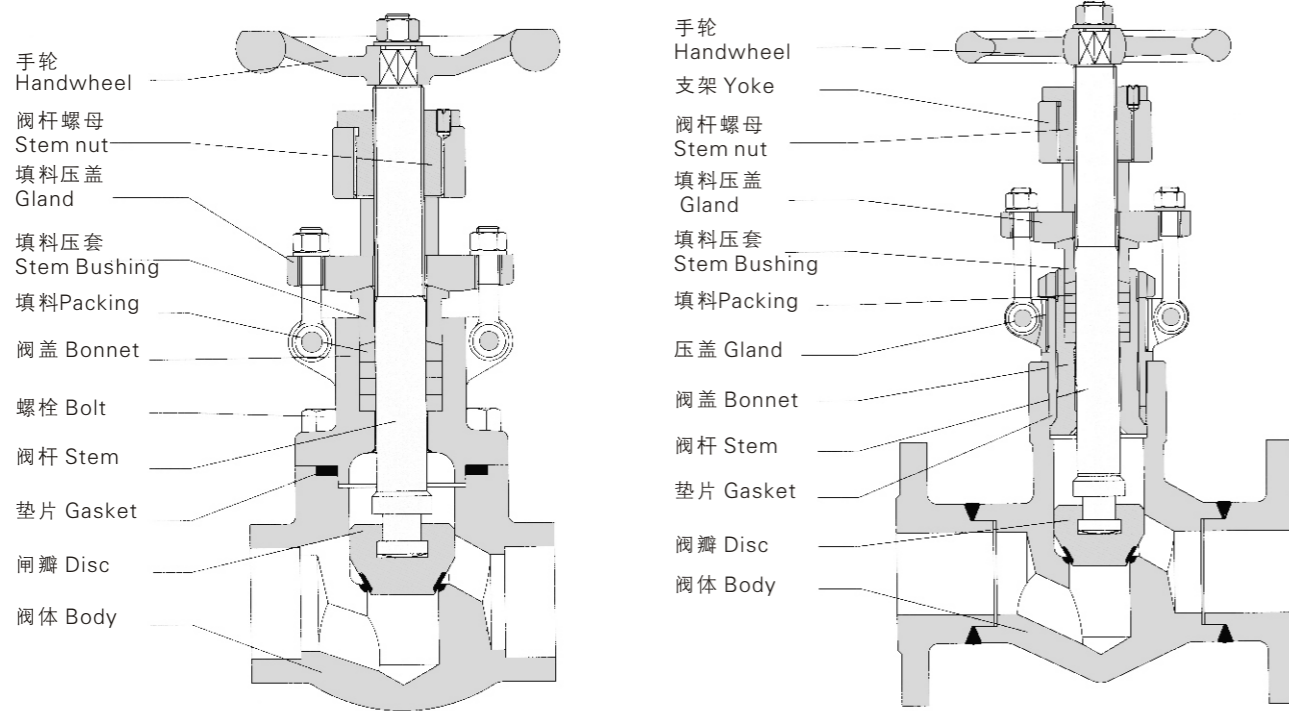


锻钢截止阀 FORGED STEEL GLOBE VALVE

锻钢截止阀的结构图 DESIGN OF FORGED STEEL GLOBE VALVE



主要零件材料 Material List For Main Parts

序号 No.	零件名称 Part name	ASTM材料			
		碳钢 Carb on steel		不锈钢 stainless Steel	合金钢 Alloy Steel
1	阀体 Body	A105	LF2/LF3	A182 F304	A182 F11/F22
2	阀瓣 Disc	A182F6a	A182F6a	A182 F304	A182 F6a
3	阀杆 Stem	A276-410	A276-410	A276-304	A276-410
4	垫片 Gasket	柔性石墨 +304 Graphite +304			
5	密封圈 Sealing ring	柔性石墨 Graphite			
6	支架 Yoke	A216-WCB	A216-WCB	A351 CF8	A216-WCB
7	阀盖 Bonnet	A105	A350 LF2/LF3	A182 F304	A182 F11/F22
8	压盖 Gland	A216-WCB	A216-WCB	A351 CF8	A216-WCB
9	螺栓 Bolt	A193 B7	A320 L7	A193 B8	A193 B16
10	填料 Packing	柔性石墨 Graphite			
11	填料压套 Stem Bushing	A276-410	A276-410	A276-304	A276-410
12	填料压盖 Gland	A216-WCB	A216-WCB	A351 CF8	A216-WCB
13	活节螺栓 Eye blot	A193 B7	A320 L7	A193 B8	A193 B7
14	阀杆螺母 Stem nut	A276-410			
15	手轮 handwhell	A197或A47-32510			

