品。Notes: Our company can provide products at customres'request.

产品性能规范 Products Performance Specification

压力等级 Pressure		常温试验压力(MPa) Testing pressure at constant temperature (Mpa)				适用温度 Applicable temperature	适用介质 Applicable medium	
		壳体试验 The shell testing	左密封 The left sealing	右密封 Right sealing	低压气密封 Low pressure air tightness		普通型 Ordinary type	抗硫型 Antisulphur type
公称压力(MPa) Nominal rating	**1.6**	2.4	1.76	1.76	0.6	-29~121°C 或按用户要求 -29 ~121°C or upon the user requirement	石油、天然气、水等非腐蚀性介质 Petroleum, naturalgas, wateretc.non-corrosive media	含H2S, CO_2 的石油、天燃气、水等腐蚀性介质 Petroleum, natural gas, water etc, containing H2S, CO2 corrosive media
	2.5	3.75	2.75	2.75	0.6			
	4.0	6.0	4.4	4.4	0.6			
	6.4	9.6	7.04	7.04	0.6			
	10.0	15.0	11.0	11.0	0.6			
磅级(Lb) Pound grade	**150**	3.0	2.2	2.2	0.6			
	300	7.5	5.5	5.5	0.6			
	600	15.0	11.0	11.0	0.6			

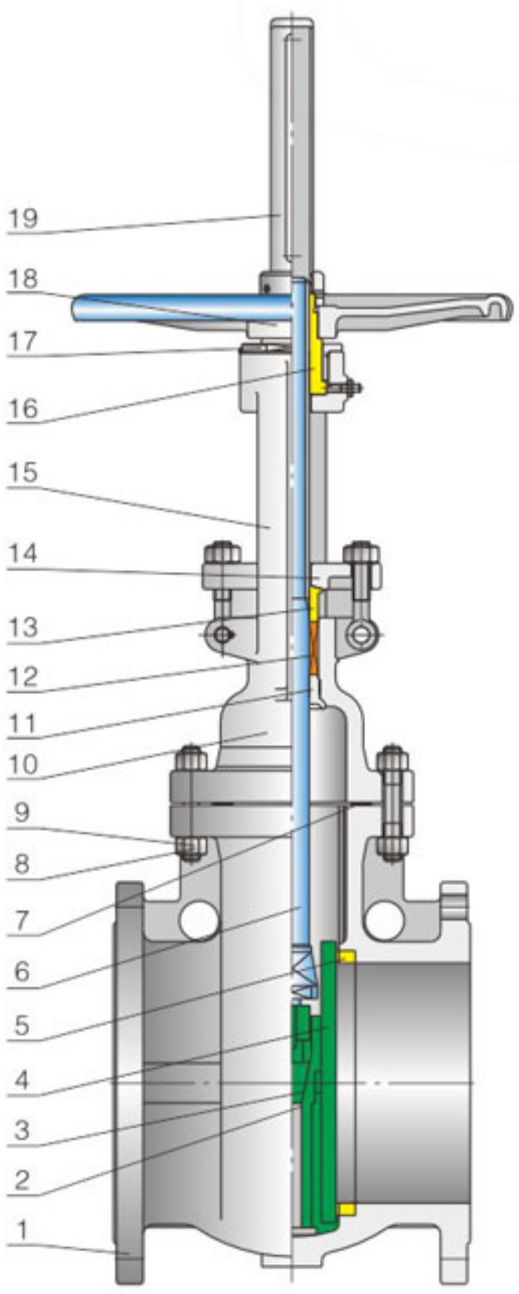
Auto Compensation Balanced Double Parallel Gate Valve

• 自动补偿平衡式双平板闸阀

产品采用标准 Technical Specification

设计依据 Design reference		GB	API
设计标准 Design standard		JB/T5298 GB/T19672	API 6D ASME B 16.34
结构长度 Structural length	法兰 Flanged	GB/T 12221 GB/T19672,JB/T 5298	API 6D ASME B 16.10
	焊接 Weided connection	GB/T15188.1 GB/T19672	
连接法兰 Flange ends		GB/T9113 GB/T 79	ASME B 16.5 MSS SP44
对焊端 Butt-weldingends		GB/T 12224	ASME B 16.25
试验和检验 Teat & inspection		GB/T 9092	API 6D API 598

注:阀门连接法兰尺寸可根据要求设计制造。
Note: The sizes of valve connecting flange can be designed according to customers'requirement.



主要零件材料 Major Parts Material Form

序号 No.	零件名称 Part name	材料 Materia			
		普通型 Ordinary type		抗硫型 Antisulphur type	
		GB	ASTM	GB	ASTM
1	阀体Body	WCB	A216-WCB	WCB	A216-WCB
2	闸板架Disc frame	WCB	A216-WCB	WCB	A216-WCB
3	楔块 Wedge block	WCB+STL	A216-WCB+STL	WCB+STL	A216-WCB+STL
4	闸板Disc	25+STL	A105+STL	1Cr18Ni9+STL	A276-304+STL
5	阀座Seat	25+STL	A105+STL	1Cr18Ni9+STL	A276-304+STL
6	阀杆Stem	2Cr13	A276-410	1Cr18Ni9	A276-304
7	垫片Gasket	柔性石墨 Graphite+1Cr18Ni9	柔性石墨 Graphite+1Cr18Ni9	柔性石墨 Graphite+1Cr18Ni9	柔性石墨 Graphite+1Cr18Ni9
8	螺柱Stud	35CrMoA	A193-B7	35CrMoA	A193-B7
9	螺母Nut	35	A194-2H	35	A194-2H
10	阀盖Bonnet	WCB	A216-WCB	WCB	A216-WCB
11	上密封座Back seat	1Cr13	A276-410	1Cr18Ni9	A276-304
12	填料 Packing	柔性石墨 Graphite	柔性石墨 Graphite	柔性石墨 Graphite	柔性石墨 Graphite
13	填料压套 Packing sleeve	2Cr13	A276-420	2Cr13	A276-420
14	填料压盖 Gland Packing	WCB	A276-WCB	WCB	A276-WCB
15	支架Yoke	WCB	A216-WCB	WCB	A216-WCB
16	阀杆螺母Stem nut	ZQA19-4	C95500	ZQA19-4	C95500
17	压盖Gland	25	A105	25	A105
18	手轮 Hand wheel	QT400-17	A536-60-40-18	QT400-17	A536-60-40-18
19	指示罩 Indicating cover	25	A105	25	A105

注:阀门主要零部件材质可根据实际工况条件或用户特殊要求设计选用。
Notes: The major parts of the valves can be designed and selected according to actual work condition or customers' specific requirement.

