

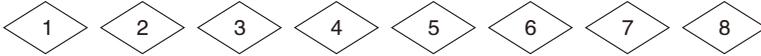
DAGO

闸阀系列

Gate Valve Series



» 钢制闸阀型号编制说明 Steel gate valve figure number system



1	规格Size	英制系列以xxin表示；公制系列以xx表示，单位mm省略					
2	驱动方式 Operation type	1-光杆 Bare Stem	2-链轮传动 Chain-wheel operated	4-正齿轮传动 Spur gear operated	5-伞齿轮传动 Cone gear operated	9-电动 Electric operated	手动(省略) Hand operated (omit)
3	阀门类别 Valve type	Z-闸阀 Gate valve					
4	压力等级 Pressure	0-PN1.0	1-PN1.6 CLASS 150	2-PN2.5	3-CLASS300	4-PN4.0 CLASS400	6-PN6.4 CLASS600
		9-CLASS900	10-PN10.0	15-CLASS1500	16-PN16.0	20-PN20.0	25-CLASS2500
5	连接方式 Ends	RF-突面法兰 Raised Face	FF-全平面法兰 Flat Face	MFM- 凹凸面法兰 Male and Female Face	TG-榫槽面法兰 Tougue and Groove Face	RJ-环接面法兰 Ring Joint	BW-对接焊 Buttweld
6	结构形式 Structure type	0-弹性闸板 Flexible Wedge	1-刚性楔式单闸板 Solid wedge	2-刚性楔式双闸板 Solid Double Wedge	3-平行式单闸板(普通型) Parallel single disc 3T-调节型 Adjust type 3L-导流孔型 Adiversion Hole type		4-平行式双闸板 Parallel double disc
		C-WCB	C5-C5	C6-WC6	C9-WC9	BL-LCB	CL-LCC
7	壳体材料 Basie Material	8-CF8	8M-CF8M	3-CF3	3M-CF3M	ML-MONEL	
		H-Cr13系不锈钢 Cr13 S.S		E-18-8系不锈钢 18-8 S.S		R-Mo2Ti系不锈钢 Mo2Ti S.S	
8	*阀座密封面 或衬里材料 Material of seat face or liner	D-渗氮钢 Nitriding Steel		M-蒙耐尔合金 Monel Alloy		Y-硬质合金 Hard Face	

注：1、*由阀体直接加工的阀座密封面材料代号用W表示

Note: Use "W" to express seat sealing surface material which is processed directly by valve body.

2、*当密封副的密封面材料不同时，以硬度低的材料代号表示

When the materials of sealing surface are different,use low hardness material symbol to express.

3、型号中未列出的其他特殊要求必须在订单中写明

Special Requirements not shown,should be indicated in the purchase order

4、样本中列出的型号不涉及压力口径及阀门的材料编号，由用户给定

The models listed in the sample book have no reference to pressure、sizes and valve material symbols,they are to be decided by users.

» 型号示例：For example

10"-5Z1RF0CH

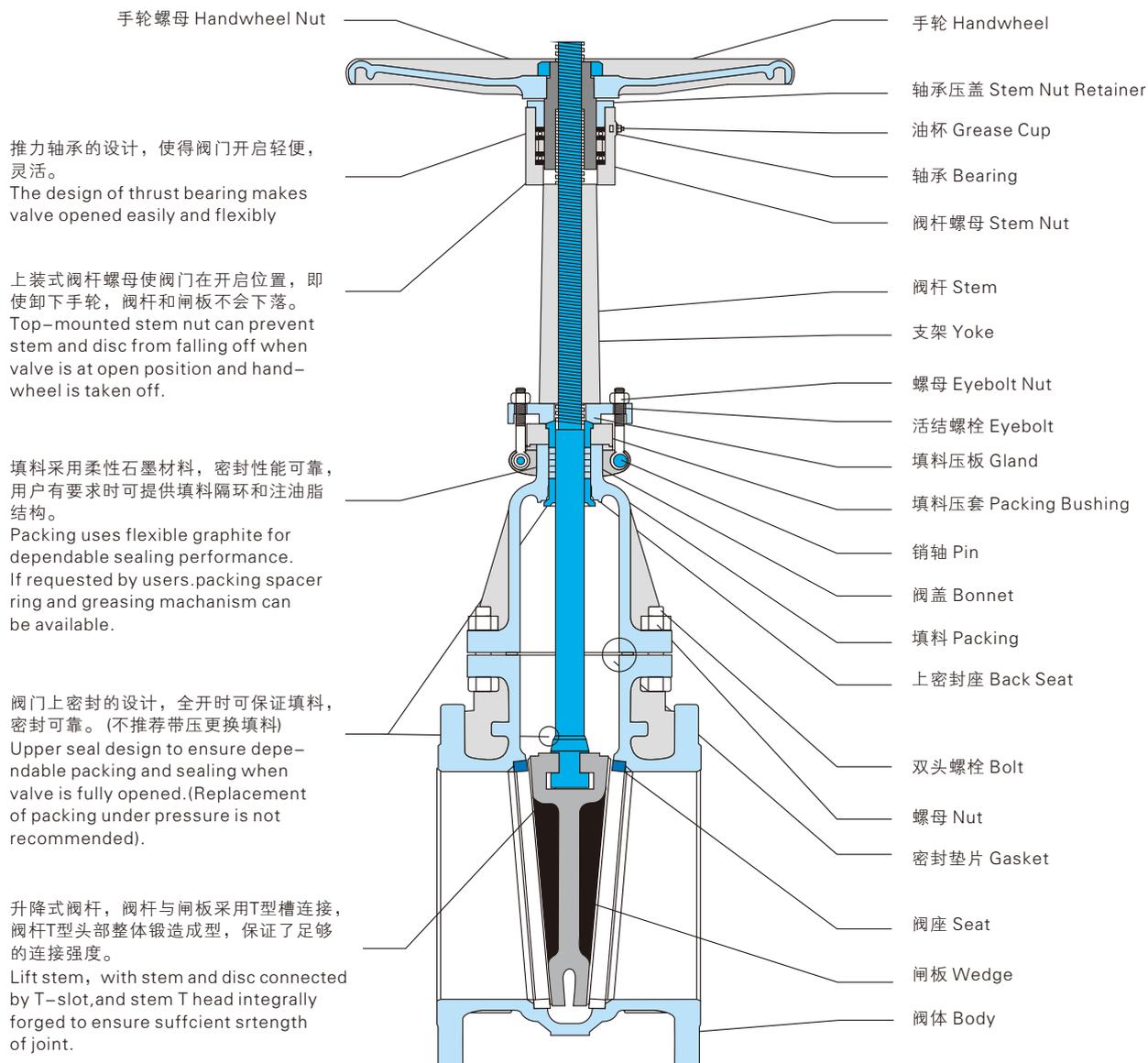
闸阀，10"ANSI CLASS150，突面法兰连接，弹性闸板、壳体(阀体、阀盖、闸板)材料WCB，阀座密封面材料13Cr，伞齿轮传动。
Gate valve,10" ANSI CLASS150,Raised face ends, flexible wedge,Body&Bonnet&wedge cast steel WCB,seat sealing face material 13Cr cone Gear operated

