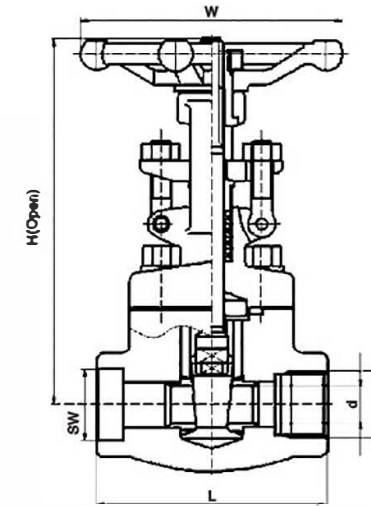
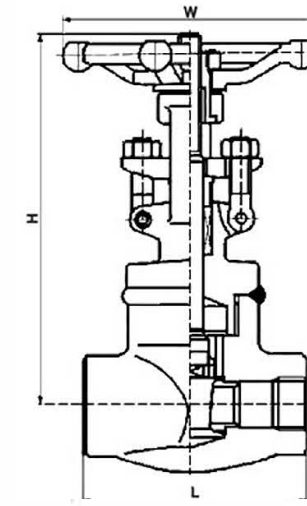


Contents 目录

CL150~800 承插焊和内螺纹连接闸阀/S.W(NPT)gate valve	01
CL900~1500承插焊和内螺纹连接闸阀/S.W(NPT)gate valve	02
CL900~1500自密封闸阀/P.S steel gate valve	03
CL900~1500对接焊闸阀/Butt welding gate valve	04
CL2500自密封闸阀/P.S gate valve	05
CL2500对焊闸阀/Butt Welding Gate Valve	06
CL150~600法兰闸阀/Flange gate valve	07
PN1.6~PN10.0MPa法兰闸阀/Flange gate valve	08
CL150~800承插焊和内螺纹连接截止阀/S.W (NPT) globe valve	09
CL900~1500承插焊和内螺纹连接截止阀.S.W (NPT) globe valve	10
CL900~1500自密封截止阀/P.S globe valve	11
CL900~1500对焊截止阀/Butt welding globe valve	12
CL2500自密封截止阀/P.S globe valve	13
CL150~600法兰截止阀/Flange globe valve	14
PN1.6~10.0MPa法兰截止阀/Flange globe valve	15
CL150~800承插焊和内螺纹连接止回阀/S.W (NPT) check valve	16
CL900~1500承插焊和内螺纹连接止回阀/S.W (NPT) check valve	17
CL800承插焊和内螺纹连接旋启式止回阀/S.W (NPT) swing check valve	18
CL150~600法兰止回阀/Flange check valve	19
CL150~800承插焊(内螺纹)球形止回阀/S.W (NPT) Ball Check Valve	20
CL900~1500承插焊和内螺纹连接Y型止回阀/S.W (NPT) Y type check valve	21
CL150~800承插焊和内螺纹连接Y型过滤器/S.W (NPT) Y-strainer	22
CL800~1500承插焊和内螺纹连接Y型截止阀/S.W (NPT)Y type globe valve	23
CL150~800承插焊和内螺纹连接节流阀/S.W (NPT) throttle valve	24
CL150~600法兰节流阀/Flange throttle valve	25
CL150~800承插焊和内螺纹连接低温闸阀/S.W (NPT) cryogenic gate valve	26
CL150~600低温法兰闸阀/Flange cryogenic gate valve	27
CL150~800承插焊和内螺纹连接低温截止阀/S.W (NPT) cryogenic globe valve	28
CL150~600低温法兰截止阀/Flange cryogenic globe valve	29
CL150~800承插焊和内螺纹连接截止止回阀/S.W (NPT) globe check valve	30
CL150~600放空导淋阀/Short lead leaching valve	31
CL800放空导淋阀/Short lead leaching valve	32
CL150~800承插焊波纹管阀门/S.W Bellows valve	33
CL150~800内螺纹球阀/NPT Ball valve	34
CL1500内螺纹球阀/NPT Ball valve	35
客户须知/Client notice	36-42
主要规范和标准/Main specification and standard	43
典型锻钢阀门/Typical forged steel valve	44-45
主体材质化学成分和机械性能/Material chemical analysis and mechanical capacity	46
常用ASTM材质化学与物理特性/Commonly used ASTM material chemical and physical properties	47
温度压力等级/Temperature and pressure rating	48
备忘录/Memorandum	49



Z61H-800LB-F1*



HZ61Y-800LB-1 1/2*

特征和应用规范/Features and applications

- 全径或缩径
- 结构: B.B或W.B;OS&Y
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 密封副材质: 按“客户须知”和使用环境而定
- Reduced or full port
- Construction: B.B & W.B; OS&Y
- Gasket: Stainless steel+graphite
- Socket welding & threaded ends
- Material for hard trim is depend on client notice & operating condition

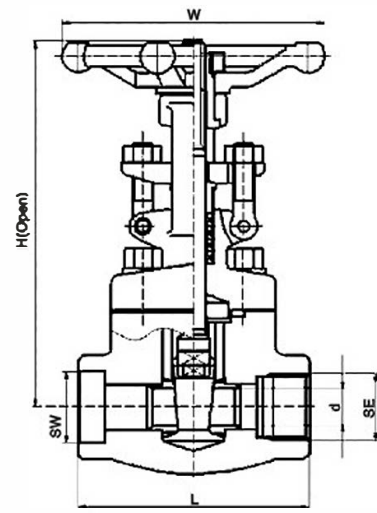
- 设计和制造: API 602; ANSI B16.34; JB/T 7746
- 承插焊端: ANSI B16.11; JB/T 1751
- 螺纹端: ANSI B1.20.1或GB 7306
- 阀门试验和检验: API 598; JB/T 9092
- 主体材料: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Design & manufacture: API 602 & ANSI B16.34; JB/T 7746
- Socket welding dimension: ANSI B16.11 & JB/T 1751
- Screw end dimension: ANSI B1.20.1 & GB7306
- Inspect and test: API 598; JB/T 9092
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

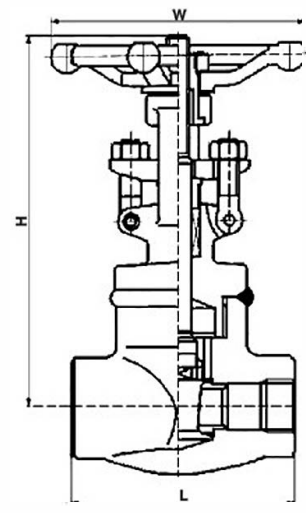
公称通径 Nominal diameter	缩径 Reduced port	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径 Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d	mm		7	7	10	12.7	16	23	28.5	36	43
L	mm		79	79	79	92	111	120	120	140	170
H(开 Open)	mm		150	150	150	165	190	227	240	275	332
W	mm		95	95	95	95	120	155	155	180	215

CL 900~1500 PN16.0~25.0MPa
承插焊(内螺纹)闸阀/S.W(NPT) Gate Valve

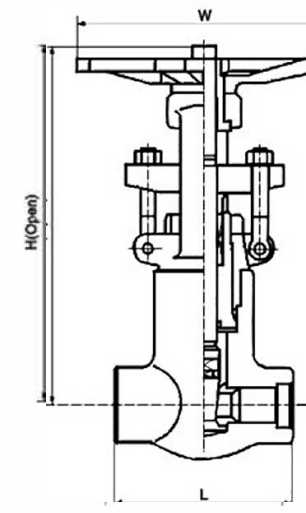
CL900~1500 PN16.0~25.0MPa
自密封闸阀/P.S Gate Valve



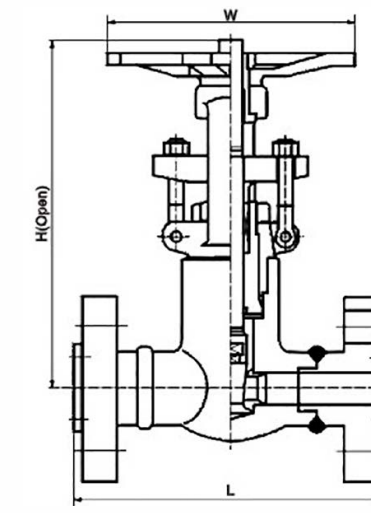
Z61H-1500LB-F1*



HZ11Y-900LB-1 1/2*



PZ61Y-160-DN25



PZ41Y-900LB-3/4*

特征和应用规范/Features and applications

- 全径
- 结构: B.B或W.B;OS&Y
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 密封副材质: 按“客户须知”和使用环境而定
- Design and manufacture: API 602; ANSI B16.34; JB/T 7746
- 承插焊端: ANSI B16.11; JB/T 175
- 螺纹端: ANSI B1.20.1; GB 7306
- 阀门试验和检验: API 598; JB/T 9092
- 主体材料: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Socket welding & threaded ends
- Material for hard trim is depend on client notice & operating condition
- Design & manufacture: API 602; ANSI B16.34; JB/T 7746
- Socket welding dimension: ANSI B16.11; JB/T 175
- Screw end dimension: ANSI B1.20.1; GB7306
- Inspect and test: API 598; JB/T 9092
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter	mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d(R.P)	mm	8	10	13	18	23	28	36
L	mm	79	92	111	120	120	140	170
H(开 Open)	mm	150	165	190	227	240	275	334
W	mm	95	95	120	155	155	180	215

特征和应用规范/Features and applications

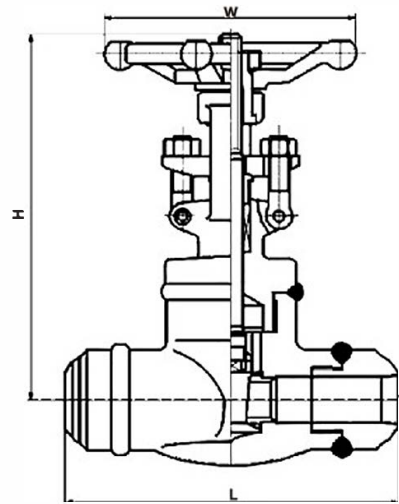
- 结构: P.S; OS&Y
- 承插焊; 螺纹; 法兰连接
- 全径
- 可更换阀座
- 设计和制造: API 602; ANSI B16.34; JB/T 7746
- 结构长度: ANSI B16.10; JB/T 97
- 承插焊: ANSI B16.11; JB/T1751
- 法兰尺寸: ANSI B16.5; JB/T82.1 ~ 82.4; HG/T20592
- 螺纹端尺寸: ANSI B1.20.1(NPT); GB/T7306
- 检验和试验: API 598; JB/T 9092
- 主体材料: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Construction: P.S; OS & Y
- Socket welding; Screw; Flange
- Full port
- Replaceable hard-faced seats
- Design & manufacture: API 602; ANSI B16.34 JB/T 7746
- Face to face: ANSI B16.10; JB/T 97
- Socket welding dimension: ANSI B16.11; JB/T 1751
- Flange dimension: ANSI B16.5; JB/T 82.1~82.4; HG/T 20592
- Screw end dimension: ANSI B1.20.1(NPT); GB/T 7306
- Inspect and test: API 598; JB/T 9092
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

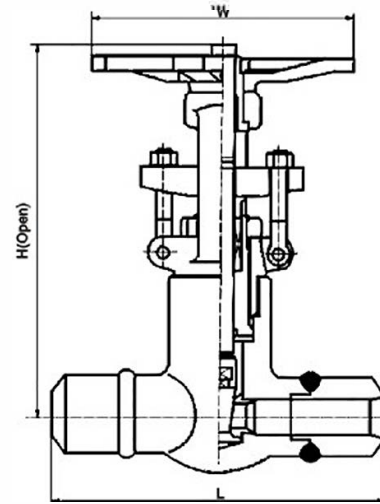
公称直径 Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
d	mm	13	13	18	23	28	36	
L	SW(NPT)	mm	140	140	140	178	178	216
	RTJ	mm	216	229	254	279	305	371.2
H(开 Open)	mm	321	321	321	380	414	502	
W	SW(NPT)	mm	120	120	160	160	180	200
	RTJ	mm	160	160	200	200	250	280