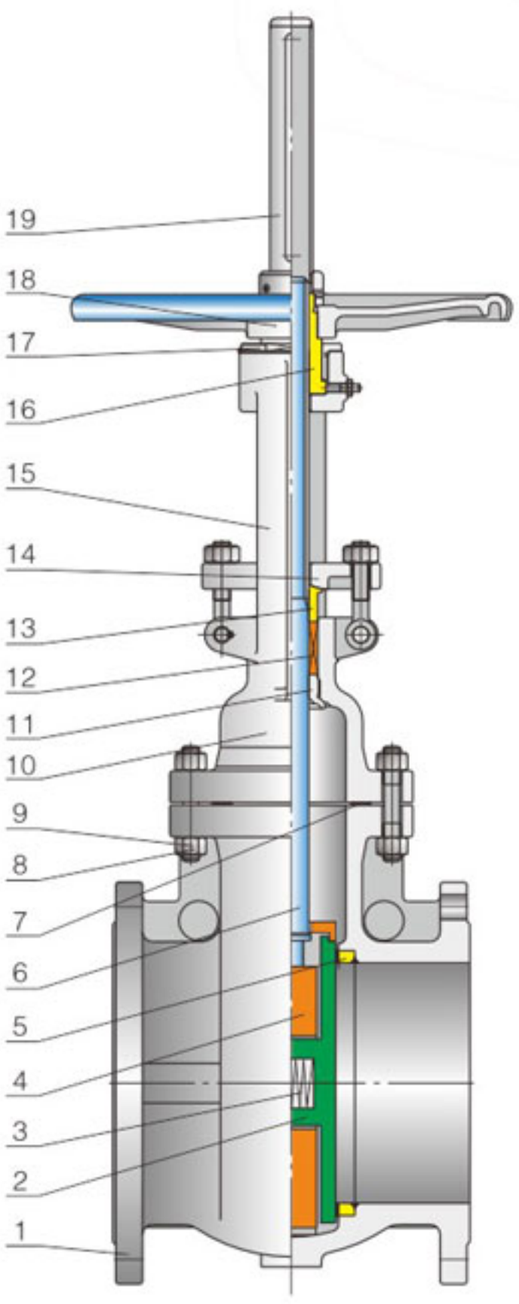
Double-disc Parallel Gate Valve

• 双闸板平板闸阀

产品采用标准 Technical Specification

设计依据 Design reference		GB	API
设计标准 Design standard		JB/T5298 GB/T19672	API 6D ASME B 16.34
结构长度 Structural length	法兰 Flanged	GB/T 12221 GB/T19672,JB/T 5298	API 6D ASME B 16.10
	焊接 Weided connection	GB/T15188.1 GB/T19672	
连接法兰 Flange ends		GB/T9113 GB/T 79	ASME B 16.5 MSS SP44
对焊端 Butt-weldingends		GB/T 12224	ASME B 16.25
试验和检验 Teat & inspection		GB/T 9092	API 6D API 598

注:阀门连接法兰尺寸可根据要求设计制造。
Note: The sizes of valve connecting flange can be designed according to customers'requirement.