锻钢截止阀 FORGED STEEL GLOBE VALVE

锻钢截止阀供货范围 FORGED STEEL GLOBE VALVE PRODUCT LINE

连接方式 Ends	通径形式 Port	结构形式 Structure	压力 Pressure	规格(Size)									
				8	10	15	20	25	32	40	50	65	
			CLASS	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	
法兰、对焊 Flange、Buttwel	缩径 RP	栓接/焊接阀盖-上螺纹式 BB/WB-OS&Y	150			*	*	*	*	*	*	*	*
			300			*	*	*	*	*	*	*	*
			600			*	*	*	*	*	*	*	*
法兰、对焊 Flange、Buttwel	全径 PP	栓接/焊接/自密封阀盖-上螺纹式 BB/WB/PB-OS&Y	900			*	*	*	*	*	*	*	
			1500			*	*	*	*	*	*	*	
法兰、对焊 Flange、Buttwel	缩径 RP	栓接/焊接阀盖-上螺纹式 BB/WB-OS&Y	900			*	*	*	*	*	*	*	
			1500			*	*	*	*	*	*	*	
			2500			*	*	*	*	*	*	*	
螺纹、承插焊 Threaded、Socket	缩径 RP	栓接/焊接阀盖-上螺纹式/下螺纹式 BB/WB OS&Y/ISRS	150	*	*	*	*	*	*	*	*	*	
			300	*	*	*	*	*	*	*	*	*	
			600	*	*	*	*	*	*	*	*	*	
			800	*	*	*	*	*	*	*	*	*	
螺纹、承插焊 Threaded、Socket	全径 FP	栓接/焊接阀盖-上螺纹式/下螺纹式 BB/WB OS&Y/ISRS	150	*	*	*	*	*	*	*	*	*	
			300	*	*	*	*	*	*	*	*	*	
			600	*	*	*	*	*	*	*	*	*	
			800	*	*	*	*	*	*	*	*	*	
螺纹、承插焊 Threaded、Socket	全径 FP	栓接/焊接/自密封阀盖-上螺纹式 BB/WB OS&Y/ISRS	900	*	*	*	*	*	*	*	*		
			1500	*	*	*	*	*	*	*	*		
法兰、对焊、螺纹、承插焊 Flange、Buttweld Threaded、Socket	全径 FP	栓接加长阀盖-上螺纹式(低温) BB-LB-OS&Y	150			*	*	*	*	*	*	*	
			300			*	*	*	*	*	*	*	
			600			*	*	*	*	*	*	*	
			800			*	*	*	*	*	*	*	
螺纹、承插焊 Threaded、Socket	全径 FP	Y形/栓接/焊接阀盖-上螺纹式 BB/WB-OS&Y	800										
			1500										

性能范围 Performance Specification

公称压力 Normina Pressure		CLASS						
		150	300	600	800	900	1500	2500
试验压力 (Mpa) Test Pressure	壳体试验 Shell Test	2.93	7.55	10.0	20.1	15.0	37.5	63.0
	高压密封 High Pressure Seal Test	2.07	5.52	7.31	14.7	11.03	27.5	46.0
	低压密封 Low Pressure Seal Test	0.6						
适用温度 Applicable Temperature		≤425℃						
适用介质 Applicable Medium		水、油、气 Water、oil&gas						

锻钢截止阀 FORGED STEEL GLOBE VALVE

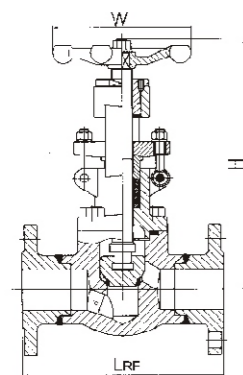


Fig.JRFBO

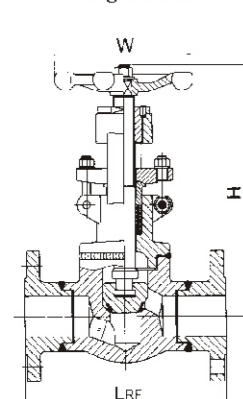
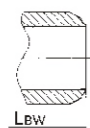


Fig.JRFWO



压力Pressure :CLASS150~600

- 栓接阀盖或焊接式阀盖
Bolted bonnet or welded bonnet
- 缩径
Reduced Port
- 锥形阀瓣或针形阀瓣
General or needle type disc
- 法兰连接或对焊连接
Flange ends or Butt-welding ends

技术规范 Technical Specification

设计标准 Design Standard	ASME B16.34/BS5352
压力温度等级 Pressure-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
对焊端连接Buttwelding Ends	ASME B16.25
检验与试验 Inspection & Test	API598