80-Z2RF08W

闸阀，DN80 PN25，突面法兰连接，弹性闸板，壳体(阀体、阀盖、阀瓣)材料CF8，阀座密封面本体加工，手轮驱动。

Gate valve, DN80 PN25, Raised face ends, flexible wedge, Body&Bonnet& wedge stainless steel CF8, seat sealing face body machined, Handwheel operated

» 明杆升降式铸钢闸阀的结构特征 Design characteristics of API600 cast steel gate valve with rising stem(OS&Y)



- 提示: 1、端部连接形式见附录 I
2、闸板结构形式见附录 II
3、阀体与阀座连接形式见附录 III
4、阀体、阀盖连接形式见附录 IV
5、阀杆填料结构见附录 V
6、阀门操作见附表 VI

- Remark: 1、Type of end connection referred to Appendix I
2、Type of disc structure referred to Appendix II
3、Type of body and seat connection referred of Appendix III
4、Type of body and bonnet connection referred to Appendix IV
5、Stem packing structure referred to Appendix V
6、Valve operation referred to Appendix VI

» API600明杆升降式铸钢闸阀的材料明细(ASTM标准材料)Materials list for Apl600 cast steel gate valve with rising stem(OS&Y)

序号 NO.	零件名称 Part Name		碳钢系列 Carbon Steel	不锈钢系列 Stainless Steel	合金钢系列 Alloy Steel	低温钢系列 Low Temperature Steel
1	阀体	Body	ASTM A216 GR WCB	ASTM A351 GR CF8	ASTM A271 GR WC6	ASTM A352 GR LCB
2	阀板	Wedge	ASTM A216 GR WCB	ASTM A351 GR CF8	ASTM A271 GR WC6	ASTM A352 GR LCB
3	阀座	Seat	ASTM A105	/	ASTM A182 GR F304	ASTM A182 GR F304
4	密封垫片	Gasket	柔性石墨 +SS304 Graphite Soft+SS304			
5	六角螺母	Nut	ASTM A194 GR 2H	ASTM A194 GR B8	ASTM A104 GR4	ASTM A194 GR B8
6	双头螺栓	Stud	ASTM A193 GR B7	ASTM A193 GR8	ASTM A193 GR B7	ASTM A193 GR 8
7	上密封座	Back Seat	ASTM A182 GR F6a	ASTM A182 GR F304	ASTM A182 GR F304	ASTM A182 GR F304
8	填料	Packing	柔性石墨 Graphite/SS304			
9	阀盖	Bonnet	ASTM A216 GR WCB	ASTM A351 GR CF8	ASTM A217 GR WC6	ASTM A352 GR LCB
10	销轴	Pin	ASTM A194 GR 2H	ASTM A276 TYPE 304	ASTM A276 TYPE 410	ASTM A276 TYPE 304
11	填料压套	Packing Bushing	ASTM A182 GR F6a	ASTM A182 GR F304	ASTM A182 GR F6a	ASTM A182 GR F304
12	填料压板	Gland	ASTM A216 GR WCB	ASTM A351 GR CF8	ASTM A216 GR WCB	ASTM A352 GR LCB
13	活结螺栓	Eyebolt	ASTM A193 GR B7	ASTM A193 GR B8	ASTM A193 GR B7	ASTM A194 GR B8
14	螺母	Eyebolt Nut	ASTM A194 GR 2H	ASTM A351 GR 8	ASTM A193 GR 4	ASTM A193 GR 8
15	支架	Yoke	ASTM A216 GR WCB	ASTM A351 GR CF8	ASTM A216 GR WCB	ASTM A352 GR LCB
16	阀杆	Stem	ASTM A216 TYPE 410	ASTM A276 TYPE 304	ASTM A182 GR F22	ASTM A276 TYPE 304
17	阀杆螺母	Stem Nut	ASTM B148 UNS C95600	ASTM B148 UNS C95600	ASTM B148 UNS C95600	ASTM B148 UNS C95600
18	轴承	Bearing	/			
19	油杯	Grease cup	铜合金 COPPER ALLOY			
20	轴承压盖	Stem Nut Retainer	ASTM A108 GR 1020	ASTM A182 GR F304	ASTM A108 GR 1020	ASTM A182 GR F304
21	手轮	Handwheel	ASTM A197	ASTM A197	ASTM A197	ASTM A197
22	手动螺母	Handwheel Nut	ASTM A108 GR 1020	ASTM A182 GR F304	ASTM A108 GR 1020	ASTM A182 GR F304

提示: 1、不同的工况温度和工况介质选用不同的材料

Remark: 1、Select different materials for different working temperature and media

2、内件材料的推荐服务范围见附录 VII

2、Trim materials and recommended service coverage referred to appendix VII

» 力矩表 Torque Table

下表所列的力矩值未经实际测定，仅供选择驱动装置时进行参考，介质的特性、内件及阀门的开启频率尚需作额外因素考虑。
The torque values listed in the following table have not been measured in practice but only serve as reference for selecting the actuator. The medium characteristics, internal parts and valve opening frequency remain to be taken into account as extra factors.

N.m

规格(IN) Size	压力(CALSS) Pressure								
	栓接阀盖 Bolted bonnet					压力密封阀盖 Pressure sealed bonnet			
	150	300	600	900	1500	600	900	1500	2500
1-1/2	12	15	20	24	32				
2	13	16	23	39	54				
2-1/2	13	18		56	76				
3	15	21	50	64	108	29	40	69	110
4	27	42	68	118	167	50	71	111	194
6	36	86	183	243	426	129	174	307	381
8	63	128	270	427	801	232	319	537	727
10	84	215	479	783	1268	379	530	948	1398
12	131	289	650	1163	2078	550	740	1409	1980
14	151	423	988	1331	2392	/	1008	1823	2593
16	235	537	1243	/	/	/	1400	2516	3952
18	285	649	1512	/	/	/	1696	3767	5735
20	341	1009	2185	/	/	/	2302	5283	7804
24	602	1451	3053	/	/	/	4224	8228	11798
26	/	/	/	/	/	/	/	/	/
28	/	/	/	/	/	/	/	/	/
30	1079	3140	5452	/	/	/	/	/	/
32				/	/	/	/	/	/
36	1497	4293	7675	/	/	/	/	/	/

» 流量系数表 Flow coefficient Table

阀门的流量系数是衡量阀门流通能力的指标，流量系数值越大说明流体流过阀门时的压力损失越小，下表为API铸钢闸阀的流量系数表
Cv值表示在1磅/英寸2(0.006894757MPa)压降下+60° F(+16°C)的水，每分钟流过阀门的美国加仑数。

The flow coefficient of a valve is an index for measuring its flow capacity. The larger its flow coefficient value is, the smaller pressure loss it will have when the fluid flows through it. The following is the flow coefficient table for GB wedge gate valve (Cv stands for the US gallonage of +60F° (+16°C) water per minute flowing through the valve with a pressure drop of 1 lb./inch²(0.006894757MPa).