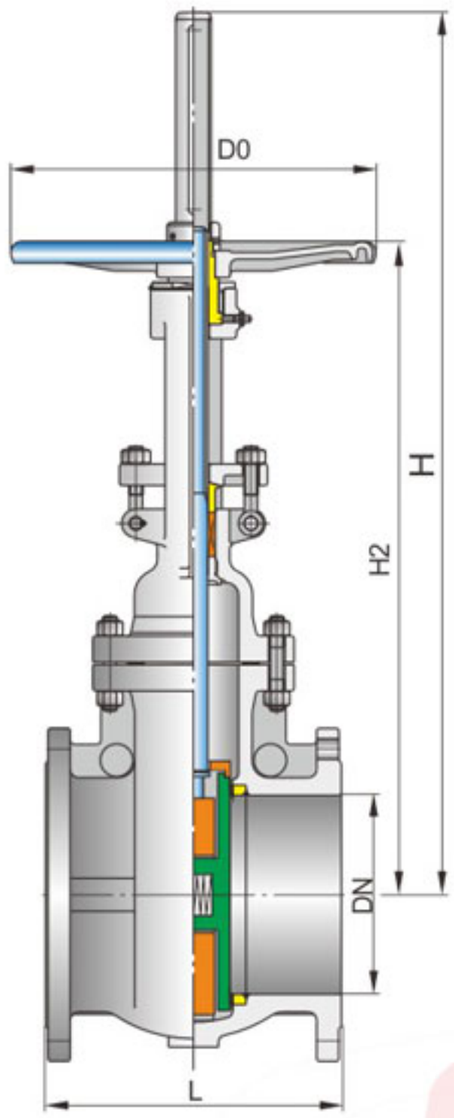
主要零件材料 Major Parts Material Form

序号 No.	零件名称 Part name	材料 Materia			
		普通型 Ordinary type		抗硫型 Antisulphur type	
		GB	ASTM	GB	ASTM
1	阀体Body	WCB	A216-WCB	WCB	A216-WCB
2	闸板架Disc frame	WCB	A216-WCB	WCB	A216-WCB
3	弹簧Spring	inconel x-750	inconel x-750	inconel x-750	inconel x-750
4	闸板Disc	25+STL	A105+STL	1Cr18Ni9+STL	A276-304+STL
5	阀座Seat	25+STL	A105+STL	1Cr18Ni9+STL	A276-304+STL
6	阀杆Stem	2Cr13	A276-410	1Cr18Ni9	A276-304
7	垫片Gasket	柔性石墨 Graphite+1Cr18Ni9	柔性石墨 Graphite+1Cr18Ni9	柔性石墨 Graphite+1Cr18Ni9	柔性石墨 Graphite+1Cr18Ni9
8	螺柱Stud	35CrMoA	A193-B7	35CrMoA	A193-B7
9	螺母Nut	35	A194-2H	35	A194-2H
10	阀盖Bonnet	WCB	A216-WCB	WCB	A216-WCB
11	上密封座Back seat	1Cr13	A276-410	1Cr18Ni9	A276-304
12	填料 Packing	柔性石墨 Graphite	柔性石墨 Graphite	柔性石墨 Graphite	柔性石墨 Graphite
13	填料压套 Packing sleeve	2Cr13	A276-420	2Cr13	A276-420
14	填料压盖 Gland Packing	WCB	A276-WCB	WCB	A276-WCB
15	支架Yoke	WCB	A216-WCB	WCB	A216-WCB
16	阀杆螺母Stem nut	ZQA19-4	C95500	ZQA19-4	C95500
17	压盖Gland	25	A105	25	A105
18	手轮 Hand wheel	QT400-17	A536-60-40-18	QT400-17	A536-60-40-18
19	指示罩 Indicating cover	25	A105	25	A105

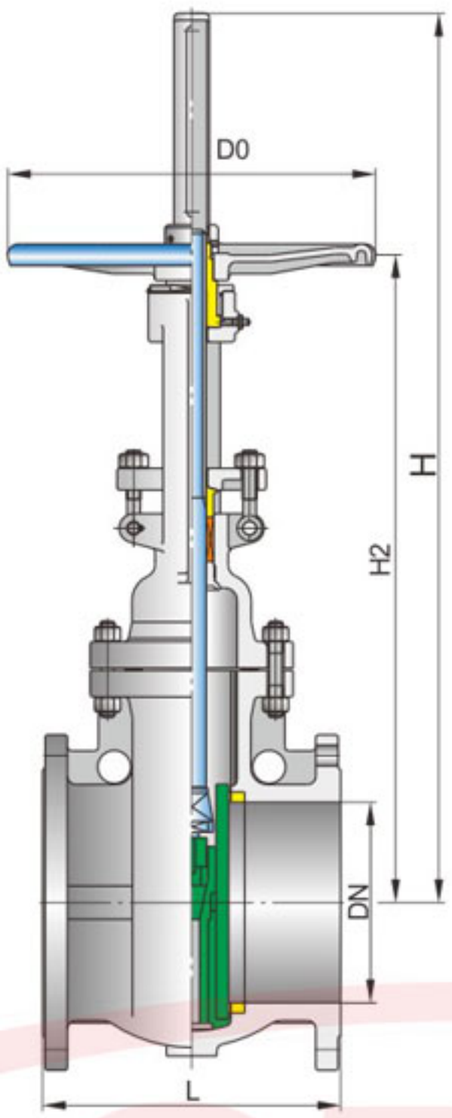
注:阀门主要零部件材质可根据实际工况条件或用户特殊要求设计选用。
Notes: The major parts of the valves can be designed and selected according to actual work condition or customers' specific requirement.

Auto Compensation Balanced Double Parallel Gate Valve

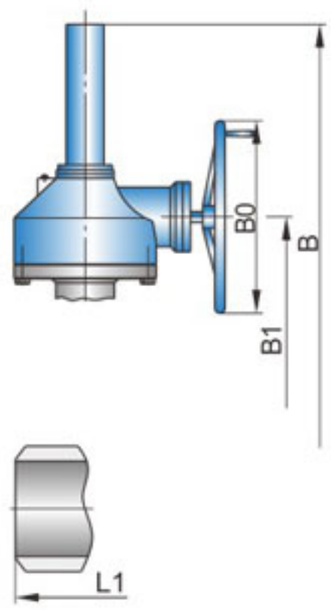
• 自动补偿平衡式双平板闸阀

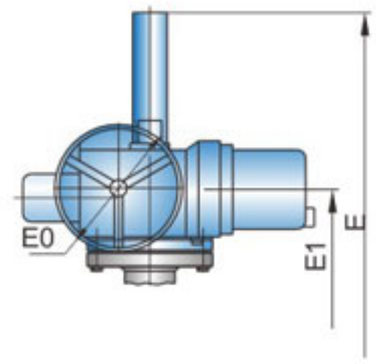


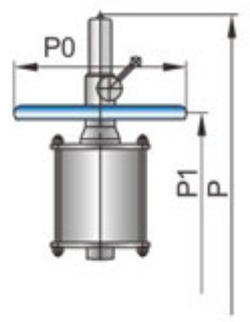
双闸板平板闸阀
Double-Disc Parallel Gate Valve



自动补偿平衡式双平板闸阀
Auto Compensation
Balanced Double ParallelGate Valve







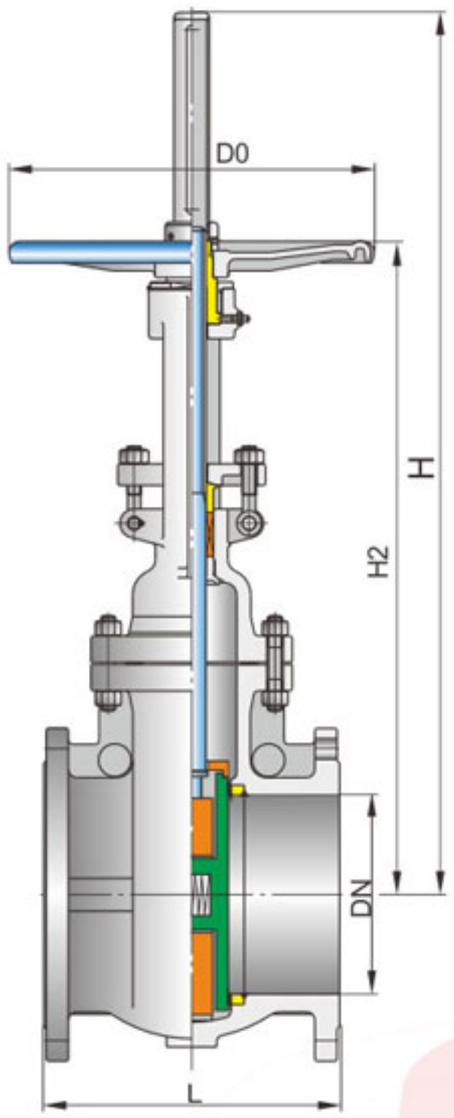
主要外形尺寸 Main Size Of Outside

型号Model:(K)Z5(6,9)4(6)4W(F,Y,D)PN1.6,2.5MPa PN2.0MPa(Class150)