主要外形尺寸和重量 Main Dimensions & Weight

压力 Pressure	规格Size in.	阀门尺寸 Valve Main Dimension						重量 Weight(kg)
		d(缩径)	L _{RF}	L _{BW}	L _{RTJ}	H	W	
CLASS150	1/2	10	108	108	119	158	100	4.5
	3/4	13	117	117	130	163	100	6.9
	1	19.1	127	127	140	193	125	9.8
	1-1/4	24	140	140	152	250	160	13.5
	1-1/2	31.8	165	165	178	250	160	19.5
	2	38.1	203	203	216	291	180	28.0
CLASS300	1/2	10	152	152	164	158	100	4.8
	3/4	13	178	178	190	163	100	7.7
	1	19.1	203	203	216	193	125	11.0
	1-1/4	24	216	216	229	250	160	16.8
	1-1/2	31.8	229	229	241	250	160	21.2
	2	38.1	267	267	283	291	180	32.6
CLASS600	2-1/2	48.5	292	292	308	350	240	38.0
	1/2	10	165	165	165	158	100	5.6
	3/4	13	190	190	190	163	100	7.8
	1	19.1	216	216	216	193	125	12.5
	1-1/4	24	229	229	229	250	160	17.0
	1-1/2	31.8	241	241	241	250	160	23.5
2	38.1	292	292	295	291	180	38.8	
2-1/2	48.5	330	330	333	350	240	42.6	

注：H为阀门全开时的高度 Note:H means the height when valve is fully opened.

锻钢截止阀 FORGED STEEL GLOBE VALVE

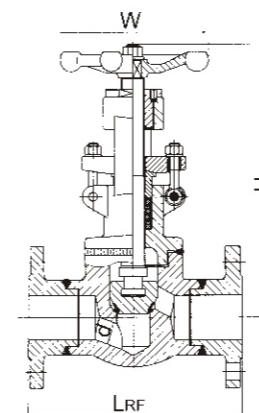


Fig.JFRW0

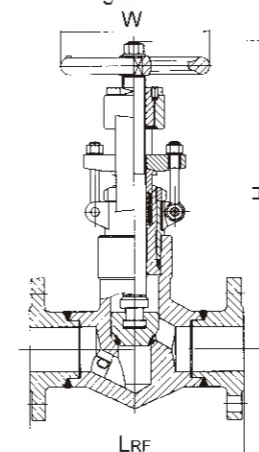
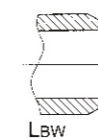


Fig.JRFP0



压力Pressure :CLASS900~1500

- 栓接阀盖/焊接式阀盖/自密封阀盖
Bolted bonnet/welded bonnet/pressure sealed bonnet
- 全径
Full Port
- 锥形阀瓣
General disc
- 法兰连接/对焊连接
Flange ends/Butt-welding ends

技术规范 Technical Specification

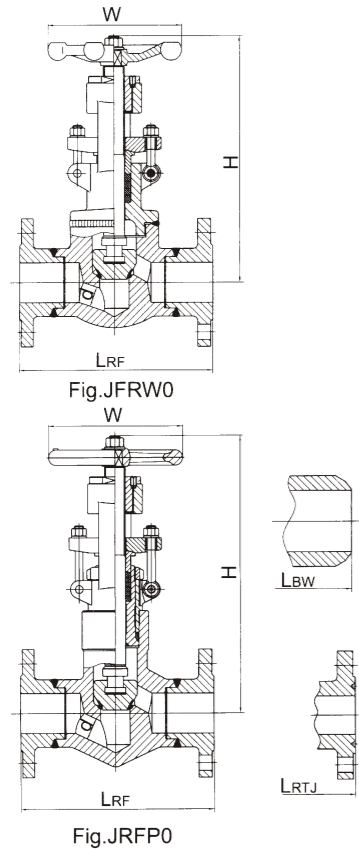
技术规范 Technical Specification	ASME/API/BS
设计标准 Design Standard	ASME B16.34/BS5352
压力温度等级 Pressure-Temperature Rating	ASME B16.34
结构长度 Face-Face	ASME B16.10
法兰型式尺寸 Flange Ends	ASME B 16.5
对焊端连接Buttwelding Ends	ASME B16.25
检验与试验 Inspection & Test	API598

主要外形尺寸和重量 Main Dimensions & Weight

压力 Pressure	规格Size in.	阀门尺寸 Valve Main Dimension						重量 Weight(kg)		
		d (全径)	L _{RF}	L _{BW}	L _{TRJ}	H		W	BB/WB	PB
						BB/WB	PB			
CLASS900/ CLASS1500	1/2	13	216	216	216	207	207	125	7.4	15.5
	3/4	18	229	229	229	240	207	125	12.5	16.9
	1	24	254	254	254	258	240	160	16.0	18.9
	1-1/4	29	279	279	279	290	258	160	17.2	25.5
	1-1/2	36.5	305	305	305	337	290	180	23.0	34.3
	2	46.5	368	368	371.2	354	337	240	29.8	52.8

注：H为阀门全开时的高度 Note:H means the height when valve is fully opened.