CL900~1500 PN16.0~25.0MPa
对接焊闸阀/Butt Welding Gate Valve

CL2500 PN42.0MPa
自密封闸阀/P.S Gate Valve



HZ51Y-160-DN40



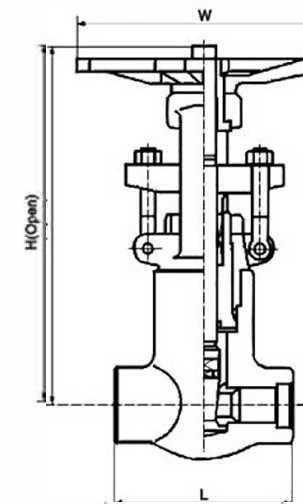
PZ51W-1500LBP-1

特征和应用规范/Features and applications

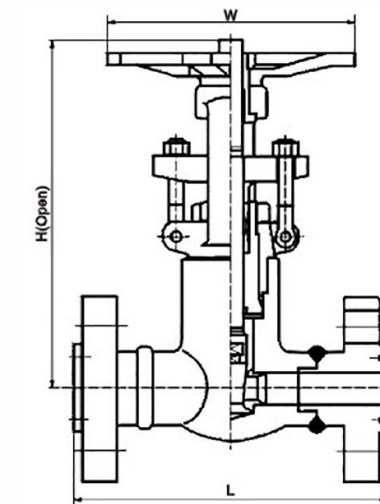
- ⊙ 结构: P.S或W.B; OS & Y
- ⊙ 缩径
- ⊙ 可更换阀座
- ⊙ 对焊连接
- ⊙ 结构长度: ANSI B16.10
- ⊙ 设计和制造: API 602 & ANSI B16.34; JB/T 7746
- ⊙ 对焊端尺寸: ANSI B16.25或GB/T12224
- ⊙ 检验和试验: API 598或JB/T9092
- ⊙ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- ⊙ Construction: P.S & W.B; OS & Y
- ⊙ Reduced port
- ⊙ Replaceable hard-faced seats
- ⊙ Butt welding
- ⊙ Face to face: ANSI B16.10
- ⊙ Design & manufacture: API 602 & ANSI B16.34; JB/T 7746
- ⊙ Butt welding ends dimension: ANSI B16.25 & GB/T 12224
- ⊙ Inspect and test: API 598 & JB/T 9092
- ⊙ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter		mm(In)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d		mm	13	13	18	23	28	36
L		mm	140	140	140	178	178	228
H(开 Open)	P.S	mm	321	321	321	380	414	495
	W.B	mm	297	297	297	343	380	456
w		mm	160	160	180	200	250	280



PZ61Y-420-DN15



PZ41Y-2500LB-3/4"

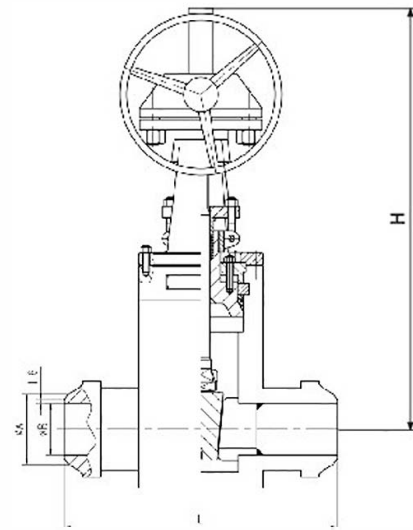
特征和应用规范/Features and applications

- ⊙ 结构: P.S; OS & Y
- ⊙ 承插焊; 螺纹; 法兰连接
- ⊙ 可更换阀座
- ⊙ 设计和制造: ANSI B16.34
- ⊙ 结构长度: ANSI B16.10; JB/T 97
- ⊙ 法兰尺寸: ANSI B16.5; JB/T 82.1 ~ 82.4; HG/T 20592
- ⊙ 承插焊尺寸: ANSI B16.11; JB/T 1751
- ⊙ 螺纹: ANSI B1.20.1(NPT); GB/T 7306(Rc)
- ⊙ 检验和试验: API 598
- ⊙ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- ⊙ Construction: P.S; OS & Y
- ⊙ Socket welding; Screw end; Flange
- ⊙ Replaceable hard-faced seats
- ⊙ Design & manufacture: ANSI B16.34
- ⊙ Face to face: ANSI B16.10; JB/T 97
- ⊙ Flange dimension: ANSI B16.5; JB/T 82.1 ~ 82.4; HG/T 20592
- ⊙ Socket welding dimension: ANSI B16.11; JB/T 1751
- ⊙ Screw end dimension: ANSI B1.20.1(NPT); GB/T 7306(Rc)
- ⊙ Inspect and test: API 598
- ⊙ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter		mm(In)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d		mm	11	14	19	25	28	36
L	SW(NPT)	mm	186	186	186	178	220	279
	RTJ	mm	264	273	308	352.2	387.2	454.2
H(开 Open)		mm	321	321	321	375	406	496
w	SW(NPT)	mm	120	120	160	160	160	200
	RTJ	mm	160	160	180	200	260	280

CL2500 PN42.0MPa
对焊闸阀/Butt Welding Gate Valve



PZ551Y-2500LB-6*

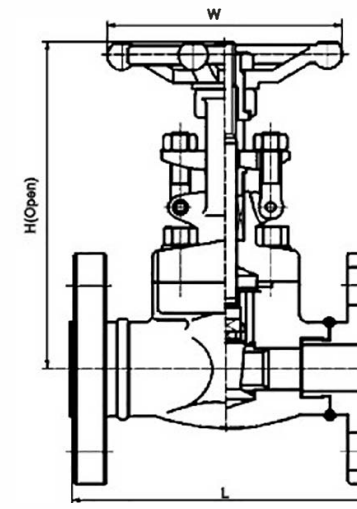
特征和应用规范/Features and applications

- 结构: P.S或W.B; OS & Y
- 对焊连接
- 缩径
- 设计和制造: API 602 & ANSI B16.34
- 结构长度: ANSI B16.10
- 对焊端尺寸: ANSI B16.25
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F1 1、F22、F304、F304L、F316、F316L等
- Construction: P.S & W.B; OS & Y
- Butt welding
- Reduced port
- Design & manufacture: API 602 & ANSI B16.34
- Face to face: ANSI B16.10
- Welding end dimension: ANSI B16.25
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

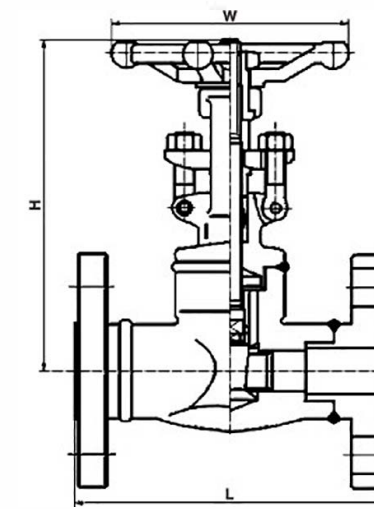
尺寸/Dimensions

公称直径 Nominal diameter	mm(In)	150(6)
d(R.P)	mm	111
L	mm	610
H	mm	945
w	mm	725

CL150~600
法兰闸阀/Flange Gate Valve



Z41H-300LB-1*



HZ41Y-150LB-11/2*

特征和应用规范/Features and applications

- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 法兰连接
- 可更换闸座
- 设计和制造: API 602; ANSI B16.34
- 法兰尺寸: ANSI B16.5
- 结构长度: ANSI B16.10
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F1 1、F22、F304、F304L、F316、F316L等
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Flange
- Replaceable hard-faced seats
- Design & manufacture: API 602; ANSI B16.34
- Flange dimension: ANSI B16.5
- Face to face: ANSI B16.10
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

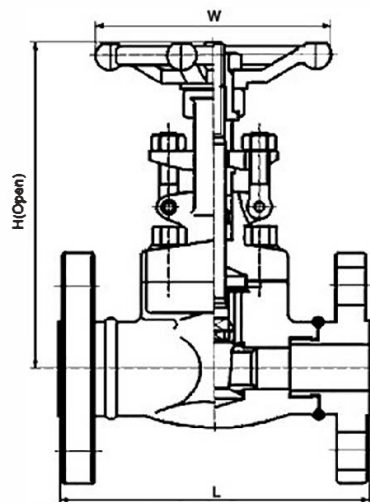
尺寸/Dimensions

公称直径 Nominal diameter		mm(In)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d		mm	10	13	18	23	28	36
L	CL150	mm	108	117	127	140	165	178
	CL300	mm	140	152	165	178	190	216
	CL600	mm	165	190	216	229	241	292
H	CL150	mm	133	150	184	218	246	283
	CL300-600	mm	166	169	193	230	246	283
w		mm	100	100	120	160	160	180

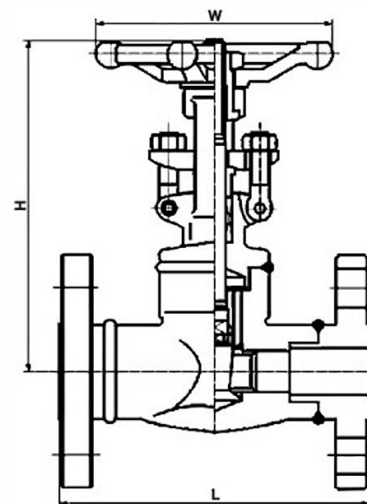
说明Note: CLASS≤600, 一般法兰密封形式为“RF”, 如果是其它形式要注明; 美标“RJ”的结构长度比“RF”的结构长度长“X”。
Sealing type usually is Raised Face when pressure is not exceed class 600LB. Pis mark your requirements if the type is different, Face to face dimension of "RJ" in API standard is "X" longer than the one of "RF".

PN1.6~10.0MPa
法兰闸阀/Flange Gate Valve

CL150~800 PN1.6~14.0MPa
承插焊(内螺纹)截止阀/S.W(NPT) Globe Valve



Z41H-16C-DN20



HZ41Y-100-DN25

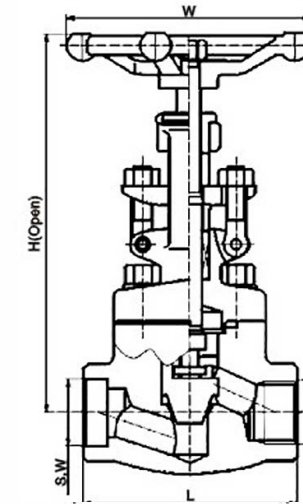
特征和应用规范/Features and applications

- ◎ 结构: B.B或W.B; OS & Y
- ◎ 垫片: 不锈钢+柔性石墨
- ◎ 法兰连接
- ◎ 可更换阀座
- ◎ 设计和制造: GB/T12224; JB/T7746
- ◎ 法兰尺寸: JB/T82.1 ~ 82.4; JB/T 79
- ◎ 结构长度: JB/T 97
- ◎ 检验和试验: API 598; JB/T 9092
- ◎ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- ◎ Construction: B.B & W.B; OS & Y
- ◎ Gasket: Stainless steel + graphite
- ◎ Flange
- ◎ Replaceable hard-faced seats
- ◎ Design & manufacture: GB/T12224; JB/T7746
- ◎ Flange dimension: JB/T82.1 ~ 82.4; JB/T 79
- ◎ Face to face: JB/T 97
- ◎ Inspect and test: API 598; JB/T 9092
- ◎ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

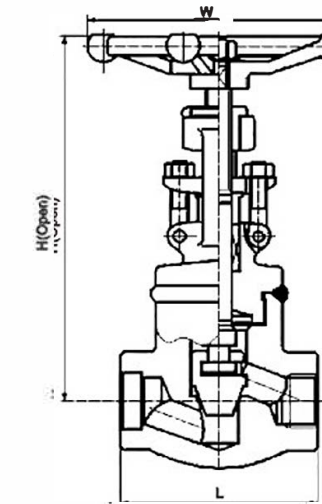
尺寸/Dimensions

公称直径 Nominal diameter		mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d		mm	10	13	18	23	28	36
L	1.6	mm	170	190	210	230	250	250
	2.5	mm						
	4.0	mm						
	6.4	mm						
	10.0	mm						
H(开 Open)		mm	130	150	160	160	200	250
W		mm	166	169	193	230	246	283
W		mm	100	100	120	160	160	180

说明Note: PN4.0一般为凹面, 其它要求要说明。Flange Sealing Type Usually is female when normal pressure is 4.0Mpa, Please mark your special requirements if you want other.