» Cv值

规格(IN) Size	压力(CALSS) Pressure								
	栓接阀盖 Bolted bonnet					压力密封阀盖 Pressure sealed bonnet			
	150	300	600	900	1500	600	900	1500	2500
3	710	710	710	650	600	710	450	415	275
4	1300	1300	1300	1200	1070	1300	850	730	460
6	3100	2110	3110	2850	2500	3110	1925	1675	1100
8	5720	5720	5500	5025	4370	5500	3575	2925	1970
10	8940	8940	8485	7850	6850	8485	5250	4550	3130
12	13350	13350	12850	11500	9980	12850	7550	6570	4535
14	16275	16275	15370	13900	12000	15370	9150	7890	5500
16	21560	21560	20170	18150	15675	20170	11950	10325	7210
18	28720	27890	26200	23910	20640	26200	15575	13425	9415
20	35760	34840	32100	39550	25880	32100	27675	16820	11450
24	52165	51050	46750	42570	37175	46750	/	24150	16575
26	63500	62011	56300	/	/	56300	/	/	/
28	74800	73046	65900	/	/	65900	/	/	/
30	86235	84765	75520	/	/	75520	/	/	/
32	103000	100580	85180	/	/	85180	/	/	/
36	129500	125825	114250	/	/	114250	/	/	/
40	175860	171740	156127	/	/	/	/	/	/
42	223300	217000	197272	/	/	/	/	/	/
48	335500	326000	296300	/	/	/	/	/	/

» API铸钢闸阀供货范围 API Cast steel Gate valve Product line

规格 Size		压 力 Pressure(Class)																
		栓接阀盖 Bolted Bonnet								自密封阀盖 Pressure Seal Bonnet								
		手动 Hand operated					齿轮传动 Gear Operated			手动 Hand operated				齿轮传动 Gear Operated				
DN	NPS	150	300	600	900	1500	300	600	900	1500	600	900	1500	2500	600	900	1500	2500
40	1-1/2	*	*	*	*	*												
50	2	*	*	*	*	*												
65	2-1/2	*	*	*	*	*												
80	3	*	*	*	*	*					*	*	*	*				
100	4	*	*	*	*	*					*	*	*	*				
125	5	*	*	*	*	*					*	*	*	*				
150	6	*	*	*	*	*					*	*	*	*				
200	8	*	*	*	*	*					*	*	*	*				*
250	10	*	*	*	*	*					*	*	*	*				*
300	12	*	*	*	*					*	*	*					*	*
350	14	*	*	*	*					*	*	*					*	*
400	16	*	*	*					*	*	*					*	*	*
450	18	*	*	*					*	*	*					*	*	*
500	20	*	*	*					*	*	*					*	*	*
600	24	*	*					*	*	*				*	*	*	*	*
650	24	*	*					*						*	*	*	*	*
700	28	*	*					*						*	*	*	*	*
750	30	*	*					*						*	*	*	*	*
800	32	*	*					*						*	*	*	*	*
900	36	*	*					*						*	*	*	*	*
1000	40	*					*	*										
1050	42	*					*	*										
1200	48	*					*	*										

欲订购表中未列出的产品可与本公司销售部门联系。
For sizes and classes not shown, please contact our sales Department

» 技术规范规范 Technical Specification

设计标准 Desing Standrad	API600 API603						
压力温度等级 Pressrue-Temperature Rating	ASME B16.34						
结构长度 Face-Face	ASME B16.10						
法兰型式尺寸 Flange Ends	ASME B16.5、ASME B16.47						
对焊端连接 Buttwelding Ends	ASME B16.25						
检验与试验 Inspection&Test	API 598						
试验压力 Test Pressure	公称压力 Norminal Pressure(class)	150	300	600	900	1500	2500
	壳体试验 Shell Test	2.93	7.55	15.0	22.5	37.5	63.0
	高压密封 High Pressure Seal Test	2.07	5.52	11.03	16.5	27.5	46.0
	低压密封 Low Pressure Seal Test	0.6					

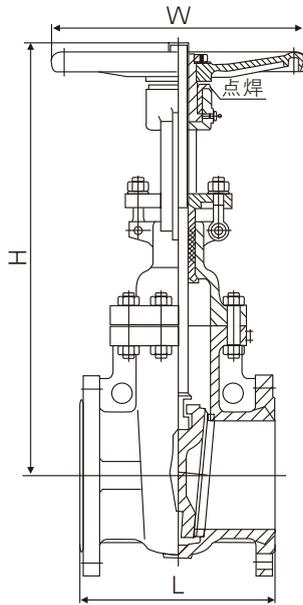


Fig.ZRF0

压力等级 Pressure: CLASS150

栓接阀盖

弹性闸板

10"以上采用分体式支架

Bolted bonnet

flexible wedge gate

10"and above:two pieces yoke

» 主要外形尺寸和重量 Main Dimensions&Weight

CLASS 150

规格 Size		阀门尺寸 Valve Dimensions					重量 Weight(kg)	
mm	in	L(RF)	L(BW)	L(RJ)	H	W	RF	BW
40	1-1/2	165	165	178	386	250	24	21
50	2	178	216	190	391	250	27	23
65	2-1/2	190	241	203	408	250	37	33
80	3	203	283	216	457	250	40	35
100	4	229	305	241	538	250	52	47
150	6	267	403	279	693	350	90	84
200	8	292	419	305	863	350	145	137
250	10	330	457	343	1036	450	225	207
300	12	356	502	368	1130	450	310	253
350	14	381	572	394	1272	610	445	376
400	16	406	610	419	1447	610	540	440
450	18	432	660	445	1701	720	800	722
500	20	457	711	470	1795	720	990	863
600	24	508	813	521	2189	720	1600	1519
650	26	559	864	-	2387	860	1850	1755
700	28	610	914	-	2590	860	2100	1995
750	30	610	914	622	2819	860	2700	2404
800	32	711	965	-	2870	860	3100	2840
900	36	711	1016	724	2997	860	3950	3690
1000	40	813	1067	-	3302	1020	4650	-
1050	42	813	1143	-	3479	1020	5100	-
1200	48	1067	1371	-	3962	1020	6500	-

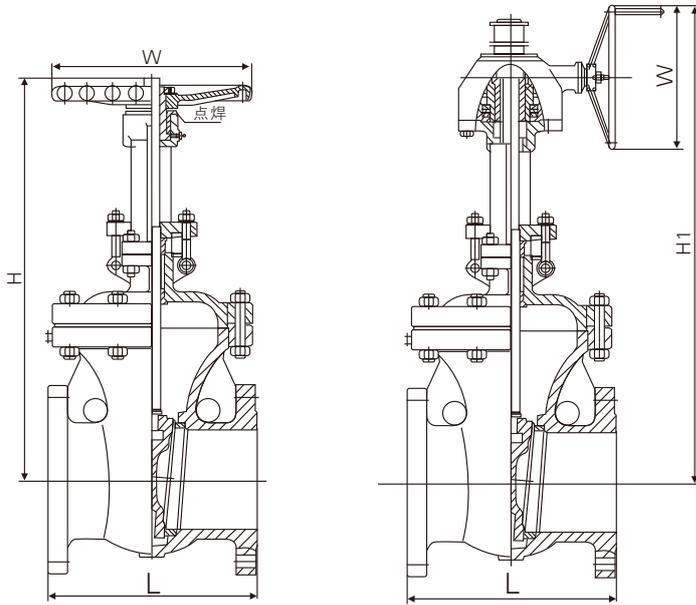


Fig.ZRF0

Fig.5ZRF0

压力Pressure: CLASS 300

栓接阀盖
弹性闸板
8"以上采用分体式支架
40"以上采用齿轮传动

Bolted bonnet
flexible wedge gate
8"and above:two pieces yoke
40"and above:Gear operated