锻钢截止阀 FORGED STEEL GLOBE VALVE



压力Pressure :CLASS900~2500

- 焊接式 阀盖/自密封 阀盖
Welded Bonnet/ Pressure Sealed Bonnet
- 缩径
Reduced Port
- 锥形 阀瓣
General disc
- 法兰 连接/对焊 连接
Flange ends/ Butt-welding ends

技术规范 Technical Specification

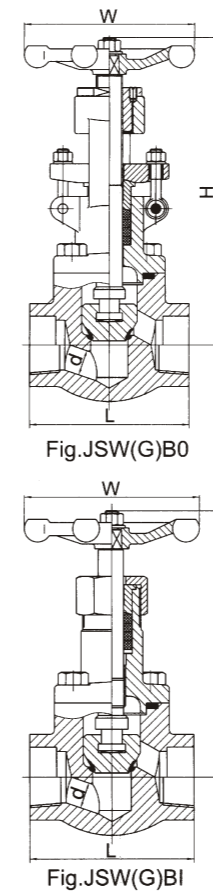
技术规范 Technical Specification	ASME/API/BS
设计标准 Design Standard	ASME B16.34/BS5352
压力温度等级 Pressure-Temperature Rating	ASME B16.34
结构长度 Face-Face	ASME B16.10
法兰型式尺寸 Flange Ends	ASME B 16.5
对焊端连接Buttwelding Ends	ASME B16.25
检验与试验 Inspection & Test	API598

主要外形尺寸和重量 Main Dimensions & Weight

压力 Pressure	规格Size in.	阀门尺寸 Valve Main Dimension							重量 Weight(kg)	
		d (缩径)	L _{RF}	L _{BW}	R _{RTJ}	H		W	WB	PB
						WB	PB			
CLASS900	1/2	10	216	216	216	310	333	180	13.5	12.5
	3/4	13	229	229	229	310	333	180	12.6	11.8
	1	19.1	254	254	254	310	333	180	11.8	11.5
	1-1/4	25	279	279	279	389	420	200	24.4	23.5
	1-1/2	32	305	305	305	389	420	200	22.5	21.7
CLASS1500	1/2	10	216	216	216	310	333	180	13.5	12.5
	3/4	13	229	229	229	310	333	180	12.6	11.8
	1	19.1	254	254	254	310	333	180	11.8	11.5
	1-1/4	25	279	279	279	389	420	200	24.4	23.4
	1-1/2	32	305	305	305	389	420	200	22.5	21.7
CLASS2500	1/2	10	264	264	264	310	333	180	14.3	13.3
	3/4	13	276	276	273	310	333	180	13.1	12.5
	1	19.1	308	308	308	310	333	180	12.4	11.8
	1-1/4	25	349	349	252.2	389	420	200	25.0	25.5
	1-1/2	32	384	384	387.2	389	420	200	24.2	24.6
2	38.1	451	451	454.2	498	524	300	49.0	47.2	

注: H为阀门全开时的高度 Note:H means the height when valve is fully opened.

锻钢截止阀 FORGED STEEL GLOBE VALVE



压力Pressure :CLASS150~600&CLASS800

- 栓接 阀盖或焊接 阀盖
Bolted bonnet or welded bonnet
- 上 螺纹或下 螺纹 阀杆 结构
Outside screw or Inside screw stem
- 全径 或 缩径
Full port or reduced port
- 锥形 阀瓣 或 针形 阀瓣
General or meddle type disc
- 螺纹 连接 或 承插 焊 连接
Treaded ends or SW ends

技术规范 Technical Specification

技术规范 Technical Specification	ASME/AP/BSI
设计标准 Design Standard	BS5352
压力温度等级 Pressure-Temperature Rating	ASME B16.34
结构长度 Face-Face	工厂标准 Factory Standard
对焊端连接Buttwelding Ends	ASME B16.11
螺纹连接 Threaded ENDS	ASME B1.20.1
检验与试验 Inspection & Test	API598