J11H-800LB-1/2*



HJ11Y-600LB-1*

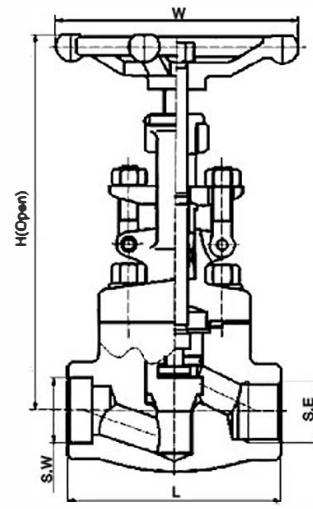
特征和应用规范/Features and applications

- ◎ 全径或缩径
- ◎ 结构: B.B或W.B; OS & Y
- ◎ 垫片: 不锈钢+柔性石墨
- ◎ 承插焊或螺纹连接
- ◎ 整体阀座
- ◎ 设计和制造: API 602 & ANSI B16.34
- ◎ 承插焊尺寸: ANSI B16.11; JB/T 1751
- ◎ 螺纹端尺寸: ANSI B1.20.1(NPT); GB/T 7306(Rc)
- ◎ 检验和试验: API 598
- ◎ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- ◎ Reduced or full port
- ◎ Construction: B.B & W.B; OS & Y
- ◎ Gasket: Stainless steel+graphite
- ◎ Socket welding & threaded ends
- ◎ Integral seat
- ◎ Design & manufacture: API 602 & ANSI B16.34
- ◎ Socket welding dimension: ANSI B16.11; JB/T 1751
- ◎ Screw end dimension: ANSI B1.20.1(NPT); GB/T 7306(Rc)
- ◎ Inspect and test: API 598
- ◎ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

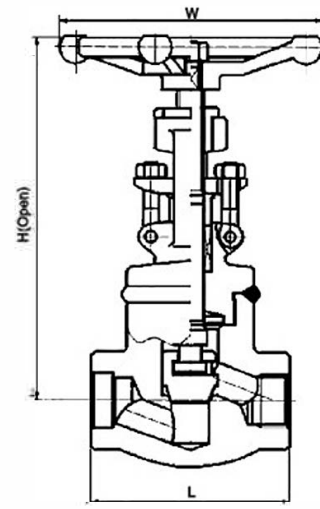
尺寸/Dimensions

公称直径 Nominal diameter		mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d	缩径 Reduced port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)
	全径 Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)
d		mm	6	8	10	13	18	23	28	33
L		mm	79	79	79	92	111	120	152	172
H(开 Open)		mm	166	166	166	175	206	228	262	300
W		mm	100	100	100	100	120	160	160	180
W		mm	100	100	100	100	120	160	160	240

CL900~1500 PN16.0~25.0MPa
承插焊(内螺纹)截止阀/S.W(NPT) Globe Valve



J11Y-900LB



HJ11Y-1500LB

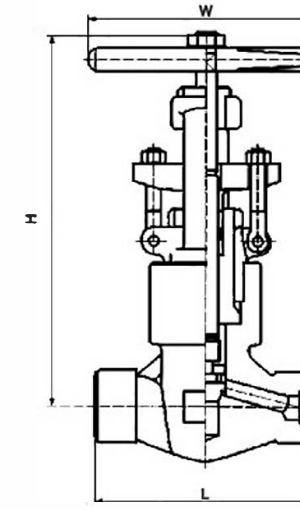
特征和应用规范/Features and applications

- ◎ 结构: B.B或W.B; OS & Y
- ◎ 垫片: 不锈钢+柔性石墨
- ◎ 承插焊; 螺纹连接
- ◎ 整体阀座
- ◎ 设计和制造: ANSI B16.34; API 602
- ◎ 承插焊端尺寸: ANSI B16.11; JB/T1751
- ◎ 螺纹端尺寸: ANSI B1.20.1(NPT)' GB/T7306(Rc)
- ◎ 检验和试验: API 598
- ◎ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等。
- ◎ Socket welding dimension: ANSI B16.11; JB/T1751
- ◎ Screw end dimension: ANSI B1.20.1(NPT)' GB/T7306(Rc)
- ◎ Inspect and test: API 598
- ◎ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

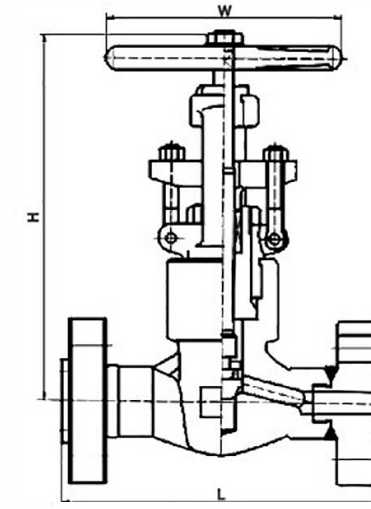
尺寸/Dimensions

公称直径 Nominal diameter	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d	mm	6	8	10	13	18	23	28	33
L	mm	79	79	92	111	120	152	172	220
H(开 Open)	mm	166	166	170	193	230	246	283	325
W	mm	100	100	100	120	160	160	180	200

CL 900~1500 PN16.0~25.0MPa
自密封截止阀/P.S Globe Valve



PJ61Y-1500LB



PJ41Y-900LB

特征和应用规范/Features and applications

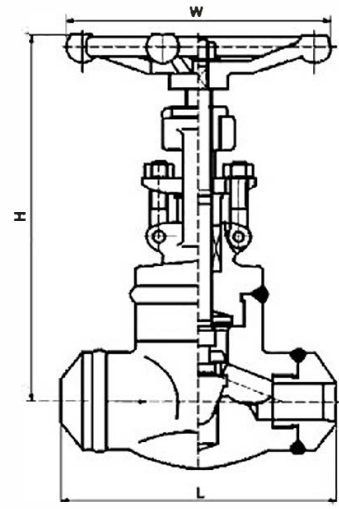
- ◎ 结构: P.S; OS & Y
- ◎ 承插焊; 内螺纹; 法兰连接
- ◎ 整体阀座
- ◎ 设计和制造: API 602; ANSI B16.34
GB/T12224; JB/T 7746
- ◎ 结构长度: ANSI B16.10; JB/T96
- ◎ 法兰端尺寸: ANSI B16.5; JB/T82.1-82.4
- ◎ 承插焊端尺寸: ANSI B16.11; JB/T 1751
- ◎ 螺纹端尺寸: ANSI B1.20.1(NPT) GB/T7306(Rc)
- ◎ 检验和试验: API 598
- ◎ 主体材质: A105、LF2、F5、F11、F22、F304、F316、F304L、F316L等
- ◎ Construction: P.S; OS & Y
- ◎ Socket welding: Female thread; Flange
- ◎ Integral seat
- ◎ Design & manufacture: API 602; ANSI B16.34
GB/T 12224; JB/T 7746
- ◎ Face to face: ANSI B16.10; JB/T96
- ◎ Flange dimension: ANSI B16.5; JB/T82.1-82.4
- ◎ Socket welding dimension: ANSI B16.11; JB/T1751
- ◎ Screw end dimension: ANSI B1.20.1(NPT) GB/T7306(Rc)
- ◎ Inspect and test: API 598.
- ◎ Body material: A105, LF2, F5, F11, F22, F304, F316, F304L, F316L

尺寸/Dimensions

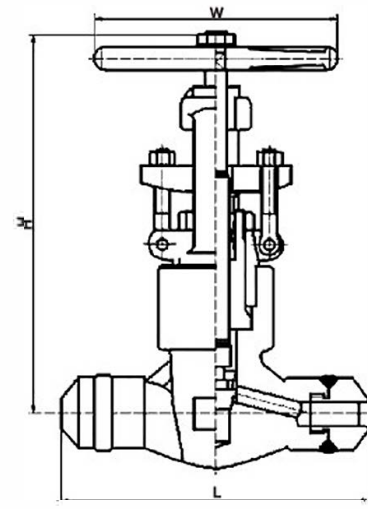
公称直径 Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
d	mm	11	13	18	23	28	33	
L	SW(NPT)	mm	140	140	140	178	178	228
	RTJ	mm	216	229	254	279	305	371.2
H(开 Open)	mm	321	207	240	258	290	337	
W	SW(NPT)	mm	120	120	160	160	180	200
	RTJ	mm	160	160	180	200	250	280

CL900~1500 PN16.0~25.0MPa
对焊截止阀/Butt Welding Globe Valve

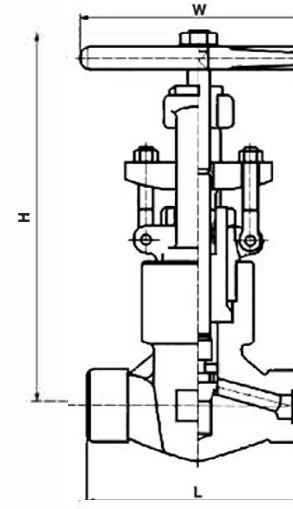
CL2500 PN42.0MPa
自密封截止阀/P.S Globe Valve



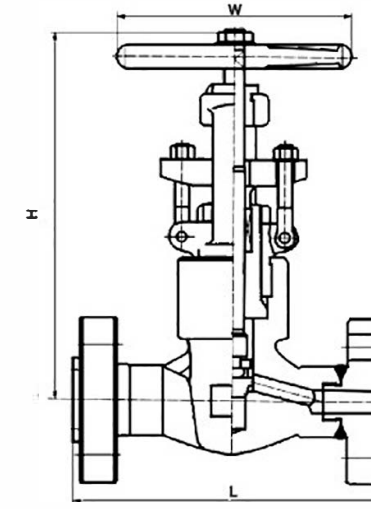
HJ51Y-900LB



PJ51Y-1500LB



PJ61Y-420-DN15



PJ41Y-2500LB-1"

特征和应用规范/Features and applications

- 结构: P.S或W.B; OS&Y
- 对焊连接
- 缩径
- 整体阀座
- 设计和制造: API 602 & ANSI B16.34
- 结构长度: ANSI B16.10
- 对焊端尺寸: ANSI B16.25
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- Construction: P.S & W.B; OS & Y
- Butt welding
- Reduced port
- Integral seat
- Design & manufacture: API 602 & ANSI B16.34
- Face to face: ANSI B16.10
- Welding end dimension: ANSI B16.25
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

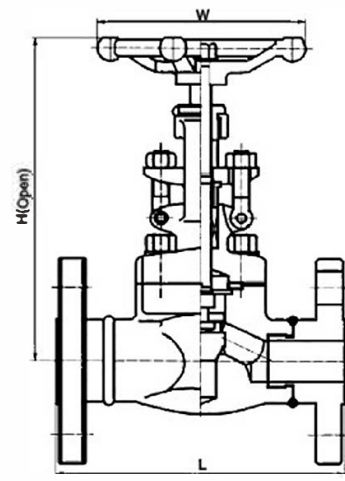
公称直径 Nominal diameter		mm(In)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d(R.P)		mm	11	13	18	23	28	33
L		mm	140	140	140	178	178	228
H(开 Open)	P.S	mm	318	318	318	398	408	524
	W.B	mm	207	240	258	290	337	354
W		mm	160	160	180	200	250	280

特征和应用规范/Features and applications

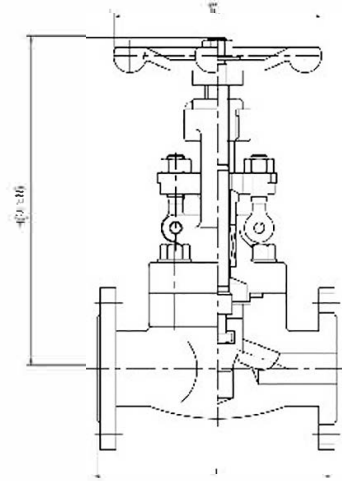
- 结构: P.S; OS & Y
- 垫片: 不锈钢+柔性石墨
- 整体阀座
- 设计和制造: ANSI B16.34
- 结构长度: ANSI B16.10; JB/T96
- 法兰端尺寸: ANSI B16.5
- 承插焊端尺寸: ANSI B16.11; JB/T1751
- 螺纹端尺寸: ANSI B1.20.1(NPT)
GB/T 7306(Rc)
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- Construction: P.S; OS & Y
- Gasket: Stainless steel+graphite
- Integral seat
- Design & manufacture: ANSI B16.34
- Face to face: ANSI B16.10; JB/T96
- Flange dimension: ANSI B16.5
- Socket welding dimension: ANSI B16.11; JB/T 1751
- Screw end dimension: ANSI B1.20.1(NPT); GB/T7306(Rc)
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter		mm(In)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d		mm	11	14	18	25	28	35
L	SW(NPT)	mm	186	186	186	178	228	279
	RTJ	mm	264	273	308	352.2	387.2	454.2
H(开 Open)		mm	333	333	333	410	420	524
W	SW(NPT)	mm	120	120	160	160	180	200
	RTJ	mm	160	160	180	200	250	280