» 主要外形尺寸和重量 Main Dimensions&Weight

CLASS 300

规格 Size		阀门尺寸 Valve Dimensions						重量 Weight(kg)	
mm	in	L(RF)	L(BW)	L(RJ)	H	H1	W	RF	BW
40	1-1/2	190	190	203	425	-	250	30	28
50	2	216	216	232	467	-	250	32	29
65	2-1/2	241	241	257	495	-	250	49	43
80	3	283	283	299	520	-	250	52	49
100	4	305	305	321	609	-	350	85	77
150	6	403	403	419	825	-	450	150	145
200	8	419	419	435	1009	-	450	240	227
250	10	457	457	473	1193	-	610	380	337
300	12	502	502	518	1282	-	610	486	430
350	14	762	762	778	1422	-	610	729	654
400	16	838	838	854	1549	-	720	931	876
450	18	914	914	930	1803	-	720	1504	1300
500	20	991	991	1010	1955	-	720	1938	1625
600	24	1143	1143	1165	2425	-	860	3411	2800
650	26	1245	1245	1270	2540	-	860	3570	3100
700	28	1346	1346	1372	2641	-	860	4027	3600
750	30	1397	1397	1422	2743	-	860	4310	3780
800	32	1524	1524	1553	2857	-	860	4850	4235
900	36	1727	1727	1756	3048	-	860	6632	5900
1000	40	1955	1955	-	-	3717	720	8100	-
1050	42	2032	2032	-	-	3916	720	9750	-
1200	48	2286	2286	-	-	4501	720	13050	-

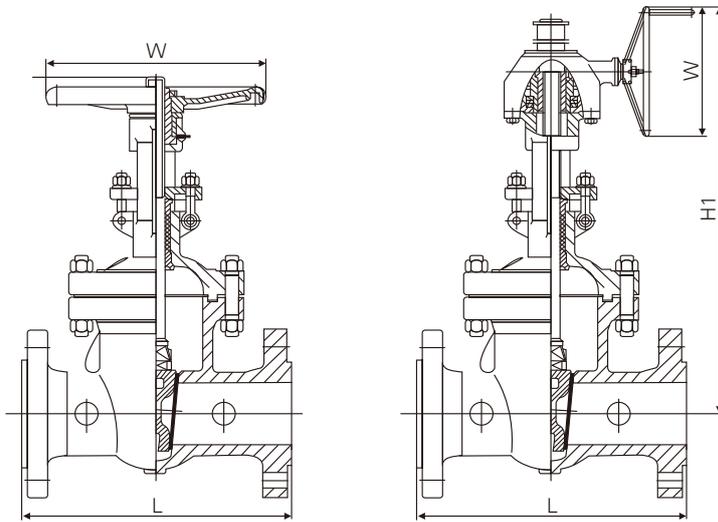


Fig.ZRF0

Fig.5ZRF0

压力等级 Pressure: CLASS 600

栓接阀盖

弹性闸板

8"以上采用分体式支架

24"以上采用齿轮传动

Bolted bonnet

flexible wedge gate

8"and above:two pieces yoke

24"and above:Gear operated

» 主要外形尺寸和重量 Main Dimensions&Weight

CLASS 600

规格 Size		阀门尺寸 Valve Dimensions						重量 Weight(kg)	
mm	in	L(RF)	L(BW)	L(RJ)	H	H1	W	RF	BW
40	1-1/2	241	241	241	375	-	250	41	28
50	2	292	292	295	387	-	250	50	39
65	2-1/2	330	330	333	483	-	250	54	53
80	3	356	356	359	537	-	350	85	67
100	4	432	432	435	647	-	350	126	101
150	6	559	559	562	914	-	610	274	230
200	8	660	660	664	1092	-	610	454	390
250	10	787	787	791	1181	-	720	628	566
300	12	838	838	841	1333	-	720	895	823
350	14	889	889	892	1473	-	720	1350	1198
400	16	991	991	994	1651	-	860	1700	1532
450	18	1092	1092	1095	1727	-	860	2140	1996
500	20	1194	1194	1200	2019	-	860	2683	2450
600	24	1397	1397	1407	-	2383	610	4550	3244
650	26	1448	1448	1461	-	2500	610	5260	-
700	28	1549	1549	1562	-	2663	610	5960	-
750	30	1651	1651	1664	-	2840	610	6700	6160
800	32	1778	1778	1794	-	3100	720	8312	-
900	36	2083	2083	2099	-	3450	720	10125	9580
1000	40	2149	2149	-	-	3600	720	14300	-
1050	42	2260	2260	-	-	3950	720	16460	-
1200	48	2667	2667	-	-	4600	720	22900	-

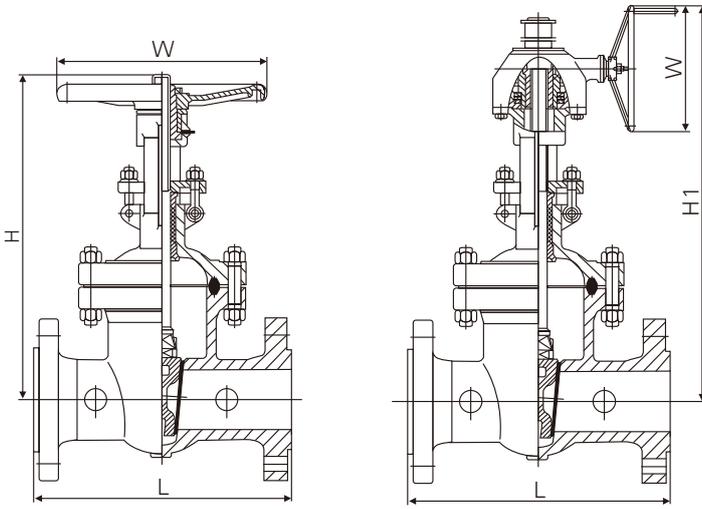


Fig.ZRF0

Fig.ZRF0

压力等级Pressure: CLASS 900~1500

栓接阀盖

弹性闸板

8"以上采用分体式支架

class900,16"以上采用齿轮传动

class1500,12"以上采用齿轮传动

Bolted bonnet

flexible wedge gate

8"and above:two pieces yoke

class900,16"and above:

class1500,12"and above:Gear operated

» 主要外形尺寸和重量 Main Dimensions&Weight

压力 CLASS	规格 Size		阀门尺寸 Valve Dimensions						重量 Weight(kg)	
	mm	in	L(RF)	L(BW)	L(RJ)	H	H1	W	RF	BW
900	40	1-1/2	305	305	305	495	-	250	62	45
	50	2	368	368	371	523	-	250	116	98
	65	2-1/2	419	419	422	577	-	350	161	130
	80	3	381	381	384	609	-	350	142	136
	100	4	457	457	460	673	-	350	214	180
	150	6	610	610	613	863	-	610	408	405
	200	8	737	737	740	1079	-	610	731	644
	250	10	838	838	841	1231	-	720	1151	1010
	300	12	965	965	968	1384	-	720	1724	1455
	350	14	1029	1029	1038	1574	-	850	2060	1807
	400	16	1130	1130	1140	-	2159	760	2400	-
	450	18	1219	1219	1232	-	2362	760	3000	-
1500	500	20	1321	1321	1334	-	2463	760	3800	-
	600	24	1549	1549	1568	-	3048	900	4900	-
	40	1-1/2	305	305	305	495	-	250	62	45
	50	2	368	368	371	582	-	250	116	98
	65	2-1/2	419	419	422	635	-	350	161	130
	80	3	470	470	473	781	-	350	209	193
	100	4	546	546	549	876	-	450	296	250
	150	6	705	705	711	1104	-	610	720	652
	200	8	832	832	841	1142	-	720	1275	1134
	250	10	991	991	1000	1784	-	860	2092	1765
	300	12	1130	1130	1146	-	1955	760	2951	2386
	350	14	1257	1257	1276	-	2057	760	4382	3759
400	16	1384	1384	1407	-	2311	760	5043	-	
450	18	1537	1537	1559	-	2438	860	5705	-	
500	20	1664	1664	1686	-	2590	860	6750	-	
600	24	1943	1943	1972	-	2946	860	9500	-	