主要外形尺寸和重量 Main Dimensions & Weight

压力 Pressure	结构形式 Structure	规格Size		阀门尺寸 Valve Main Dimension					重量 Weight(kg)	
		in		d		L	H	W	Weight(kg)	
		缩径	全径	缩径	全径				缩径	全径
CLASS 150~600 CLASS800	上 螺纹式 OS&Y	1/4	-	7	-	79	153	100	2.2	-
		3/8	1/4	10	7	79	153	100	2.2	2.2
		1/2	3/8	10	10	79	158	100	2.2	2.2
		3/4	1/2	13	13	92	163	100	2.2	2.2
		1	3/4	18	18	111	193	125	4.7	4.3
		1-1/4	1	24	24	120	250	160	5.9	5.9
		1-1/2	1-1/4	29	29	120	250	160	6.9	6.9
		2	1-1/2	36.5	36.5	140	291	180	11.1	11.1
CLASS 150~600 CLASS800	下 螺纹式 ISRS	-	2	-	46.5	178	350	240	-	15.2
		1/4	-	7	-	79	157	100	1.9	-
		3/8	1/4	10	7	79	157	100	1.7	2.2
		1/2	3/8	10	10	79	157	100	1.6	2.0
		3/4	1/2	13	13	92	165	100	2.1	1.9
		1	3/4	18	18	111	195	125	3.3	2.4
		1-1/4	1	24	24	120	267	160	7.5	3.5
		1-1/2	1-1/4	29	29	152	267	160	7.8	8.0
2	1-1/2	36.5	36.5	172	301	180	11.4	8.6		
-	2	-	46.5	200	312	240	-	14.4		

注: H为阀门全开时的高度 Note:H means the height when valve is fully opened.

锻钢截止阀 FORGED STEEL GLOBE VALVE

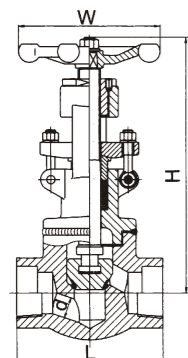


Fig.JSW(G)WO

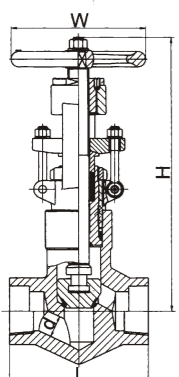


Fig.JSW(G)PO

压力Pressure :CLASS900~1500

- 栓接阀盖/焊接式阀盖/自密封阀盖
Bolted bonnet/Welded bonnet /Pressure sealed bonnet
- 全径
Full port
- 锥形阀瓣或针形阀瓣
General or needle type disc
- 螺纹连接或承插焊连接
Treaded ends or SW ends

技术规范 Technical Specification

技术规范 Technical Specification	ASME/API/BS
设计标准 Design Standard	BS5352
压力温度等级 Pressure-Temperature Rating	ASME B16.34
结构长度 Face-Face	工厂标准Factory Standard
承插焊端连接 Socket-welded Ends	ASME B16.11
螺纹连接 Threaded Ends	ASME B1.20.1
检验与试验 Inspection & Test	API598

主要外形尺寸和重量 Main Dimensions & Weight

压力 Pressure	规格Size in	阀门尺寸Valve Main Dimension								重量 Weight(kg)	
		d(全径)		L		H		W		BB/WB	PB
		BB/WB	PB	BB/WB	PB	BB/WB	PB	BB/WB	PB		
CLASS900	1/4	7	-	111	-	207	-	100	-	2.4	-
	3/8	10	-	111	-	207	-	100	-	2.2	-
	1/2	13	13	111	140	207	207	100	125	2.0	11.2
	3/4	18	18	130	140	240	207	125	125	3.8	10.5
	1	24	24	152	140	258	240	160	160	4.2	10.1
	1-1/4	29	29	172	178	290	258	160	160	8.0	21.0
	1-1/2	36.5	36.5	220	178	337	290	180	180	13.2	19.6
CLASS1500	2	46.5	46.5	235	216	354	337	240	240	16.8	40.4
	1/4	7	-	111	-	207	-	100	-	2.4	-
	3/8	10	-	111	-	207	-	100	-	2.2	-
	1/2	13	13	111	140	207	207	100	125	2.0	11.2
	3/4	18	18	130	140	240	207	125	125	3.8	10.5
	1	24	24	152	140	258	240	160	160	4.2	10.1
	1-1/4	29	29	172	178	290	258	160	160	8.0	21.0
1-1/2	36.5	36.5	220	178	337	290	180	180	13.2	19.6	
2	46.5	46.5	235	216	354	337	240	240	16.8	40.4	

注：H为阀门全开时的高度 Note:H means the height when valve is fully opened.