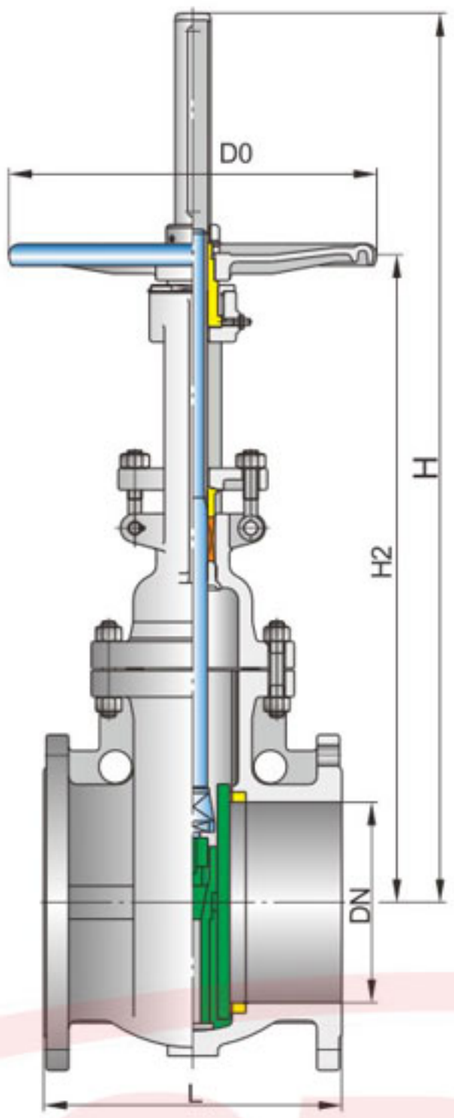
DN (mm)	NPS (in)	法兰 Flange		对焊 Butt welding	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device
		GB	API	L1	H	H2	D0	B	B1	B0		P	P1	P0	E	E1	E0	
50	2	250	178	216	475	360	250	-	-	-	-	-	-	-	690	572	200	SMC-04
65	$2^1/2$	280	190	241	535	425	300	-	-	-	-	-	-	-	747	637	200	SMC-04
80	3	310	203	283	600	400	300	-	-	-	-	1075	820	250	812	672	200	SMC-04
100	4	350	229	305	700	535	350	-	-	-	-	1240	945	250	960	795	508	SMC-03
150	6	450	267	403	910	685	350	-	-	-	-	1400	1065	300	1170	945	508	SMC-03
200	8	550	292	419	1095	815	350	1235	900	310	BA-0	1595	1210	300	1355	1075	508	SMC-03
250	10	650	330	457	1370	965	450	1510	1050	310	BA-0	1800	1370	350	1630	1095	305	SMC-00
300	12	750	356	502	1470	1100	500	1610	1185	310	BA-0	2090	1590	350	1730	1230	305	SMC-00
350	14	850	381	572	1730	1250	600	1890	1345	460	BA-1	2420	1845	350	2020	1417	305	SMC-00
400	16	950	406	610	1870	1375	650	2030	1470	460	BA-1	2615	1995	400	2160	1532	305	SMC-00
450	18	1050	432	660	2185	1485	700	2415	1625	460	BA-2	2895	2205	500	2500	1651	305	SMC-1
500	20	1150	457	711	2335	1575	800	2565	1715	460	BA-2	3160	2405	600	2650	1741	305	SMC-1
600	24	1350	508	813	2815	1995	1000	3045	2135	460	BA-2	3885	2955	650	3130	2161	457	SMC-2
700	28	1450	610	914	-	-	-	-	-	-	-	4065	3090	700	3630	2470	457	SMC-2
800	32	1650	660	965	-	-	-	-	-	-	-	-	-	-	4135	2933	610	SMC-3
900	36	1880	813	1016	-	-	-	-	-	-	-	-	-	-	4605	3260	610	SMC-3