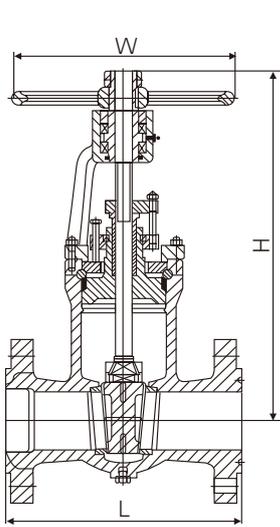


Fig.ZRJ0

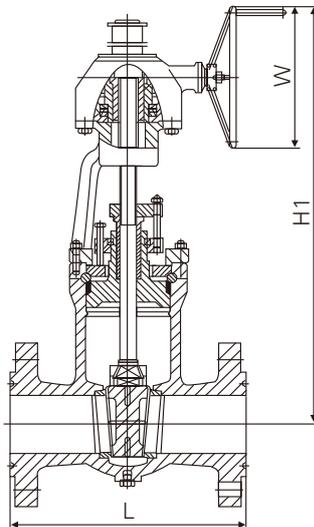


Fig.5ZRJ0

压力等级Pressure:CLASS600~900

压力密封阀盖

弹性闸板

class600,24"以上采用齿轮传动

class900,16"以上采用齿轮传动

Pressure sealed bonnet

flexible wedge gate

class600,24"and above:

class900,16"and above:

Gear operated

» 主要外形尺寸和重量 Main Dimensions&Weight

压力 CLASS	规格 Size		阀门尺寸 Valve Dimensions						重量 Weight(kg)	
	mm	in	L(RF)	L(BW)	L(RJ)	H	H1	W	RF	BW
600	80	3	356	254	359	609	-	250	68	54
	100	4	432	305	435	762	-	350	112	84
	150	6	559	457	562	863	-	450	209	169
	200	8	660	584	664	1092	-	610	315	245
	250	10	787	711	791	1168	-	720	529	429
	300	12	838	812	841	1270	-	720	775	615
	350	14	889	889	892	1447	-	720	1210	960
	400	16	991	991	994	1651	-	860	1600	1200
	450	18	1092	1092	1095	1727	-	860	1895	1435
	500	20	1194	1194	1200	1981	-	860	2356	1794
	600	24	1397	1397	1407	-	2308	610	4300	3600
	650	26	1448	1448	1461	-	2500	610	4800	4070
	700	28	1549	1549	1562	-	2750	610	5600	4770
	750	30	1651	1651	1664	-	2840	610	6350	5410
800	32	1778	1778	1794	-	3150	720	7890	6840	
900	36	2083	2083	2099	-	3400	720	9112	7802	
900	80	3	381	305	384	584	-	350	95	77
	100	4	457	356	460	711	-	350	130	101
	150	6	610	508	613	863	-	610	280	245
	200	8	737	660	740	1016	-	610	460	341
	250	10	838	787	841	1181	-	720	820	640
	300	12	965	914	968	1320	-	720	1150	930
	350	14	1029	991	1038	1568	-	850	1500	1298
	400	16	1130	1092	1140	-	2159	760	2100	1855
	450	18	1219	1219	1232	-	2381	760	2750	2340
	500	20	1321	1321	1334	-	2451	760	3400	2800
	600	24	1549	1549	1568	-	2971	900	4400	3420
	650	26	1574	1574	-	-	3352	900	5500	4270
	700	28	1663	1663	-	-	3695	900	6900	5454
	750	30	1778	1778	-	-	4000	900	9000	7392
800	32	1854	1854	-	-	4165	900	11000	9042	
900	36	2032	2032	-	-	4597	900	13500	10874	

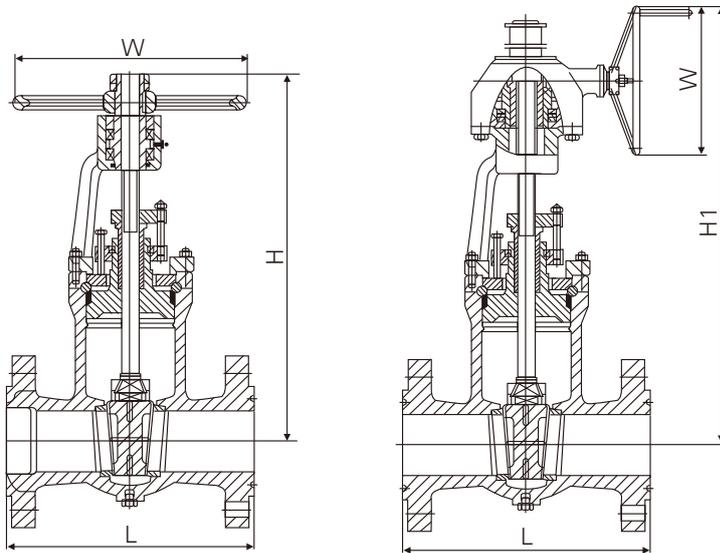


Fig.ZRJO

Fig.5ZRJO

压力等级Pressure:CLASS1500
~2500

压力密封阀盖
弹性闸板
class1500,12"以上采用齿轮传动
class2500,8"以上采用齿轮传动

Pressure sealed bonnet
flexible wedge gate
class1500,12"and above:
class2500,8"and above:
Gear operated