J41H-150LB-1*



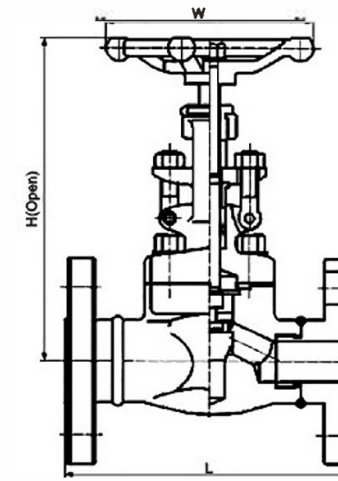
J41Y-300LB-3/4*

特征和应用规范/Features and applications

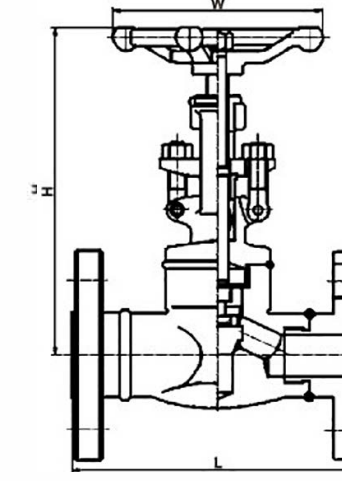
- ◎ 结构: B.B或W.B; OS & Y
- ◎ 垫片: 不锈钢+柔性石墨
- ◎ 法兰连接
- ◎ 整体阀座
- ◎ 设计和制造: API 602 & ANSI B16.34
- ◎ 法兰尺寸: ANSI B16.5
- ◎ 结构长度: ANSI B16.10
- ◎ 检验和试验: API 598
- ◎ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- ◎ Construction: B.B & W.B; OS & Y
- ◎ Gasket: Stainless steel+graphite
- ◎ Flange
- ◎ Integral seat
- ◎ Design & manufacture: API 602 & ANSI B16.34
- ◎ Flange dimension: ANSI B16.5
- ◎ Face to face: ANSI B16.10
- ◎ Inspect and test: API 598
- ◎ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter		mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d		mm	10	13	18	23	28	33
L	CL150	mm	108	117	127	140	165	203
	CL300	mm	152	178	203	216	229	267
	CL600	mm	165	190	216	229	241	292
H	CL150	mm	140	154	184	216	232	260
	CL300-600	mm	166	175	206	228	262	300
W		mm	100	100	120	160	160	180



J41H-16C-DN25



HJ41Y-25-DN20

特征和应用规范/Features and applications

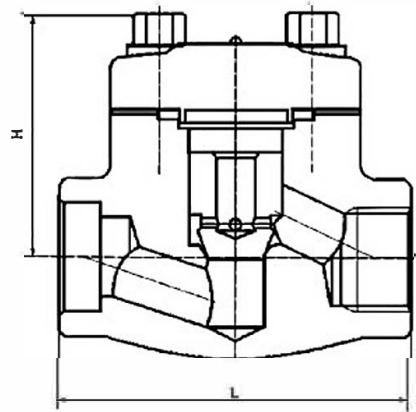
- ◎ 结构: B.B或W.B; OS & Y
- ◎ 垫片: 不锈钢+柔性石墨
- ◎ 法兰连接
- ◎ 整体阀座
- ◎ 设计和制造: GB/T12224; JB/T7746
- ◎ 法兰尺寸: JB/T82.1-82.4; JB/T 79
- ◎ 结构长度: JB/T96-95
- ◎ 检验和试验: API 598; JB/T 9092
- ◎ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- ◎ Construction: B.B & W.B; OS & Y
- ◎ Gasket: Stainless steel+graphite
- ◎ Flange
- ◎ Integral seat
- ◎ Design & manufacture: GB/T12224; JB/T7746
- ◎ Flange dimension: JB/T82.1-82.4; JB/T 79
- ◎ Face to face: JB/T96-95
- ◎ Inspect and test: API 598; JB/T 9092
- ◎ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

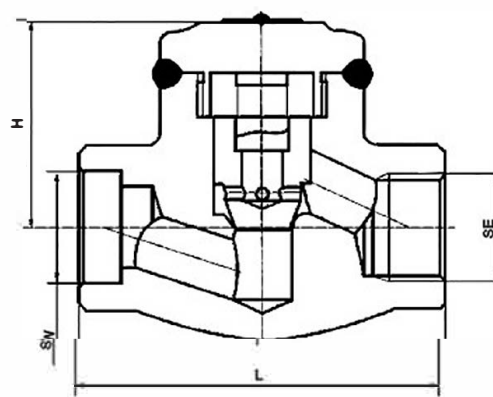
公称直径 Nominal diameter		mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d		mm	10	13	18	23	28	33
L	1.6, 2.5, 4.0	mm	130	150	160	190	200	230
	6.4, 10.0	mm	170	190	210	230	260	300
H		mm	190	195	230	245	262	300
W		mm	100	100	120	160	160	180

CL150~800 PN1.6~14.0MPa
承插焊(内螺纹)止回阀/S.W (NPT) Check Valve

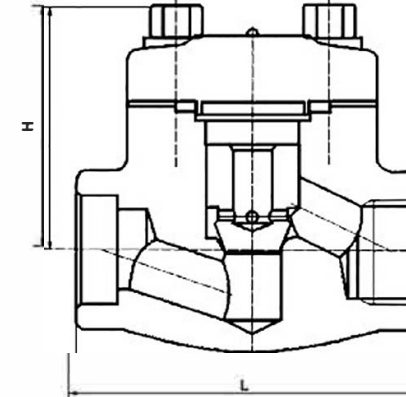
CL900~1500 PN16.0~25.0MPa
承插焊(内螺纹)止回阀/S.W (NPT) Check Valve



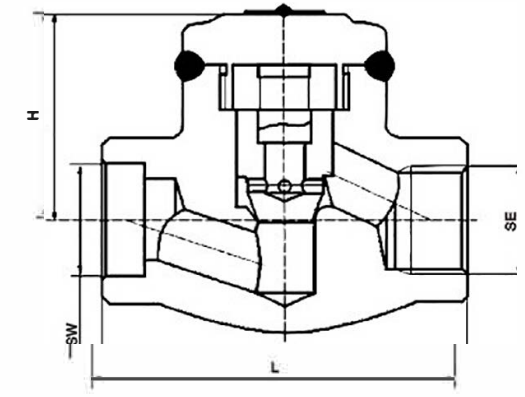
H11H-150LB-3/4"



HH11Y-16C-DN25



H11Y-1500LB-1"



HH61H-160-DN20

特征和应用规范/Features and applications

- 缩径或全径
- 结构: B.C或W.C; 升降式止回阀
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连
- 整体阀座
- 承插端尺寸: ANSI B16.11; JB/T1751
- 螺纹端: ANSI B1.20.1(NPT); GB/T 7306(Rc)
- 设计和制造: API 602; ANSI B16.34; API 600
GB/T12224; JB/T7746
- 检验和试验: API 598; JB/T9092
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Reduced or full port
- Construction: B.C or W.C; lift check valve
- Gasket: stainless steel+ graphite
- Socket welding & threaded ends
- Integral seat
- Socket welding dimension: ANSI B16.11; JB/T1751
- Screw end dimension: ANSI B1.20.1(NPT)
GB/T 7306(Rc)
- Design & manufacture: API 602; ANSI B16.34; API 600
GB/T12224; JB/T7746
- Inspect and test: API 598; JB/T9092
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

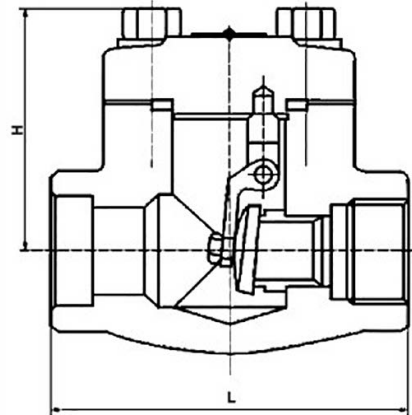
公称直径 Nominal diameter	缩径 Reduced port	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径 Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	
d	mm		6	8	10	13	18	23	28	33	42
L	mm		79	79	79	92	111	120	152	172	200
H	mm		62	62	62	63	78	82	102	120	147

特征和应用规范/Features and applications

- 结构: B.C或W.C; 升降式止回阀
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 整体阀座
- 承插端尺寸: ANSI B16.11; JB/T1751
- 螺纹尺寸: ANSI B1.20.1; GB/T7306
- 设计和制造: ANSI B16.34; API 602
GB/T12224; JB/T7746
- 检验和试验: API 598; JB/T 9092
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Construction: B.C or W.C; lift check valve
- Gasket: Stainless steel+ graphite
- Socket welding & threaded ends
- Integral seat
- Socket welding dimension: ANSI B16.11; JB/T1751
- Screw end dimension: ANSI B1.20.1; GB/T7306
- Design & manufacture: ANSI B16.34; API 602
GB/T12224; JB/T7746
- Inspect and test: API 598; JB/T 9092
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d	mm	10	13	18	23	28	33
L	mm	92	111	120	152	172	200
H	mm	63	98	104	120	140	158



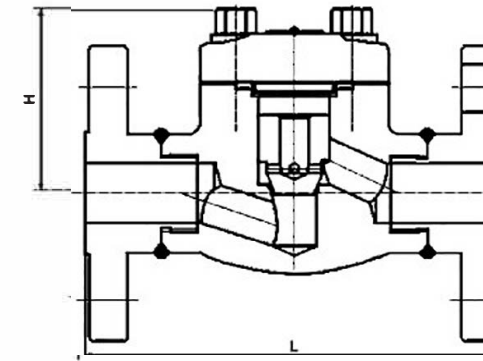
H64H-800LB-1*

特征和应用规范/Features and applications

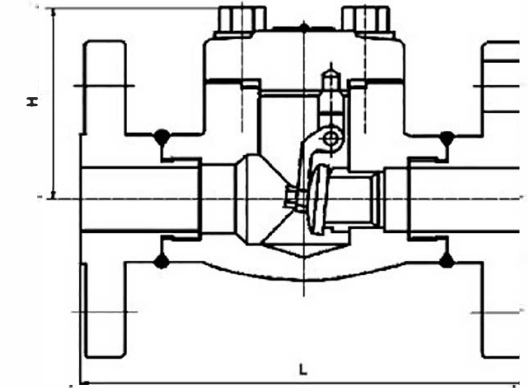
- 缩径或全径
- 结构: B.C旋启止回阀
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 可更换阀座
- 承插焊尺寸: ANSI B16.11; JB/T1751
- 螺纹尺寸: ANSI B1.20.1; GB/T7306
- 设计和制造: API 602; ANSI B16.34
GB/T12224; JB/T7746
- 检验和试验: API 598; JB/T9092
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Screw end dimension: ANSI B1.20.1; GB/T7306
- Design & manufacture: API 602; ANSI B16.34
GB/T12224; JB/T7746
- Inspect and test: API 598; JB/T9092
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L
- Reduced or full port
- Construction: B.C Swing check valve
- Gasket: stainless steel + graphite
- Socket welding & threaded ends
- Replaceable hard-faced seats
- Socket welding dimension: ANSI B16.11; JB/T1751

尺寸/Dimensions

公称直径 Nominal diameter	缩径 Reduced	mm(In)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径 Full port		10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d	mm		10	13	18	23	28	36	42
L	mm		79	92	111	120	120	140	170
H	mm		62	63	78	82	1102	120	140