Auto Compensation Balanced Double Parallel Gate Valve

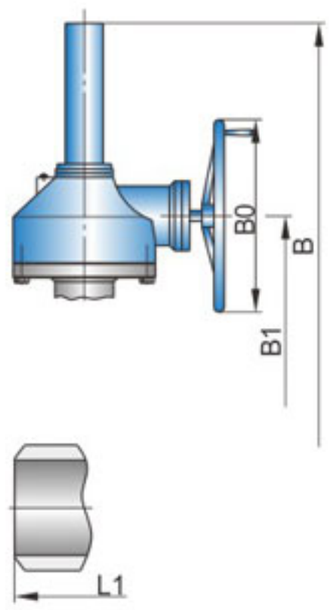
• 自动补偿平衡式双平板闸阀

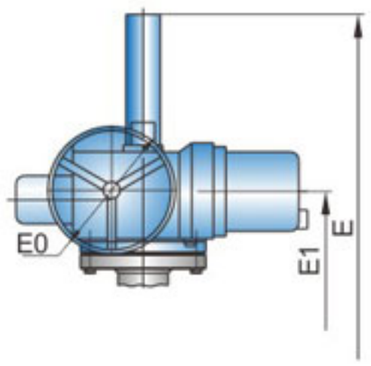


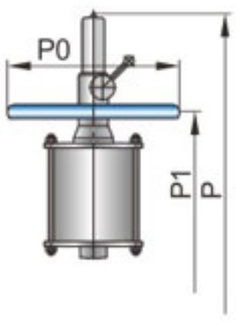
双闸板平板闸阀
Double-Disc Parallel Gate Valve



自动补偿平衡式双平板闸阀
Auto Compensation
Balanced Double ParallelGate Valve







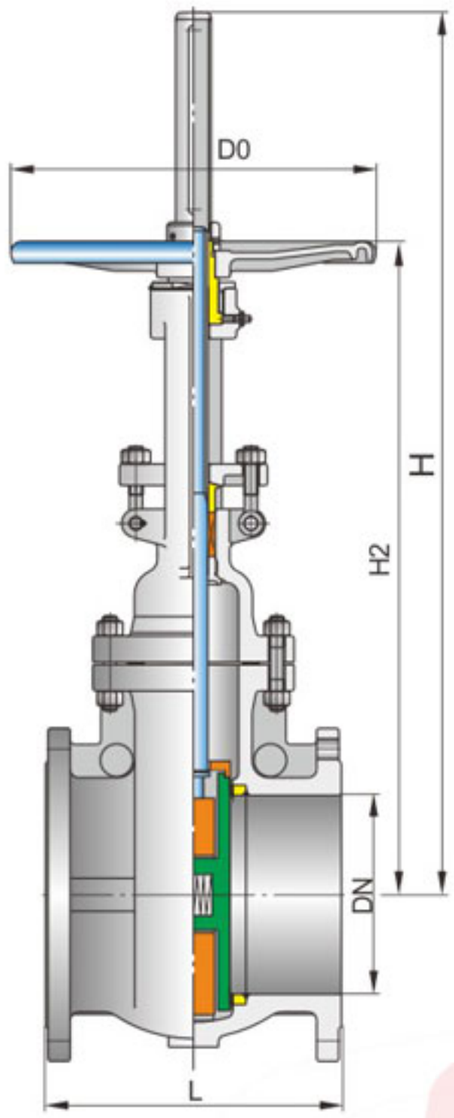
主要外形尺寸 Main Size Of Outside

型号Model:(K)Z5(6,9)4(6)4W(F,Y,D) PN4.05MPa PN5.0MPa(Class300)

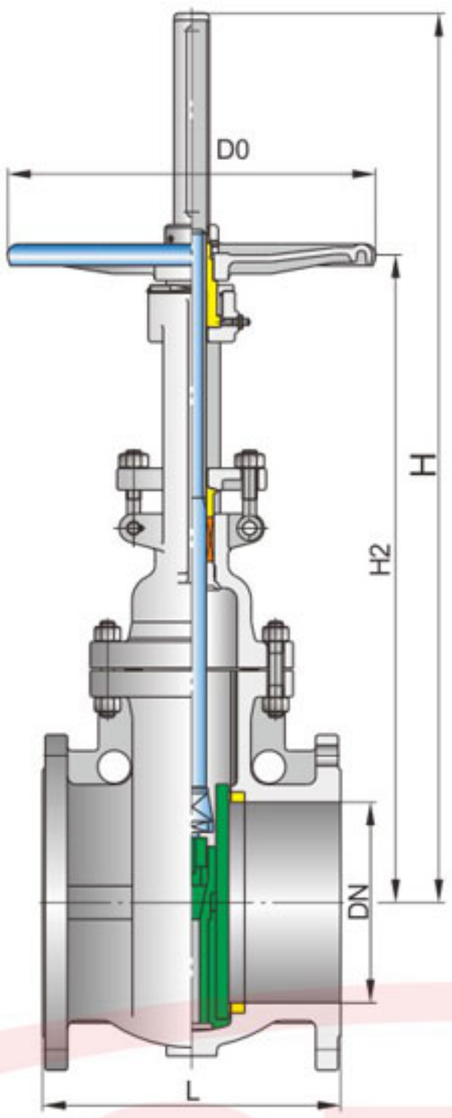
DN (mm)	NPS (in)	法兰 Flange		对焊 Butt welding	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device
		GB	API	L1	H	H2	D0	B	B1	B0		P	P1	P0	E	E1	E0	
50	2	250	216	216	475	360	250	-	-	-	-	-	-	-	690	572	200	SMC-04
65	2 1/2	280	241	241	535	425	300	-	-	-	-	-	-	-	747	637	200	SMC-04
80	3	310	283	283	600	460	300	-	-	-	-	1075	820	250	860	720	500	SMC-03
100	4	350	305	305	700	535	350	-	-	-	-	1240	945	250	960	795	500	SMC-03
150	6	450	403	403	910	685	350	-	-	-	-	1400	1065	300	1170	945	500	SMC-03
200	8	550	419	419	1095	815	350	1235	900	310	BA-0	1595	1210	300	1355	945	305	SMC-00
250	10	650	457	457	1370	965	450	1510	1050	310	BA-0	1800	1370	350	1630	1095	305	SMC-00
300	12	750	502	502	1470	1100	500	1610	1185	310	BA-0	2090	1590	350	1760	1254	305	SMC-0
350	14	850	762	762	1730	1250	600	1890	1345	460	BA-1	2420	1845	350	2020	1407	305	SMC-0
400	16	950	838	838	1870	1375	650	2030	1470	460	BA-1	2615	1995	400	2185	1541	305	SMC-1
450	18	1050	914	914	2185	1485	700	2415	1625	460	BA-2	2895	2205	500	2500	1651	305	SMC-1
500	20	1150	991	991	2335	1575	800	2565	1715	460	BA-2	3160	2405	600	2695	1757	457	SMC-2
600	24	1350	1143	1143	2815	1995	1000	3045	2135	460	BA-2	3385	2955	650	3175	2177	457	SMC-2
700	28	1450	1346	1346	-	-	-	-	-	-	-	1065	3090	700	3670	2606	610	SMC-3
800	32	1650	1524	1524	-	-	-	-	-	-	-	-	-	-	4136	2933	610	SMC-3
900	36	1880	1727	1727	-	-	-	-	-	-	-	-	-	-	4673	3317	610	SMC-4