» 主要外形尺寸和重量 Main Dimensions&Weight

压力 CLASS	规格 Size		阀门尺寸 Valve Dimensions						重量 Weight(kg)	
	mm	in	L(RF)	L(BW)	L(RJ)	H	H1	W	RF	BW
1500	80	3	470	305	473	660	-	350	148	110
	100	4	546	406	549	736	-	450	236	180
	150	6	705	559	711	914	-	610	481	370
	200	8	832	771	841	1244	-	720	810	610
	250	10	991	864	1000	1485	-	860	1680	1300
	300	12	1130	991	1146	-	1905	760	2565	2000
	350	14	1257	1067	1276	-	1981	760	3260	2900
	400	16	1384	1194	1407	-	2108	760	4540	3490
	450	18	1537	1346	1559	-	2209	860	5225	4000
	500	20	1664	1473	1686	-	2387	860	6310	4800
	600	24	1943	1943	1972	-	2794	860	9050	7500
	650	26	2033	2033	-	-	3098	1020	9934	8900
	700	28	2209	2209	-	-	3403	1020	11174	10000
	750	30	2286	2286	-	-	3746	1020	14852	13500
800	32	2413	2413	-	-	3048	-	17443	16000	
900	36	2565	2565	-	-	3251	-	21246	18900	
2500	80	3	-	368	-	596	-	450	-	135
	100	4	-	457	-	698	-	610	-	215
	150	6	-	610	-	876	-	610	-	550
	200	8	-	762	-	-	1043	610	-	900
	250	10	-	914	-	-	1170	860	-	1600
	300	12	-	1041	-	-	1322	860	-	2300
	350	14	-	1118	-	-	1379	1020	-	3200
	400	16	-	1245	-	-	1481	1020	-	4100
	450	18	-	1397	-	-	1651	1020	-	5200
	500	20	-	1397	-	-	1811	1020	-	6800
	600	24	-	1625	-	-	1905	-	-	9500
	650	26	-	1778	-	-	2032	-	-	11000
	700	28	-	1905	-	-	2108	-	-	13100
	750	30	-	2032	-	-	2362	-	-	17200
800	32	-	2184	-	-	2463	-	-	19300	
900	36	-	2413	-	-	3063	-	-	25000	

» GB楔式闸阀的主要结构特征 Design characteristics of GB wedged gate valve

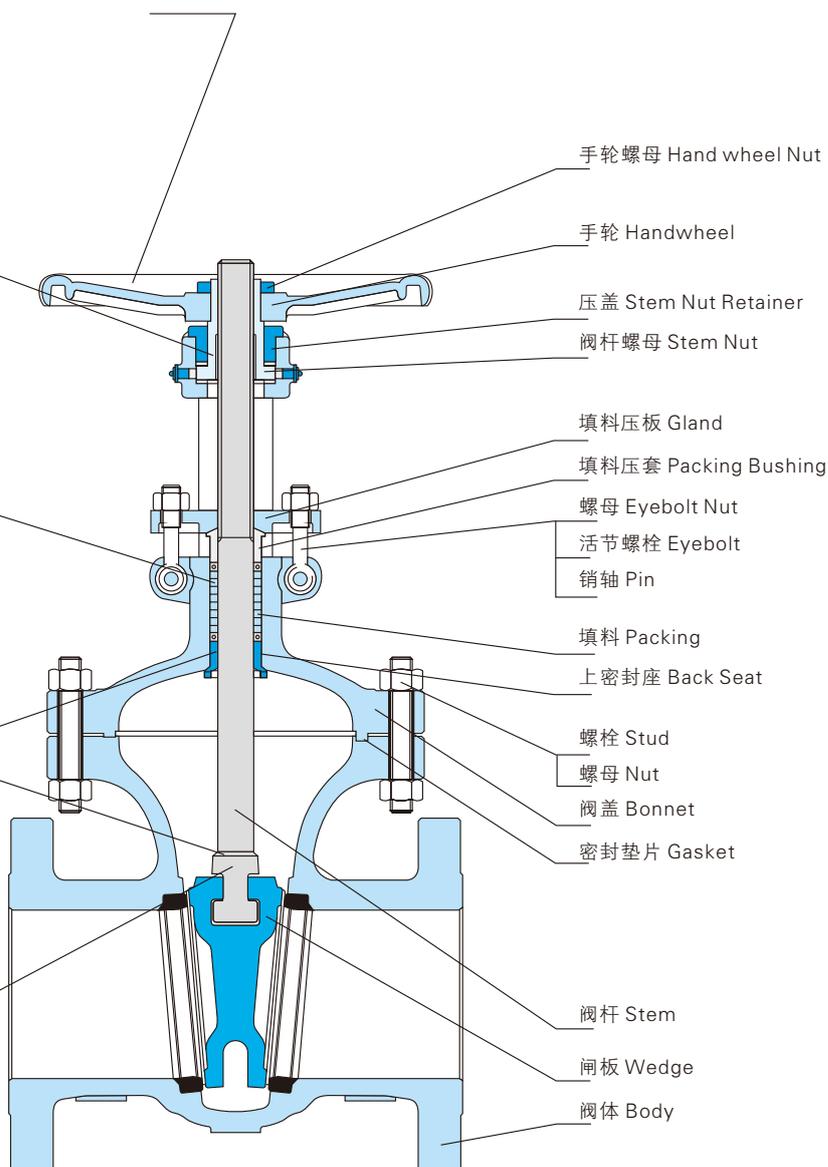
驱动装置根据客户的要求提供，未指定的情况下，采用手轮驱动。
Drive unit is made to user's requests.if not specified,handwheel drive will be sued.

上装式阀杆螺母使阀门在开启位置，即使卸下手轮，阀杆闸板不会下落。
Top-mounted stem nut can prevent stem disc from falling of fwhe valve is at open position and handwheel is taken off.

填料采用柔性石墨材料，密封性能可靠，用户有要求时可提供填料隔环和注油脂结构。
Packing uses flexible graphite for dependable sealing performance.if requested by users,packing spacer ring and greasing mechanism can be available.

阀门上密封的设计，全开时可保证填料，密封可靠。(不推荐带压更换填料)
Upper sealdesign to ensure depen-dable pscking and sealing when valve is fully opened.(Replacement of acking under pressure is not recommended).

升降式阀杆。阀杆与闸板采用T型槽连接，阀杆T型头部整体锻造成型，保证了足够的连接强度。
Lift stem with stem and disc connected by T-slot,and stem Thead integrally forged to ensure sufficeient strength of joint.



- 提示：1、端部连接形式见附录 I
2、闸板结构形式见附录 II
3、阀体与阀座连接形式见附录 III
4、阀体、阀盖连接形式见附录 IV
5、阀杆填料结构见附录 V
6、阀门操作见附录 VI

- Remark: 1、Type of end connection referred to Appendix I
2、Type of disc structure referred to Appendix II
3、Type of body and seat connection referred to Appendix III
4、Type of body and bonnet connection referred to Appendix IV
5、Stem packing structure referred to Appendix V
6、Valve operation referred to Appendix VI

» GB铸钢楔式闸阀的材料明细(标准材料) Materails list for GB Cast steel wedged gate valve

序号 NO.	零件名称 Part Name		碳钢系列 Carbon Steel	不锈钢系列 Stainless Steel	合金钢系列 Alloy Steel	低温钢系列 Low Temperature Steel
1	阀体	Body	WCB	CF8	WC6	LCB
2	闸板	Wedge	WCB	Cf8	Wc6	LCB
3	阀杆	Stem	1Cr13	0Cr18Ni9(304)	25Cr2Mo1VA(F22)	0Cr18Ni9(304)
4	密封垫片	Gasket	柔性石墨+SS304 Graphite+SS304			
5	阀盖	Bonnet	WCB	Cf8	Wc6	LCB
6	六角螺母	Nut	35#	0Cr18Ni9(304)	35CrMoA	0Cr18Ni9(304)
7	双头螺柱	Stud	35CrMoA	0Cr18Ni9(304)	25Cr2MoV	0Cr18Ni9(304)
8	上密封座	Back Seat	1Cr13	0Cr18Ni9(304)	0Cr18Ni9(F304)	0Cr18Ni9(F304)
9	填料	Packing	柔性石墨 Graphite			柔性石墨 Graphite/PTFE
10	销轴	Pin	35#	0Cr18Ni9(304)	1Cr13	0Cr18Ni9(F304)
11	活结螺栓	Eyebolt	35CrMoA	0Cr18Ni9(304)	35	0Cr18Ni9(F304)
12	螺母	Eyebolt Nut	35#	0Cr18Ni9(304)	35CrMoA	0Cr18Ni9(304)
13	填料压套	Packing Bushing	1Cr13	0Cr18Ni9(304)	1Cr13	0Cr18Ni9(304)
14	填料压板	Gland	WCB	CF8	WCB	LCB
15	阀杆螺母	Stem Nut	ZCuAl10Fe3	ZCuAl10Fe3	ZCuAl10Fe3	ZCuAl10Fe3
16	压盖	Stem Nut Retainer	35	0Cr18Ni9(304)	35	0Cr18Ni9(304)
17	手轮	Handwheel	QT400-17	QT400-17	QT400-17	QT400-17
18	手轮螺母	Handwheel Nut	35#	0Cr18Ni9(304)	35	0Cr18Ni9(F304)