H41Y-300LB-3/4*



H44H-150LB-1*

特征和应用规范/Features and applications

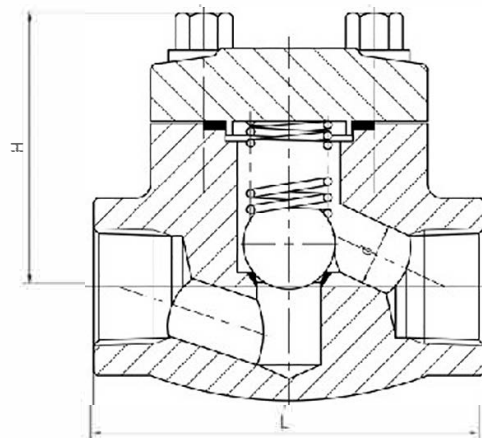
- 缩径或全径
- 结构: B.C升降式或旋启式止回阀
- 垫片: 不锈钢+柔性石墨
- 设计和制造: API 602; ANSI B16.34;
- 法兰端尺寸: ANSI B16.5
- 结构长度: ANSI B16.10
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- Reduced or full port
- Construction: B.C lift check valve & swing check valve
- Gasket: Stainless steel+graphite
- Design & manufacture: API 602; ANSI B16.34;
- Flange dimension: ANSI B16.5
- Face to face: ANSI B16.10
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter	mm(In)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
		L	CL150(L.S)	mm	108	117	127	140
L	CL300(L)	mm	152	178	203	216	229	267
	CL300(S)	mm	152	178	216	229	241	267
	CL600(L.S)	mm	165	190	216	229	241	292
H	mm	62	63	78	82	102	120	

CL150~800 PN1.6~14.0MPa

承插焊(内螺纹)球形止回阀/S.W (NPT) Ball Check Valve



H11H-800LB-DN15-DN65

特征和应用规范/Features and applications

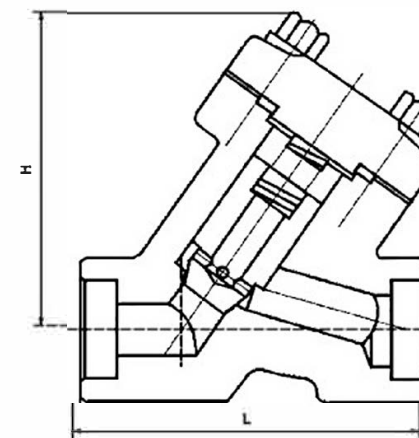
- 缩径或全径
- 结构: B.C或W.C; 升降式止回阀
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连
- 整体阀座
- 承插端尺寸: ANSI B16.11; JB/T1751
- 螺纹端: ANSI B1.20.1(NPT); GB/T 7306(Rc)
- 设计和制造: API 602; ANSI B16.34; API 600 GB/T12224; JB/T7746
- 检验和试验: API 598; JB/T9092
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Screw end dimension: ANSI B1.20.1(NPT) GB/T 7306(Rc)
- Design & manufacture: API 602; ANSI B16.34; API 600 GB/T12224; JB/T7746
- Inspect and test: API 598; JB/T9092
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

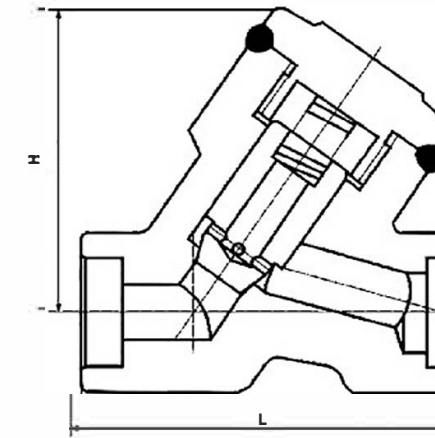
公称直径 Nominal diameter	缩径 Reduced port	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径 Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	
d	mm		6	8	10	13	18	23	28	33	42
L	mm		79	79	79	92	111	120	152	172	200
H	mm		62	62	62	63	78	82	102	120	147

CL900~1500 PN16.0~25.0MPa

承插焊(内螺纹)Y型止回阀/S.W (NPT) Y Type Check Valve



H65H-800LB-1*



HH65Y-250-DN20

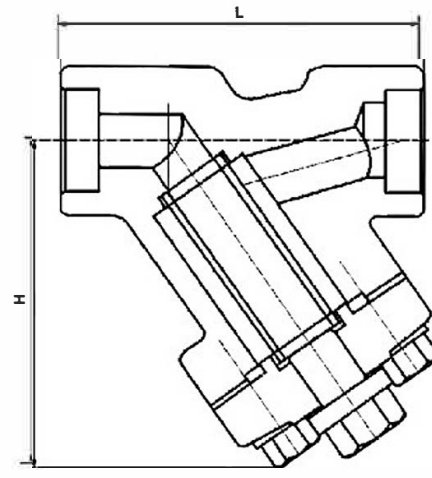
特征和应用规范/Features and applications

- 缩径或全径
- 结构: B.C或W.C; 带弹簧活塞升降Y型
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 整体阀座
- 承插端尺寸: ANSI B16.11; JB/T1751
- 螺纹尺寸: ANSI B1.20.1(NPT); GB/T7306
- 设计和制造: API 602; ANSI B16.34; GB/T12224; JB/T 7746
- 检验和试验: API 598; JB/T 9092
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- Screw end dimension: ANSI B1.20.1(NPT); GB/T7306
- Design & manufacture: API 602; ANSI B16.34; GB/T12224; JB/T7746
- Inspect and test: API 598; JB/T 9092
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L等
- Reduced or full port
- Construction: B.C & W.C; Y type lift check valve with spring & Piston
- Gasket: Stainless steel + graphite
- Socket welding & threaded ends
- Integral seat
- Socket welding dimension: ANSI B16.11; JB/T1751

尺寸/Dimensions

公称直径 Nominal diameter	mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
		L	CL800	mm	98	98	98	120	140
	CL1500	mm	120	120	120	140	140	170	220
H	CL800	mm	84	84	84	102	114	115	145
	CL1500	mm	90	90	101	125	132	143	203

CL150~800 PN1.6~14.0MPa
承插焊(内螺纹)Y型过滤器/S.W (NPT) Y - Strainer



G65-800LB

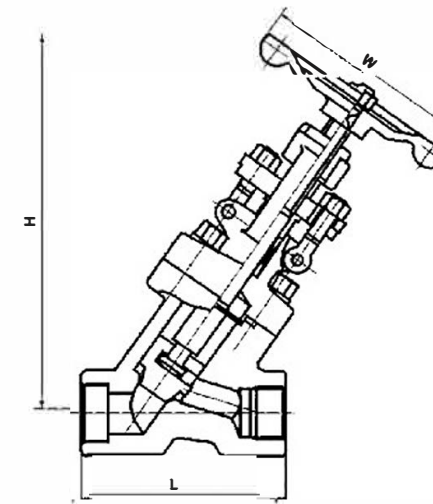
特征和应用规范/Features and applications

- ◎ 结构: B.C;Y型
- ◎ 垫片: 不锈钢+柔性石墨
- ◎ 丝堵垫: 铜片
- ◎ 承插焊或螺纹连接
- ◎ 承插焊尺寸: ANSI B16.11; JB/T1751
- ◎ 螺纹尺寸: ANSI B1.20.1; GB/T 7306 (Rc)
- ◎ 设计和制造: API 602; ANSI B16.34
- ◎ 检验和试验: API 598
- ◎ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- ◎ Construction: B.C;Y Type
- ◎ Gasket: Stainless steel+graphite
- ◎ Screw Gasket: Copper Sheet
- ◎ Socket welding & threaded ends
- ◎ Socket welding dimension: ANSI B16.11; JB/T1751
- ◎ Screw end dimension: ANSI B1.20.1; GB/T7306 (Rc)
- ◎ Design & manufacture: API 602; ANSI B16.34
- ◎ Inspect and test: API 598
- ◎ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

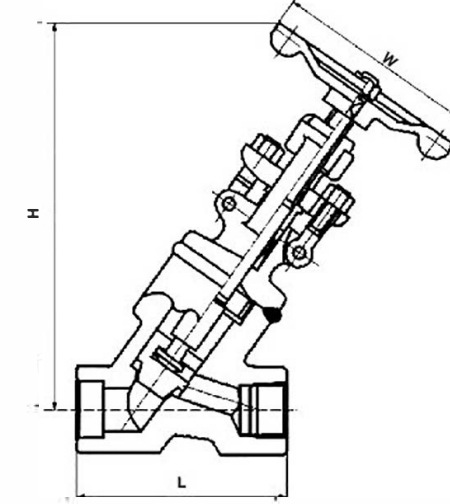
尺寸/Dimensions

公称直径 Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d	mm	11	13	18	23	28	33
L	mm	98	98	120	140	140	170
H	mm	86	86	105	118	120	145

CL800~1500 PN14.0~25.0MPa
承插焊(内螺纹)Y型截止阀/S.W (NPT) Y Type Globe Valve



J65Y-1500LB-1*



HJ65H-140-DN20

特征和应用规范/Features and applications

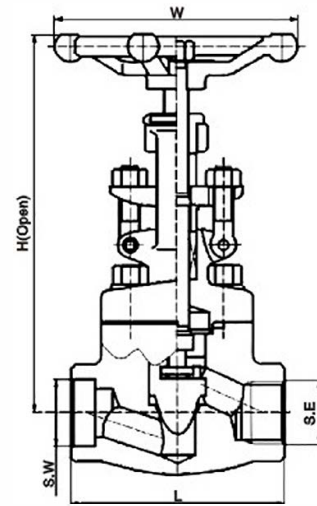
- ◎ 结构: B.B或W.B; OS & Y
- ◎ 垫片: 不锈钢+柔性石墨
- ◎ 承插焊或螺纹连接
- ◎ 整体阀座
- ◎ 承插焊尺寸: ANSI B16.11; JB/T1751
- ◎ 螺纹尺寸: ANSI B1.20.1; GB/T7306 (Rc)
- ◎ 设计和制造: API 602; ANSI B16.34
GB/T 12224; JB/T 7746
- ◎ 检验和试验: API 598; JB/T 9092
- ◎ 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- ◎ Construction: B.B & W.B; OS & Y
- ◎ Gasket: Stainless steel + graphite
- ◎ Socket welding & threaded ends
- ◎ Integral seat
- ◎ Socket welding dimension: ANSI B16.11; JB/T1751
- ◎ Screw end dimension: ANSI B1.20.1; GB/T7306 (Rc)
- ◎ Design & manufacture: API 602; ANSI B16.34
GB/T12224; JB/T 7746
- ◎ Inspect and test: API 598; JB/T 9092
- ◎ Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

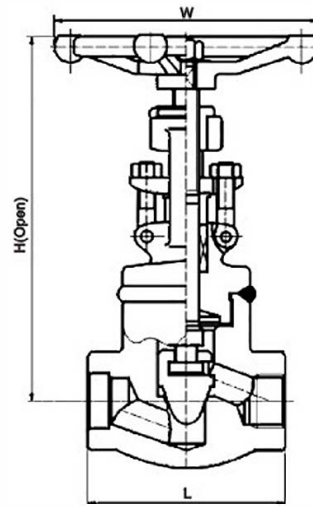
公称直径 Nominal diameter		mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d		mm	7	11	13	18	23	28	33
L	CL800	mm	98	98	98	120	140	140	170
	CL1500	mm	98	98	120	140	140	170	220
H	CL800	mm	240	240	240	290	302	368	370
	CL1500	mm	170	170	195	235	278	278	310
W	CL800	mm	100	100	100	120	160	160	180
	CL1500	mm	125	125	125	160	160	180	200