Auto Compensation Balanced Double Parallel Gate Valve

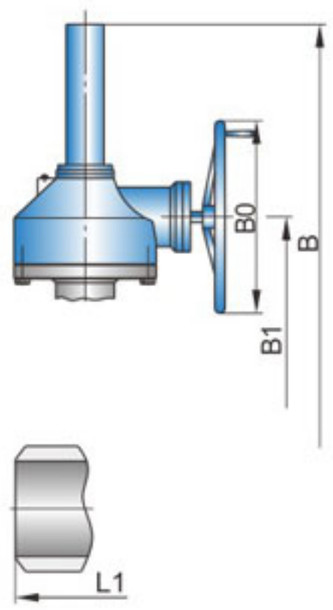
• 自动补偿平衡式双平板闸阀

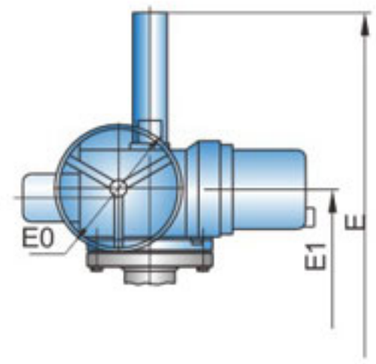


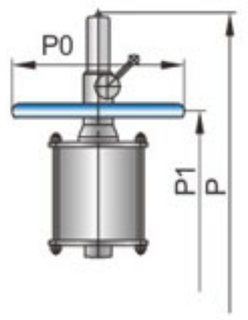
双闸板平板闸阀
Double-Disc Parallel Gate Valve



自动补偿平衡式双平板闸阀
Auto Compensation
Balanced Double ParallelGate Valve







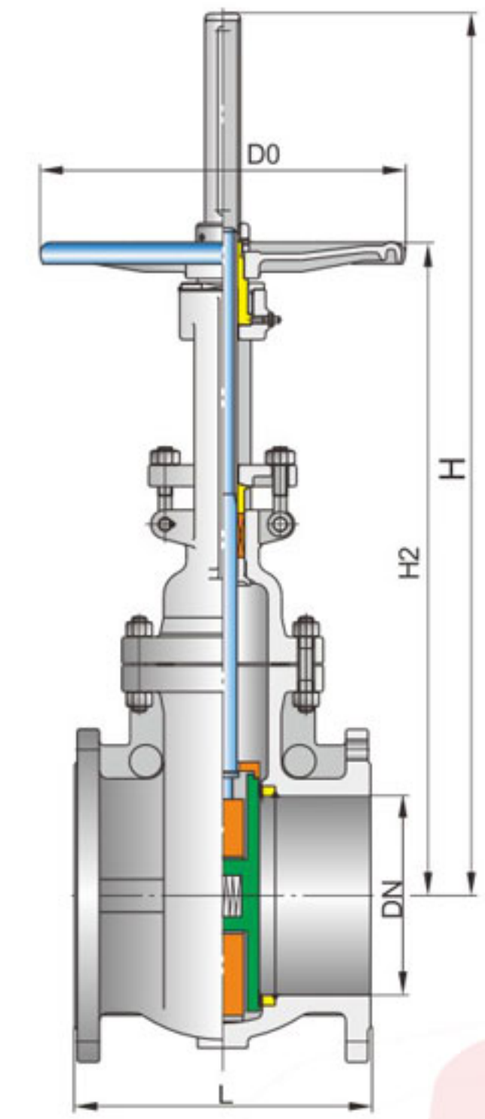
主要外形尺寸 Main Size Of Outside

型号Model:(K)Z5(6,9)4(6)4W(F,Y,D) PN6.4MPa

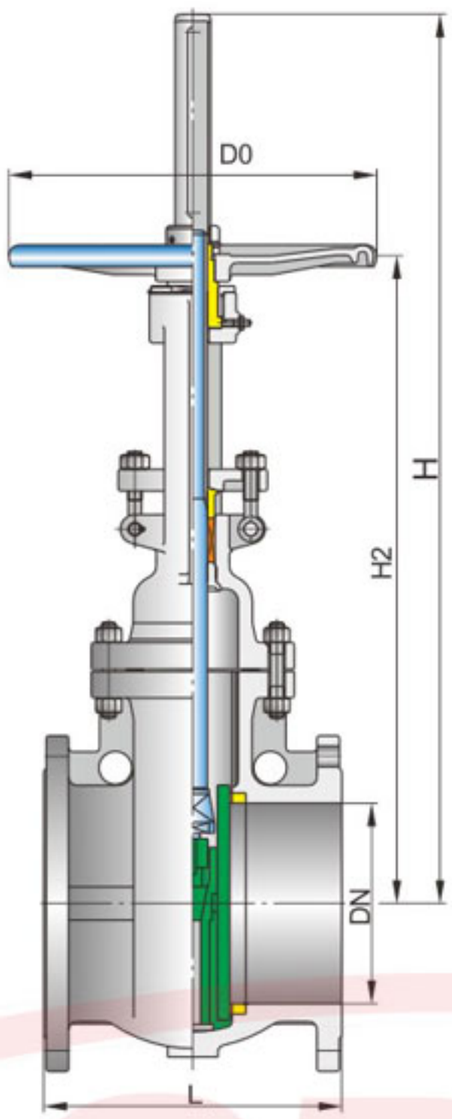
DN (mm)	NPS (in)	法兰 Flange	对焊 Butt welding	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device
		L	L1	H	H2	D0	B	B1	B0		P	P1	P0	E	E1	E0	
50	2	250	292	499	378	250	-	-	-	-	-	-	-	723	601	200	SMC-04
65	21/2	280	330	562	446	300	-	-	-	-	-	-	-	785	670	200	SMC-04
80	3	310	356	630	483	300	-	-	-	-	1130	861	250	902	756	508	SMC-03
100	4	350	406	735	562	350	-	-	-	-	1302	992	250	1007	838	508	SMC-03
150	6	450	495	956	720	350	1096	805	305	BA-0	1470	1118	300	1216	848	305	SMC-00
200	8	550	597	1150	856	400	1290	941	305	BA-0	1675	1274	300	1440	1013	305	SMC-0
250	10	650	673	1439	1013	500	1580	1098	304	BA-0	1890	1440	350	1728	1170	305	SMC-0
300	12	750	762	1545	1155	600	1705	1250	458	BA-1	2195	1670	350	1833	1314	305	SMC-0
350	14	850	826	1817	1313	650	1977	1408	458	BA-1	2542	1937	350	2131	1480	305	SMC-1
400	16	950	902	1965	1445	700	2125	1540	458	BA-1	2746	2095	400	2278	1610	305	SMC-1
450	18	1050	978	2295	1560	800	2525	1700	458	BA-2	3040	2315	500	2655	1741	457	SMC-2
500	20	1150	1054	2452	1655	1000	2682	1795	458	BA-2	3318	2525	600	2812	1836	610	SMC-3
600	24	1350	1232	-	-	-	3196	2235	458	BA-2	4080	3103	650	3356	2413	610	SMC-3
700	28	1450	1397	-	-	-	-	-	-	-	4268	3245	700	3902	2777	610	SMC-4
800	32	1650	1651	-	-	-	-	-	-	-	-	-	-	4393	3121	610	SMC-4
900	36	1880	1880	-	-	-	-	-	-	-	-	-	-	4863	3428	760	SMC-5