提示：1、不同的工况温度和工况介质选用不同的材料
Remark: Select different materials for different working temperature and media
2、常用内件材料的组合及使用温度见附录 VII
Commonly-used trim materials and service temperature referred to Appendix VII

» Gb铸钢楔式闸阀的供货范围 GB Cast steel wedged gate valve product line

压力 Pressure	驱动方式 Operated type	规格Size(mm)																							
		15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000	
PN1.6	手动Hand Operated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	电动Electric Operated					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PN2.5	手动Hand Operated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	电动Electric Operated					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PN4.0	手动Hand Operated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	电动Electric Operated					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PN6.4	手动Hand Operated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	电动Electric Operated					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PN10.0	手动Hand Operated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	电动Electric Operated					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PN16.0	手动Hand Operated	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	电动Electric Operated					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PN20.0	手动Hand Operated					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
	电动Electric Operated					*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

欲订购表中未列出的产品可与本公司销售部门联系。
For sizes and classes not shown, please contact our sales Department

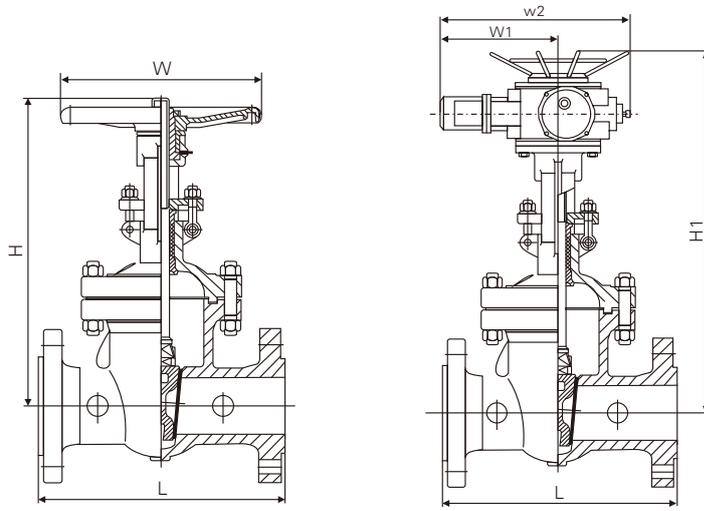


Fig.ZRF0

Fig.9ZRF0

压力Pressure:PN1.6-6.4

栓接阀盖

Dn50以下刚性闸板

Dn50以上弹性闸板

Dn150以上采用分体式支架

PN≥40, 法兰面为凹凸面

Bolted bonnet

< DN50 solid wedge gate

≥DN flexible wedge gate

Dn150 and above:two pieces yoke

PN≥40,MFM Flange Ends

» 主要外形尺寸和重量 Main dimensions & weight

压力 Pressure	规格 Size	尺寸 Dimensions						电装 Operator	重量 Weight(kg)	
		L	H	W	H1	W1	W2		手动 Hand operated	电动 Electric
Pn1.6	15	130	170	120	-	-	-	-	5	-
	20	150	190	140	-	-	-	-	6.5	-
	25	160	205	160	-	-	-	-	9	-
	32	180	270	180	-	-	-	-	12	-
	40	240	310	200	630	371	590	DZW5A	26.5	87.5
	50	250	358	240	678	371	590	DZW10A	29	90
	65	270	373	240	693	371	590	DZW10A	33	96
	80	280	435	280	755	371	590	DZW15A	46	108
	100	300	500	320	820	371	590	DZW20A	63	126
	125	325	614	360	934	371	590	DZW20A	108	173
	150	350	674	360	994	371	590	DZW20A	134	199
	200	400	818	400	1138	371	590	DZW30A	192	254
	250	450	969	450	1409	371	590	DZW30A	273	310
	300	500	1145	560	1588	515	810	DZW45A	379	391
	350	550	1280	640	1755	540	830	DZW90A	590	729
	400	600	1450	640	1902	540	830	DZW120A	849	992
	450	650	1563	720	2141	540	830	DZW120A	907	1168
	500	700	1676	720	2276	565	870	DZW180A	958	1222
	600	800	1810	800	2474	565	870	DZW250A	1112	1376
	700	900	-	-	3046	770	1170	DZW350A	-	-
800	1000	-	-	3250	770	1170	DZW500A	-	-	
900	1100	-	-	3509	794	1060	DZW800A	-	-	
1000	1200	-	-	3873	794	1060	DZW1000A	-	-	
PN2.5	15	130	170	120	-	-	-	-	5.5	-
	20	150	190	140	-	-	-	-	7	-
	25	160	205	160	-	-	-	-	11	-
	32	180	270	180	-	-	-	-	14	-
	40	240	310	200	630	371	590	DZW5A	20	91
	50	250	358	240	678	371	590	DZW10A	34	95
	65	270	373	240	693	371	590	DZW10A	36	99
	80	280	435	280	755	371	590	DZW15A	50	113
	100	300	500	320	820	371	590	DZW20A	69	132
	125	325	614	360	934	371	590	DZW20A	116	181
	150	350	674	360	994	371	590	DZW20A	141	206
	200	400	818	400	1138	371	590	DZW30A	192	257
	250	450	969	450	1409	515	810	DZW45A	207	317
	300	500	1145	560	1588	515	810	DZW60A	400	412
	350	550	1280	640	1750	540	830	DZW90A	631	750
	400	600	1450	640	1902	540	830	DZW120A	900	1042
	450	650	1563	720	2141	565	870	DZW180A	1013	1274
	500	700	1676	720	2276	565	870	DZW180A	1166	1420
	600	800	1810	800	2474	565	870	DZW250A	1258	1522
	700	900	-	-	3046	770	1170	DZW350A	-	-
800	1000	-	-	3250	770	1170	DZW500A	-	-	
900	1100	-	-	3509	794	1060	DZW800A	-	-	
1000	1200	-	-	3873	794	1060	DZW1000A	-	-	

注: 表中所列电动装置系扬修电装, 如需要, 公司可根据客户要求选配电装或其他驱动装置。

Note: the electric device listed is from YANGXIU. If requested, other electric devices or drive units may be available.