CL150~800 PN1.6~14.0MPa
承插焊(内螺纹)节流阀/S.W (NPT) Throttle Valve

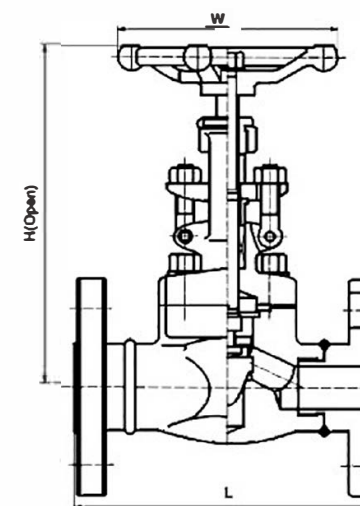
CL150~600
法兰节流阀/Flange Throttle Valve



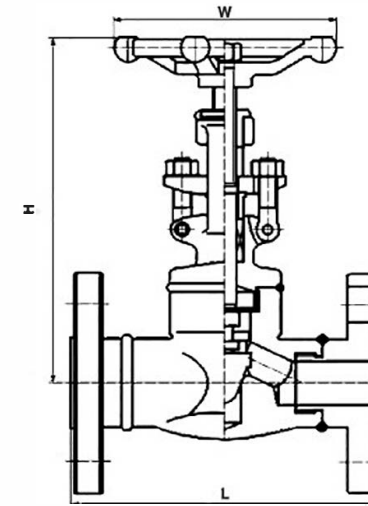
L61H-800LB-1/2"



HL11W-40P-DN20



L41H-150LB-1/2"



HL41Y-600LB-1"

特征和应用规范/Features and applications

- 缩径或全径
- B.B或W.B;OS & Y
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 整体阀座; 节流阀瓣
- 承插焊尺寸: ANSI B16.11; JB/T1751
- 螺纹尺寸: ANSI B1.20.1; GB/T7306-(Rc)
- 设计和制造: API 602; ANSI B16.34
GB/T12224; GB/T12228; GB/T12235
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Reduced or full port
- B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Socket welding & threaded ends
- Integral seat; throttle disc
- Socket welding dimension: ANSI B16.11; JB/T1751
- Screw end dimension: ANSI B1.20.1; GB/T7306-(Rc)
- Design & manufacture: API 602; ANSI B16.34
GB/T12224; GB/T12228; GB/T12235
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

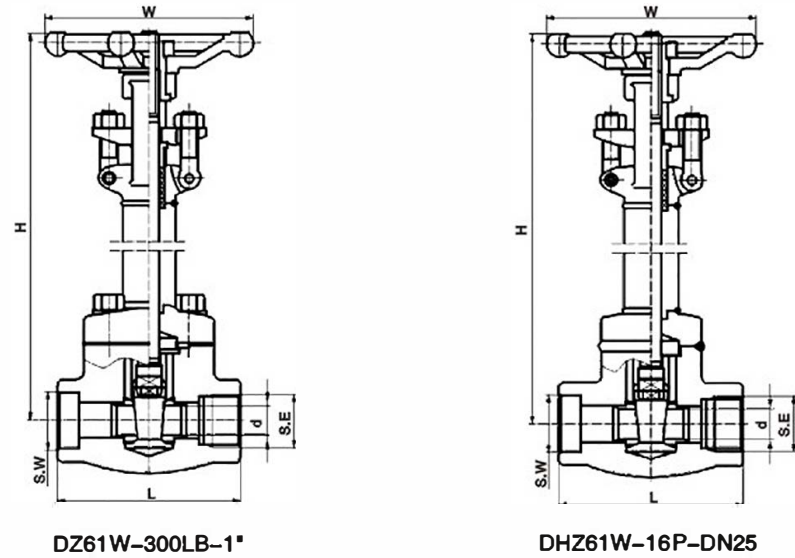
公称直径 Nominal diameter	缩径 Reduced port	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)	
	全径 Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	
d	mm	6	8	10	13	18	23	28	33	43	
L	mm	79	79	79	92	111	120	152	172	220	
H(开)	mm	166	166	166	175	208	228	262	300	340	
w	mm	100	100	100	100	120	160	160	180	240	

特征和应用规范/Features and applications

- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 法兰连接
- 整体阀座
- 节流阀瓣
- 设计和制造: API 602; ANSI B16.34
- 法兰尺寸: ANSI B16.5
- 结构长度: ANSI B16.10
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Flange
- Integral seat
- Throttle disc
- Design & manufacture: API 602; ANSI B16.34
- Flange dimension: ANSI B16.5
- Face to face: ANSI B16.10
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter		mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
d	mm	10	13	18	23	28	33	
L	CL150	mm	108	117	127	140	165	203
	CL300	mm	152	178	203	216	229	267
	CL600	mm	165	190	216	229	241	292
H	CL150	mm	140	154	184	216	232	260
	CL300-600	mm	166	175	206	228	262	300
w	mm	100	100	120	160	160	180	



DZ61W-300LB-1*

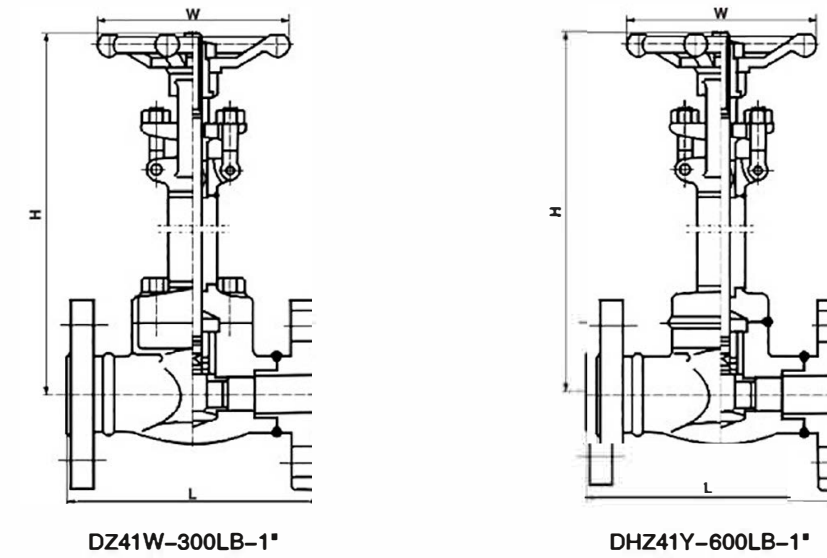
DHZ61W-16P-DN25

特征和应用规范/Features and applications

- 缩径或全径
- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 可更换阀座
- 设计和制造: API 602 & ANSI B16.34
- 承插焊端尺寸: ANSI B16.11
- 螺纹端尺寸: ANSI B1.20.1
- 检验和试验: API 598
- 主体材质: F304、F304L、F316、F316L等
- Reduced or full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Socket welding & threaded ends
- Replaceable hardfaced seats
- Design & manufacture: API 602 & ANSI B16.34
- Socket welding dimension: ANSI B16.11
- Screw end dimension: ANSI B1.20.1
- Inspect and test: API 598
- Body material: F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	40(1 1/2)	50(2)	
d	mm	10	13	18	28	36	
L	mm	79	92	111	120	140	
H(开 Open)	≥-60℃	mm	265	269	293	356	393
	≥-100℃	mm	276	279	313	376	413
	<-100℃	mm	296	309	343	406	453
W	mm	100	100	120	160	180	



DZ41W-300LB-1*

DHZ41Y-600LB-1*

特征和应用规范/Features and applications

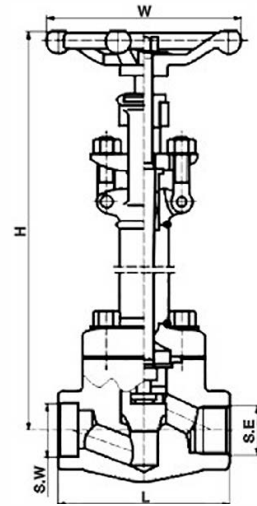
- 缩径或全径
- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 法兰连接
- 可更换阀座
- 设计和制造: API 602 & ANSI B16.34
- 结构长度: ANSI B16.10
- 法兰尺寸: ANSI B16.5
- 检验和试验: API 598
- 主体材质: F304、F304L、F316、F316L等
- Reduced or full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Flange
- Replaceable hardfaced seats
- Design & manufacture: API 602 & ANSI B16.34
- Face to face: ANSI B16.10
- Flange dimension: ANSI B16.5
- Inspect and test: API 598
- Body material: F304, F304L, F316, F316L

尺寸/Dimensions

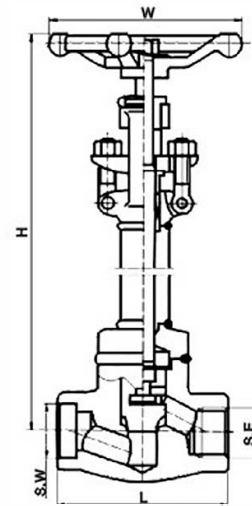
公称直径 Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	40(1 1/2)	50(2)	
d	mm	10	13	18	28	36	
L	CL150	mm	108	117	127	165	178
	CL300	mm	140	152	165	190	216
	CL600	mm	165	190	216	241	292
H(开 Open)	≥-60℃	mm	265	269	293	356	393
	≥-100℃	mm	276	279	313	376	413
	<-100℃	mm	296	309	343	406	453
W	mm	100	100	120	160	180	

CL150~800 PN1.6~14.0MPa

承插焊(内螺纹)低温截止阀/S.W (NPT) Cryogenic Globe Valve



DJ11H-800LB-1*



DHJ61Y-140-DN25

特征和应用规范/Features and applications

- 缩径或全径
- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 整体阀座

- Reduced or full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Socket welding & threaded ends
- Integral seat

- 设计和制造: API 602 & ANSI B16.34
- 承插焊端尺寸: ANSI B16.11
- 螺纹端尺寸: ANSI B1.20.1
- 检验和试验: API 598
- 主体材质: F304、F304L、F316、F316L等

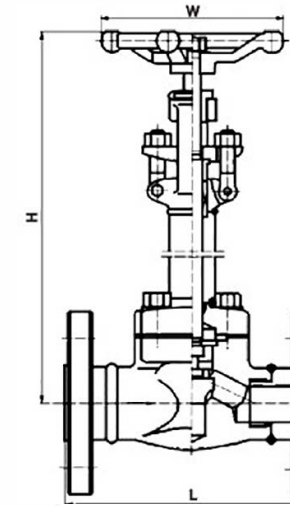
- Design & manufacture: API 602 & ANSI B16.34
- Socket welding dimension: ANSI B16.11
- Screw end dimension: ANSI B1.20.1
- Inspect and test: API 598
- Body material: F304, F304L, F316, F316L

尺寸/Dimensions

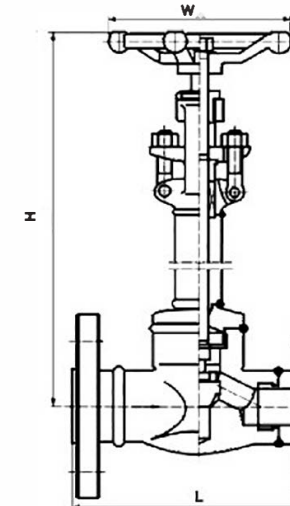
公称直径 Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	40(1 1/2)	50(2)	
d	mm	10	13	18	28	33	
L	mm	79	92	111	152	172	
H(开 Open)	≥-60℃	mm	265	275	306	372	410
	≥-100℃	mm	276	285	326	392	430
	<-100℃	mm	296	315	356	422	470
W	mm	100	100	120	160	180	