Auto Compensation Balanced Double Parallel Gate Valve

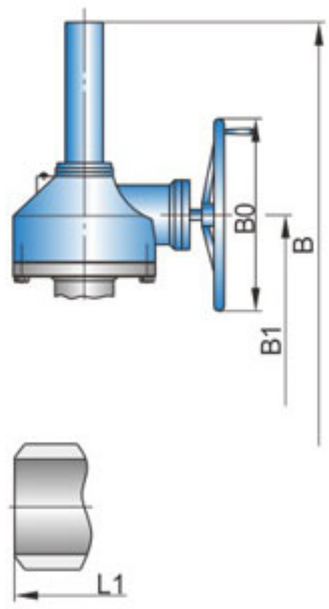
• 自动补偿平衡式双平板闸阀

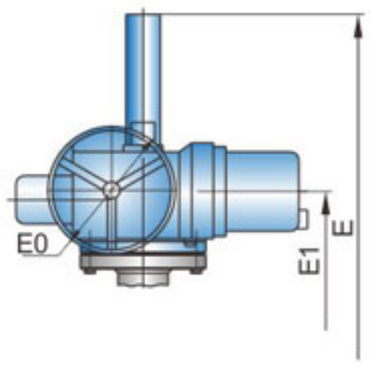


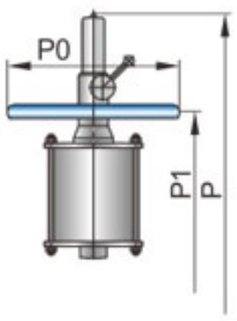
双闸板平板闸阀
Double-Disc Parallel Gate Valve



自动补偿平衡式双平板闸阀
Auto Compensation
Balanced Double ParallelGate Valve







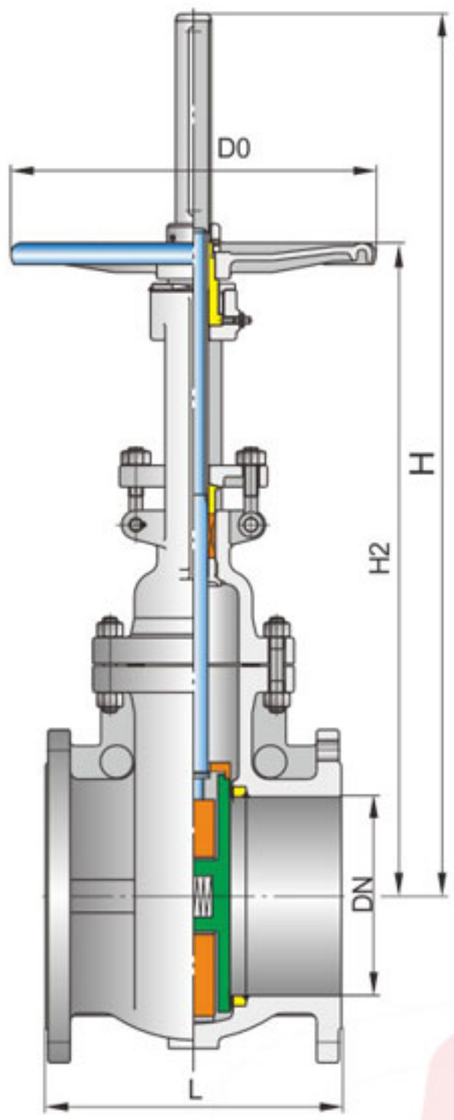
主要外形尺寸 Main Size Of Outside

型号Model:(K)Z5(6,9)4(6)4W(F,Y,D) Class300

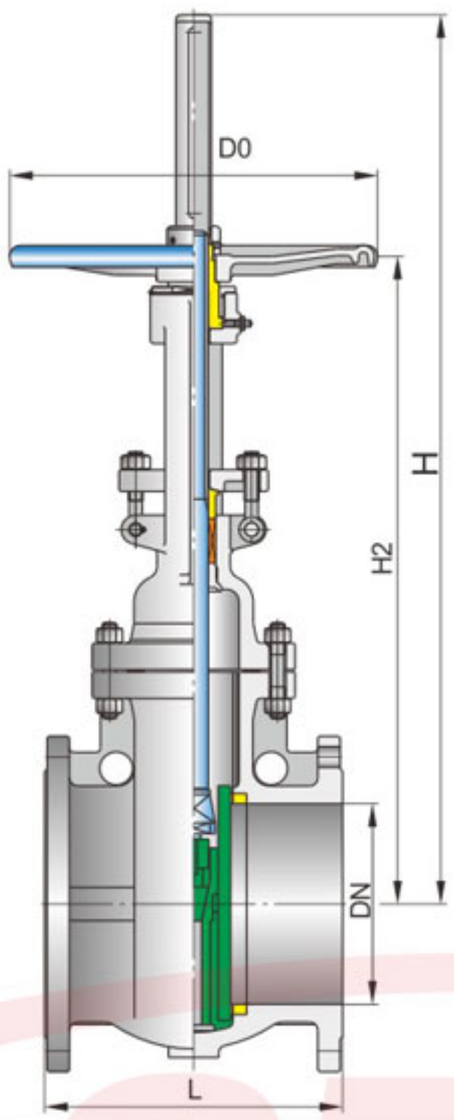
DN (mm)	NPS (in)	法兰 Flange	对焊 Butt welding	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device
		L	L1	H	H2	D0	B	B1	B0		P	P1	P0	E	E1	E0	
50	2	292	292	499	378	250	-	-	-	-	-	-	-	723	601	200	SMC-04
65	21/2	330	330	562	446	300	-	-	-	-	-	-	-	785	670	200	SMC-04
80	3	356	356	630	483	300	-	-	-	-	1130	861	250	902	756	508	SMC-03
100	4	406	406	735	562	350	-	-	-	-	1302	992	250	1007	838	508	SMC-03
150	6	495	495	956	720	350	1096	805	305	BA-0	1470	1118	300	1216	848	305	SMC-00
200	8	597	597	1150	856	400	1290	941	305	BA-0	1675	1274	300	1440	1013	305	SMC-0
250	10	673	673	1439	1013	500	1580	1098	304	BA-0	1890	1440	350	1728	1170	305	SMC-0
300	12	762	762	1545	1155	600	1705	1250	458	BA-1	2195	1670	350	1833	1314	305	SMC-0
350	14	826	826	1817	1313	650	1977	1408	458	BA-1	2542	1937	350	2131	1480	305	SMC-1
400	16	902	902	1965	1445	700	2125	1540	458	BA-1	2746	2095	400	2278	1610	305	SMC-1
450	18	978	978	2295	1560	800	2525	1700	458	BA-2	3040	2315	500	2655	1741	457	SMC-2
500	20	1054	1054	2452	1655	1000	2682	1795	458	BA-2	3318	2525	600	2812	1836	610	SMC-3
600	24	1232	1232	-	-	-	3186	2235	458	BA-2	4080	3103	650	3356	2413	610	SMC-3
700	28	1397	1397	-	-	-	-	-	-	-	4268	3245	700	3902	2777	610	SMC-4
800	32	1650	1651	-	-	-	-	-	-	-	-	-	-	4393	3121	610	SMC-4
900	36	1880	1880	-	-	-	-	-	-	-	-	-	-	4863	3428	760	SMC-5