» 主要外形尺寸和重量 Main dimensions & weight

续上表 To be continued

压力 Pressure	规格 Size	尺寸 Dimensions						电装 Operator	重量 Weight(kg)	
		L	H	W	H1	W1	W2		手动 Hand operated	电动 Electric
Pn4.0	15	130	135	120	-	-	-	-	6	-
	20	150	190	140	-	-	-	-	8	-
	25	160	205	160	-	-	-	-	12	-
	32	180	270	180	-	-	-	-	15	-
	40	200	310	200	630	371	590	DZW5A	31	92
	50	250	371	280	691	371	590	DZW10A	34	95
	65	280	393	280	711	371	590	DZW10A	38	102
	80	310	455	320	775	371	590	DZW15A	51	115
	100	350	551	360	871	371	590	DZW20A	81	163
	125	400	634	400	948	371	590	DZW20A	128	190
	150	450	708	400	1028	371	590	DZW20A	155	219
	200	550	858	450	1325	371	590	DZW30A	265	373
	250	650	1015	560	1400	515	810	DZW45A	370	480
	300	750	1201	640	1653	515	810	DZW60A	550	686
	350	850	1308	640	1791	540	830	DZW90A	679	821
	400	950	1483	720	2092	540	830	DZW120A	953	1214
	500	1150	-	-	2465	565	870	DZW250A	-	2150
	600	1350	-	-	-	770	1170	DZW350A	-	-
	700	1450	-	-	-	770	1170	DZW500A	-	-
800	1650	-	-	-	794	1060	DZW800A	-	-	
PN6.4	15	170	140	100	-	-	-	-	7	-
	20	190	140	100	-	-	-	-	9	-
	25	210	215	180	-	-	-	-	12	-
	32	230	270	180	-	-	-	-	16	-
	40	240	345	200	665	371	590	DZW10A	32	93
	50	250	371	280	790	371	590	DZW10A	39	102
	65	280	393	280	840	371	590	DZW15A	43	106
	80	310	455	320	890	371	590	DZW20A	60	123
	100	350	551	360	1020	371	590	DZW20A	89	154
	125	400	638	400	1100	371	590	DZW30A	140	205
	150	450	718	450	1290	515	810	DZW45A	207	317
	200	550	873	560	1475	515	810	DZW60A	327	437
	250	650	1050	640	1500	540	830	DZW90A	467	606
	300	750	1215	640	1820	540	830	DZW120A	590	732
	350	850	-	-	2216	565	870	DZW180A	-	1110
	400	950	-	-	2838	565	870	DZW180A	-	1540
	500	1150	-	-	3320	565	870	DZW250A	-	-
600	1350	-	-	3684	770	1170	DZW500A	-	-	

注：表中所列电动装置系扬修电装，如需要，公司可根据客户要求选配电装或其他驱动装置。

Note: the electric device listed is from YANGXIU. If requested, other electric devices or drive units may be available.

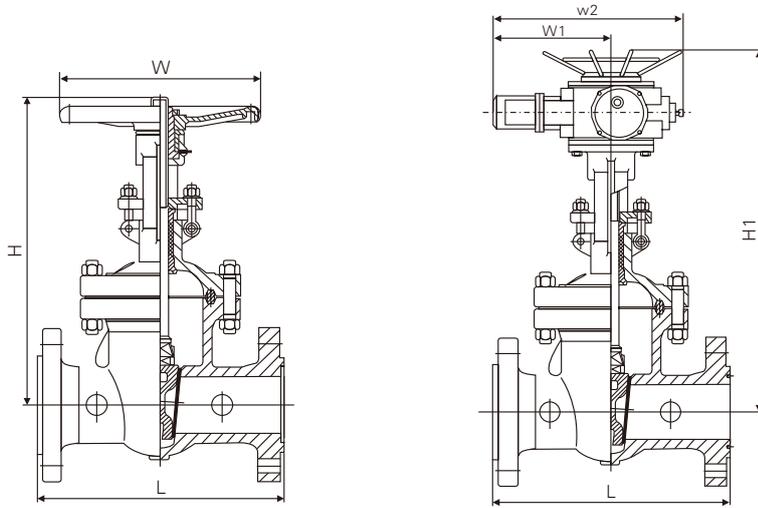


Fig.ZMFM0

Fig.9ZRJ0

压力Pressure: PN10.0~20.0

栓接阀盖或自密封阀盖

Dn50以下刚性闸板

Dn50以上弹性闸板

Dn150以上采用分体式支架

Bolted bonnet or sealed bonnet

< DN50 solid wedge gate

≥ DN flexible wedge gate

Dn150 and above: two pieces yoke

» 主要外形尺寸和重量 Main dimensions & weight

压力 Pressure	规格 Size	尺寸 Dimensions						电装 Operator	重量 Weight(kg)	
		L	H	W	H1	W1	W2		手动 Hand operated	电动 Electric
PN10.0	15	170	140	200	-	-	-	-	6	-
	20	190	140	200	-	-	-	-	11	-
	25	210	310	280	-	-	-	-	13	-
	32	230	320	320	-	-	-	-	20	-
	40	240	360	320	680	371	590	DZW10A	30	113
	50	250	371	360	810	371	590	DZW15A	50	123
	65	280	393	400	860	371	590	DZW20A	70	133
	80	310	455	400	892	371	590	DZW20A	100	165
	100	350	551	400	1013	371	590	DZW30A	110	220
	125	400	638	560	1184	515	810	DZW45A	186	292
	150	450	718	560	1250	515	810	DZW60A	250	389
	200	550	873	560	1250	540	830	DZW90A	360	502
	250	650	1050	640	1650	565	870	DZW180A	485	790
	300	750	1215	640	1800	565	870	DZW250A	633	910
PN16.0	350	850	-	-	2030	565	870	DZW250A	-	1610
	400	950	-	-	2250	770	1170	DZW350A	-	2512
	500	1150	-	-	-	794	1060	DZW800A	-	-
	15	170	230	200	-	-	-	-	7	-
	20	190	260	200	-	-	-	-	10	-
	25	210	280	280	-	-	-	-	14	-
	32	230	312	320	-	-	-	-	21	-
	40	260	350	320	670	371	590	DZW15A	26	118
	50	300	512	360	832	371	590	DZW20A	73	136
	65	340	560	360	880	371	590	DZW20A	110	175
	80	390	585	400	905	371	590	DZW30A	141	206
	100	450	631	450	1071	371	590	DZW30A	185	295
	125	525	723	560	1163	515	810	DZW60A	320	432
	150	600	820	640	1170	540	830	DZW90A	462	601
200	750	990	720	1440	540	830	DZW120A	711	853	
250	-	-	-	-	565	870	DZW180A	-	-	
300	-	-	-	-	565	870	DZW250A	-	-	
PN20.0	50	350	493	360	813	371	590	DZW20A	68	129
	65	410	535	400	855	371	590	DZW30A	90	154
	80	470	576	400	1016	515	810	DZW45A	125	233
	100	550	659	560	1099	515	810	DZW45A	235	348
	125	650	710	560	1160	515	810	DZW60A	-	-
	150	750	790	600	1240	540	830	DZW90A	-	-
	200	832	-	-	-	565	870	DZW180A	-	-
250	991	-	-	-	565	870	DZW250A	-	-	

注: 表中所列电动装置系扬修电装, 如需要, 公司可根据客户要求选配电装或其他驱动装置。

Note: the electric device listed is from YANGXIU. If requested, other electric devices or drive units may be available.