CL150~600

法兰低温截止阀/Flange Cryogenic Globe Valve



DJ41W-150LB-11/2*



DHJ41W-300LB-1*

特征和应用规范/Features and applications

- 缩径或全径
- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 法兰连接
- 整体阀座

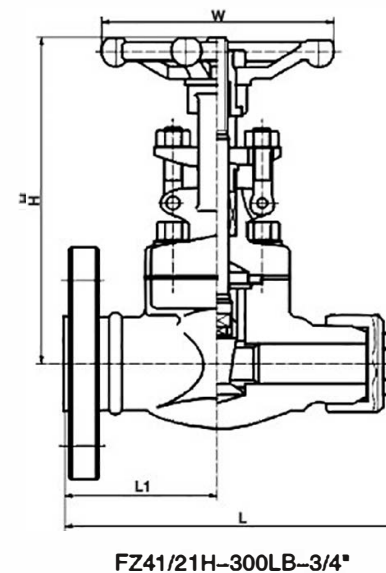
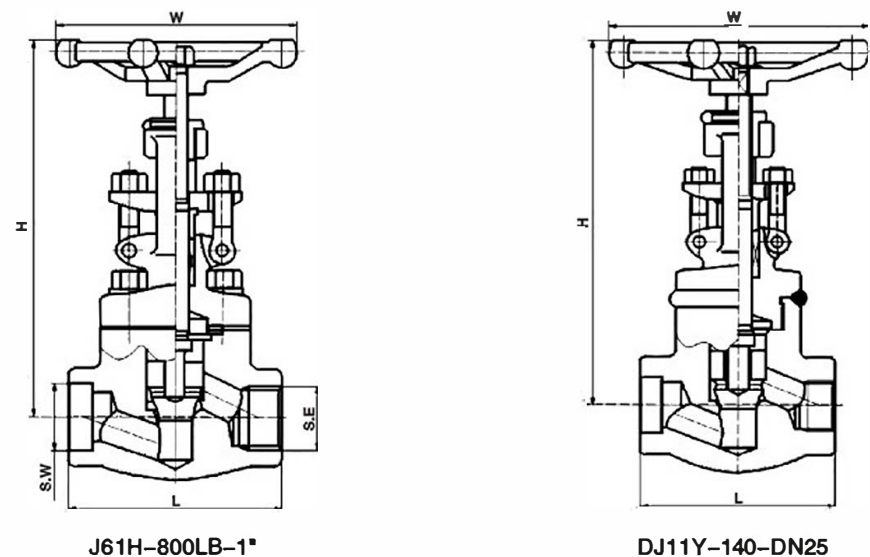
- Reduced or full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Flange
- Integral seat

- 设计和制造: API 602 & ANSI B16.34
- 结构长度: ANSI B16.10
- 法兰尺寸: ANSI B16.5
- 检验和试验: API 598
- 主体材质: F304、F304L、F316、F316L等

- Design & manufacture: API 602 & ANSI B16.34
- Face to face: ANSI B16.10
- Flange dimension: ANSI B16.5
- Inspect and test: API 598
- Body material: F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter	mm(in)	15(1/2)	20(3/4)	25(1)	40(1 1/2)	50(2)	
d	mm	10	13	18	28	33	
L	CL150	mm	108	117	127	165	203
	CL300	mm	152	178	203	229	267
	CL600	mm	165	190	216	241	292
H(开 Open)	≥-60℃	mm	265	275	306	372	410
	≥-100℃	mm	276	285	326	392	430
	<-100℃	mm	296	315	356	422	470
W	mm	100	100	120	160	180	



特征和应用规范/Features and applications

- 缩径或全径
- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 整体阀座
- 设计和制造: API 602 & ANSI B16.34
- 承插焊端尺寸: ANSI B16.11
- 螺纹端尺寸: ANSI B1.20.1
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L等
- Reduced or full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Socket welding & threaded ends
- Integral seat
- Design & manufacture: API 602 & ANSI B16.34
- Socket welding dimension: ANSI B16.11
- Screw end dimension: ANSI B1.20.1
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

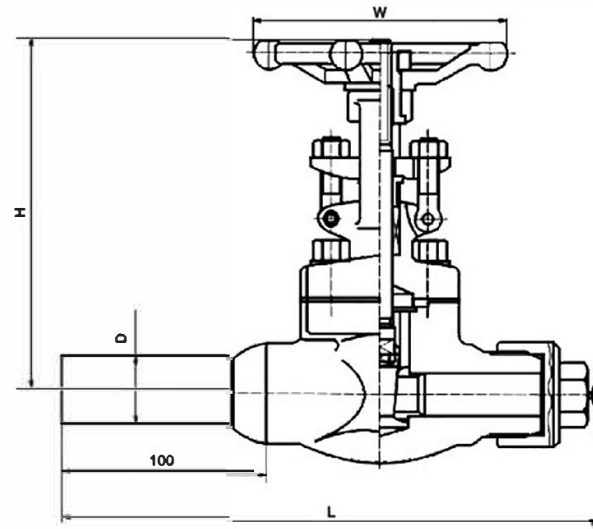
公称直径 Nominal diameter	缩径 Reduced port	mm(in)	8(1/4)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	50(2)
	全径 Full port	mm(in)	-	-	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)
d	mm	6	8	10	13	18	23	28	33	43
L	mm	79	79	79	92	111	120	152	172	220
H(开 Open)	mm	166	166	166	175	206	228	262	300	340
W	mm	100	100	100	100	120	160	160	180	240

特征和应用规范/Features and applications

- 缩径或全径
- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 一端法兰另一端管帽
- 可更换阀座
- 设计和制造: API 602 & ANSI B16.34
- 法兰端尺寸: ANSI B16.5
- 外螺纹端尺寸: GB/T 7307
- 检验和试验: API 598
- 主体材质: A105、LF2、F5、F11、F22、F304、F304L、F316、F316L
- Reduced or full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- One end flange, the other end pipe cap
- Replaceable hardfaced seats
- Design & manufacture: API 602 & ANSI B16.34
- Flange dimension: ANSI B16.5
- Male thread end dimension: GB/T 7307
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter	缩径 Reduced port	mm(in)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)
	全径 Full port	mm(in)	10(3/8)	15(1/2)	20(3/4)	25(1)	32(1 1/4)
d	mm	10	13	18	23	28	
L1	CL150	mm	60	65	70	75	85
	CL300	mm	70	76	82.5	89	95
	CL600	mm	82.5	95	108	114.5	120.5
L	CL150	mm	150	157	179	200	213
	CL300	mm	159	170	193	216	224
	CL600	mm	172	190	220	240	250
H(开 Open)	mm	166	169	193	230	246	
W	mm	100	100	120	160	160	



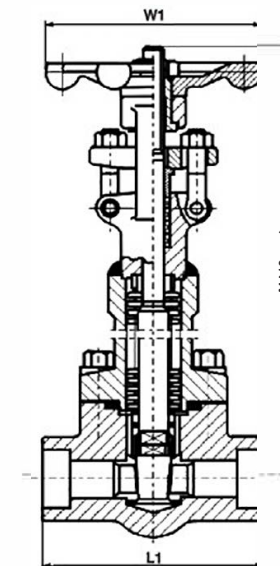
FZ接管/管帽H-800LB-1*

特征和应用规范/Features and applications

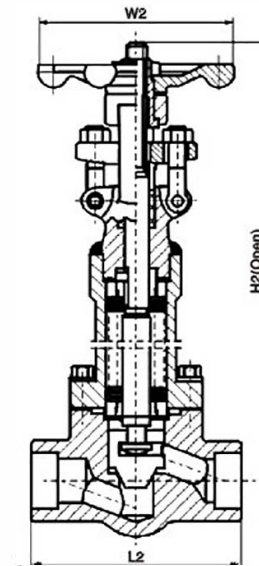
- 缩径或全径
- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 一端接管另一端管帽
- 可更换阀座
- 设计和制造: API 602 & ANSI B16.34
- 承插焊端尺寸: GB/T 7307
- 检验和试验: API 598
- 主体材质: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L
- Reduced or full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- One end jointing pipe, the other end pipe cap
- Replaceable hardfaced seats
- Design & manufacture: API 602 & ANSI B16.34
- Socketwelding dimension: GB/T7307
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

尺寸/Dimensions

公称直径 Nominal diameter	mm(In)	15(1/2)	20(3/4)	25(1)	32(1 1/4)	40(1 1/2)	2
d	mm	10	13	18	23	28	36
D	mm	22	27	34	42	48	60
L	mm	229	238	264	275	278	308
H(开 Open)	mm	166	169	193	230	246	290
W	mm	100	100	120	160	160	180



波纹管闸阀 Bellows gate valve



波纹管截止阀 Bellows globe valve

特征和应用规范/Features and applications

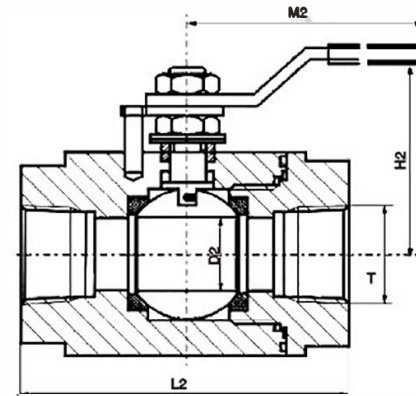
- 缩径或全径
- 结构: B.B或W.B; OS & Y
- 垫片: 不锈钢+柔性石墨
- 承插焊或螺纹连接
- 密封副材质: 按“客户须知”和使用环境而定
- 设计和制造: API 602 & ANSI B16.34
- 承插焊端: ANSI B16.11或JB/T 175-95
- 螺纹端: ANSI B 1.20.1或GB7306-87
- 阀门试验和检验: API 598
- 主体材料: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L
- Reduced or full port
- Construction: B.B & W.B; OS & Y
- Gasket: Stainless steel+graphite
- Socket welding & threaded ends
- Material for hard trim is depend on client notice & operating condition
- Design & manufacture: API 602 & ANSI B16.34
- Socket welding dimension: ANSI B16.11 & JB/T 175-95
- Screw end dimension: ANSI B 1.20.1 & GB 7306-87
- Inspect and test: API 598
- Body material: A105, LF2, F5, F11, F22, F304, F304L, F316, F316L

缩径波纹管闸阀尺寸
Reduced bellows gate valve dimensions

NPS	1/2	3/4	1	1 1/2	2
L1	79	92	111	120	140
H1	237	250	312	400	438
W1	100	100	120	160	180

缩径波纹管截止阀尺寸
Reduced bellows globe valve dimensions

NPS	1/2	3/4	1	1 1/2	2
L2	79	92	111	152	172
H2	235	236	285	320	400
W2	100	100	120	160	160



球阀 (2PIECE BALL VALVE)

特征和应用规范/Features and applications

- 缩径或全径
- 结构: 浮动球阀
- 垫片: PTFE
- 承插焊或螺纹连接
- 密封副材质: 按客户要求而定

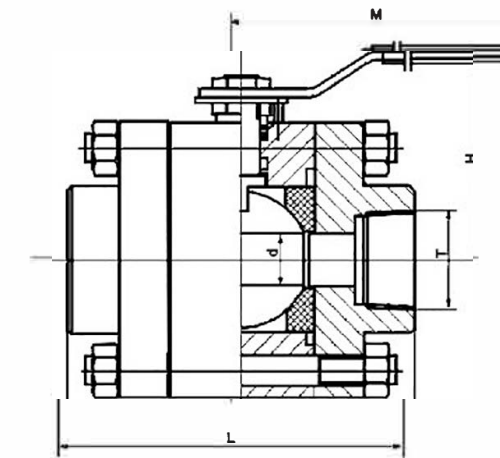
- 主体材质: A105、LF2、F304、F316、F304L、F316L
- 承插焊标准: ANSI B16.11或JB/T 175-95
- 螺纹标准: ANSI B1.20.1或GB7306-87
- 阀门检验和试验: API 598
- 设计制造: API 608、API 6D

- Reduced or full Port
- Construction: Floating ball
- Gasket: PTFE
- Socket welding & threaded ends
- Sealing material: Determined according to customer requirements

- Body material: A105, LF2, F304, F316, F304L, F316L
- Socket welding standards: ANSI B16.11 or JB/T 175-95
- Thread standard: ANSI B1.20.1 or GB7306-87
- Valve inspection and test: API 598
- Design & manufacture: API 608, API 6D

全径尺寸/Full port dimensions

NPS	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L1	70	70	76	85	106	113	128	140
T	1/4NPT	3/8NPT	1/2NPT	3/4NPT	1NPT	1 1/4NPT	1 1/2NPT	2NPT
d1	6	9	14	20	25	32	38	49
H1	74	74	83	90	95	105	110	120
M1	140	140	140	170	170	245	245	285



球阀 (3PIECE BALL VALVE)

特征和应用规范/Features and applications

- 缩径或全径
- 结构: 浮动球阀
- 垫片: PTFE
- 承插焊或螺纹管连接
- 密封副材质: 按客户要求而定

- 主体材质: A105、LF2、F304、F316、F304L、F316L
- 承插焊标准: ANSI B16.11或JB/T 175-95
- 螺纹标准: ANSI B1.20.1或GB7306-87
- 阀门检验和试验: API 598
- 设计制造: API 608、API 6D