Auto Compensation Balanced Double Parallel Gate Valve

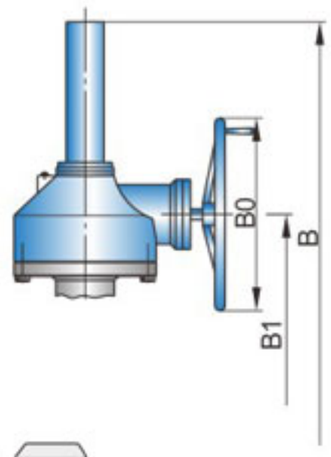
• 自动补偿平衡式双平板闸阀

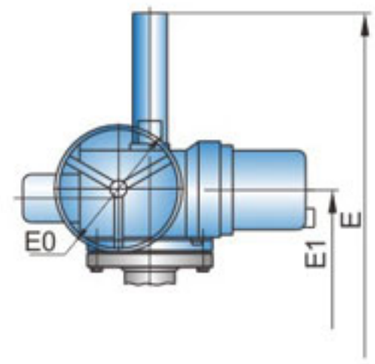


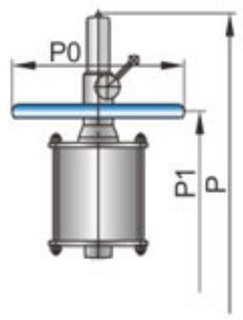
双闸板平板闸阀
Double-Disc Parallel Gate Valve



自动补偿平衡式双平板闸阀
Auto Compensation
Balanced Double ParallelGate Valve







主要外形尺寸 Main Size Of Outside　　**型号Model:(K)Z5(6,9)4(6)4W(F,Y,D) PN10.0MPa(Class600)**

DN (mm)	NPS (in)	法兰 Flange	对焊 Butt welding	手动 Hand-operated			齿动 Geared driving			齿动装置 Geared driving	气动液动 Air-operating and Fluid driving			电动 Electric driving device			电动装置 Electric driving device
		L	L1	H	H2	D0	B	B1	B0		P	P1	P0	E	E1	E0	
50	2	292	292	499	378	300	-	-	-	-	-	-	-	723	600	200	SMC-04
65	$2^1/_2$	330	330	562	446	350	-	-	-	-	-	-	-	821	705	508	SMC-03
80	3	356	356	630	483	350	-	-	-	-	1130	861	250	890	742	508	SMC-03
100	4	432	432	735	562	400	-	-	-	-	1302	992	250	995	690	305	SMC-00
150	6	559	559	956	720	500	1096	805	305	BA-0	1470	1118	300	1245	876	305	SMC-0
200	8	660	660	1150	856	600	1290	941	305	BA-0	1675	1271	300	1440	1013	305	SMC-0
250	10	787	787	1439	1013	650	1580	1098	458	BA-1	1890	1440	350	1753	1199	305	SMC-1
300	12	838	838	1545	1155	700	1705	1250	458	BA-1	2195	1670	350	1858	1321	305	SMC-1
350	14	889	889	1817	1313	800	1977	1408	458	BA-1	2542	1937	350	2177	1495	457	SMC-2
400	16	991	991	1965	1445	1000	2125	1540	458	BA-2	2746	2095	400	2395	1762	610	SMC-3
450	18	1092	1092	-	-	-	2525	1700	458	BA-2	3040	2315	500	2695	1877	610	SMC-3
500	20	1194	1194	-	-	-	2682	1795	458	BA-2	3315	2525	600	2922	2030	610	SMC-4
600	24	1397	1397	-	-	-	-	-	-	-	4080	3103	650	3426	2470	610	SMC-4
700	28	1549	1549	-	-	-	-	-	-	-	4268	3245	700	3983	2835	760	SMC-5
800	32	1778	1778	-	-	-	-	-	-	-	-	-	-	4485	3186	760	SMC-5