- Reduced or full port
- Construction: Floating ball
- Gasket: PTFE
- Socket welding & threaded ends
- Sealing material: Determined according to Customer requirements

- Body material: A105, LF2, F304, F316, F304L, F316L
- Socket welding standards: ANSI B16.11 or JB/T 175-95
- Thread standard: ANSI B1.20.1 or GB7306-87
- Valve inspection and test: API 598
- Design & manufacture: API 608, API 6D

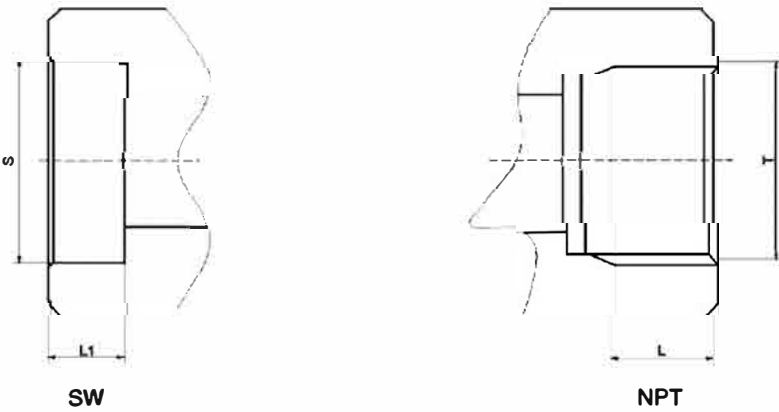
全径尺寸/Full port dimensions

NPS	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
L	92	92	92	112	127	140	152	178
T	1/4NPT	3/8NPT	1/2NPT	3/4NPT	1NPT	1 1/4NPT	1 1/2NPT	2NPT
d	8	10	14	20	23	32	35	50
H	65	65	65	73	90	92	98	110
M	123	123	123	160	160	195	195	250

**一、客户应根据样本所列的型号订货，特殊要求，在合同中加以说明。
Client should place order as per the items listed in the catalogue, it should be pointed Out if there are some special requirements.**

- 1、阀门压力等级：公制PN(MPa)，英美制CLASS(磅级)和日制(K级)。
 - 2、阀门规格：公制以DN(mm)表示；英美制以NPS(in)表示。
 - 3、连接形式：法兰连接、承插焊连接、螺纹连接、对焊连接和卡套连接等。
 - 4、法兰连接密封形式：突面法兰、凹凸面法兰、环密封法兰和槽槽法兰等。
 - 5、阀门结构长度执行标准：ANSI B16.10; GB/T1222189等。
 - 6、阀门的结构形式和特征。
 - 7、阀门主要零件的材质。
 - 8、密封副材质的匹配(闸板/密封圈；阀瓣/阀座)。
 - 9、驱动方式等。
- 1、Valve pressure rate: metric PN(MPa), Inch series Class(LB), Japanese(K)
 - 2、Specification: metric DN(mm); inch NPS(in)
 - 3、Connection type: flange, socket welding, thread, butt-welding and Socket connection etc.
 - 4、Flanged connection sealing type: FR, FM, RTJ, TG
 - 5、Face to face conform to ANSI B16.10 and GB/T 12221-89 etc.
 - 6、Valve structure and feature
 - 7、Main part material
 - 8、Match of hard trim material; wedge and seal ring, disc and seat
 - 9、Operation

**二、凡是对焊连接形式(BW)，必须在订货合同或技术协议中写明管子号或管子规格尺寸(包括管子外径和壁厚)。
Client should mark the SCH No. or pipe specifications (external diameter and thickness) in contract or technical agreement when you order B.W ends valves.**



三、各国承插孔尺寸和螺纹端尺寸/Socket welded and thread ends dimensions:

规格 Specification		承插孔尺寸 Socket welded end dimension						螺纹端尺寸(in) Screw end dimension (in)	
		中国 JB		美国 ANSI		日本 JIS		Rc, PT	NPT
DN	NPS(in)	S	L1	S	L1	S	L1	牙形角60° angle of thread 60°	牙形角60° angle of thread 60°
8	1/4	14.5	10	14.2	10	14.3	9.6		1/4
10	3/8	18.0	10	17.6	10	17.9	9.6		3/8
15	1/2	22.5	10	21.8	10	22.2	9.6		1/2
20	3/4	28.5	11	27.2	13	27.7	12.7		3/4
25	1	34.5	12	33.9	13	34.5	12.7		1
32	1 1/4	43.0	15	42.7	13	43.2	12.7		1 1/4
40	1 1/2	49.0	15	48.8	13	49.1	12.7		1 1/2
50	2	61.0	16	61.2	16	61.1	15.9		2

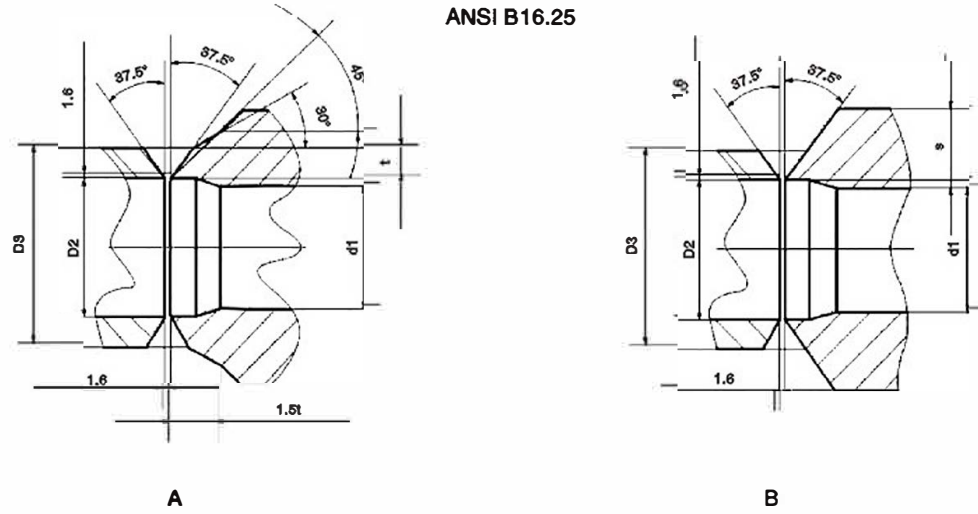
注：Rc中国密封内螺纹标准，PT日本密封内螺纹标准，NPT美国密封内螺纹标准。
Note: Rc is the china seal inside screw standard code. PT is Japanese seal inside screw standard code. NPT is American seal inside screw standard code.

四、阀门型号编制方法(磅级改变压力等级和规格代号) Code rules of valve: (according to class, pressure and specification etc)

1	2	3	4	5	6	7	8
特殊阀门代号 Special valve code	体盖连接形式 Bonnet Connection type	阀门类型代号 Valve type code	连接形式代号 Connection form codes	密封材料代号 Material surface codes	PN数值代号 PN codes	阀体材料代号 Body Material codes	
抗硫阀 Sulfur resist valve	中法兰螺栓 Flange bolt	闸阀 Gate valve	内螺纹 Female thread	13Cr/13Cr	1.6MPa	20Mn(A105)	C
放空阀 Discharge valve	体盖焊接 Bonnet weldin	截止阀 Globe valve	外螺纹 Male thread	13Cr/13Cr+STL	2.0MPa	1Cr5Mo(F5)	I
带弹簧止回阀 Spring check valve	自密封 seal forged steel	止回阀 Check valve	一瓣承插焊一端内螺纹 One end is socket welding and the other is inside thread	13Cr+STL/13Cr+STL	2.5MPa	15CrMo(F11)	II
低温阀 Cryogenic valve		节流阀 Throttle valve	法兰连接 Flange end	304+STL/304	4.0MPa	12Cr1MoV(F22)	V
		截止止回阀 Globe check	对焊 Butt welding end	304/304	5.0MPa	0Cr19Ni10(304)	P
		Y型过滤器 Y Type strainer	承插焊 Socket welding	316+STL/316	6.4MPa	00Cr17Ni12Mo2(F316)	R
		球阀 Ball valve	卡套式 Cutting ferrule type	316/316	10.0MPa	00Cr19Ni11(F304L)	PL
				304L/304L	14.0MPa	00Cr17Ni14Mo2(F316L)	RL
				316L/316L	16.0MPa	1Cr18Ni9Ti(321)	PH
				316+STL/316+STL	25.0MPa	1Cr18Ni11Nb(347)	RH
				H.CH.C	32.0MPa	LF2	F
				M/J.M.	42.0MPa		
				304或316/PTFEE			

说明Note:
 1. PN≥2.5MPa, 碳钢阀体材料代号“C”省略。
 2. 凡是全密封在规格数值后加“F”，例如：Z61H800LBF1/2和Z51Y160F25，其中F1/2和“F25”表示全密封，省略代号。
 3. 凡是抗硫阀其内件均为316，密封面为双相STL。
 4. 中法兰螺栓B.6结构，其密封面为不锈耐腐蚀性石墨密封。
 5. 小口径球阀一般为手轮驱动，其它形式要说明。
 1. when PN≥2.5Mpa, material code C of carbon steel body can be omit
 2. Every full port valve should add F to type code, for example, Z61H800LBF1/2 and Z51Y160F25, the symbol F1/2 and F25 is show full port, reduced port needn't code.
 3. The trim of every resist sulfur valve are 316 stainless steel and sealing face is STL
 4. Bolted Bonnet, sealing gasket is stainless steel with flexible graphite spiral wound gasket
 5. Small valve usually adopt hand wheel, if you need other, please tell us

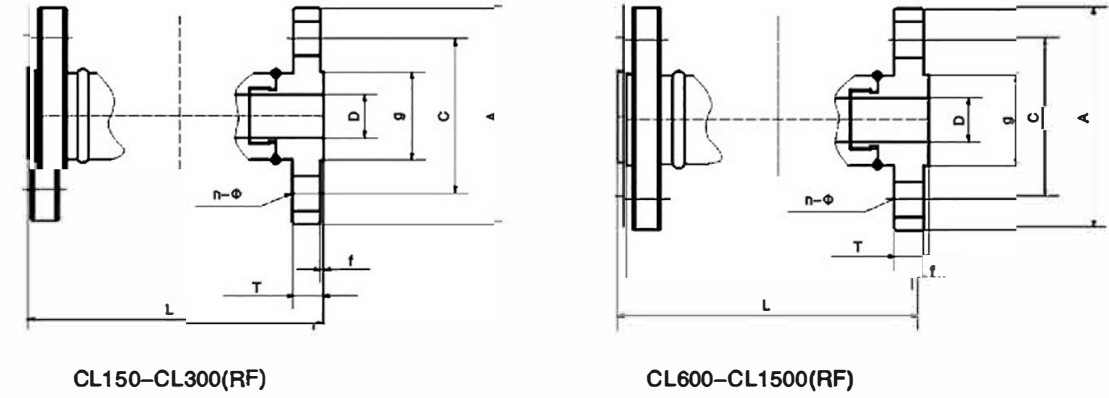
五、对焊标准/Butt welding parameter



PIPE	SIZE	ANSI B16.25							
		1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2
STD	D _s	13.7	17.1	21.3	26.7	33.4	42.2	48.3	60.3
	D ₂	9.2	12.5	15.8	20.9	26.6	35.1	40.9	52.5
	t	2.2	2.3	2.8	2.9	3.4	3.6	3.7	3.9
XS	D ₂	7.7	10.7	13.9	18.9	24.3	32.5	38.1	49.3
	t	3.0	3.2	3.7	3.9	4.5	4.9	5.1	5.5
XXS	D ₂			6.4	11.0	15.2	22.8	27.9	38.2
	t			7.5	7.8	9.1	9.7	10.2	11.1
Sch40	D ₂	9.2	12.5	15.8	20.9	26.6	35.1	40.9	52.5
	t	2.2	2.3	2.8	2.9	3.4	3.6	3.7	3.9
Sch80	D ₂	7.7	10.7	13.9	18.9	24.3	32.5	38.1	49.3
	t	3.0	3.2	3.7	3.9	4.5	4.9	5.1	5.5
Sch160	D ₂			11.8	15.6	20.7	29.5	34.0	42.9
	t			4.8	5.6	6.4	6.4	7.1	8.7

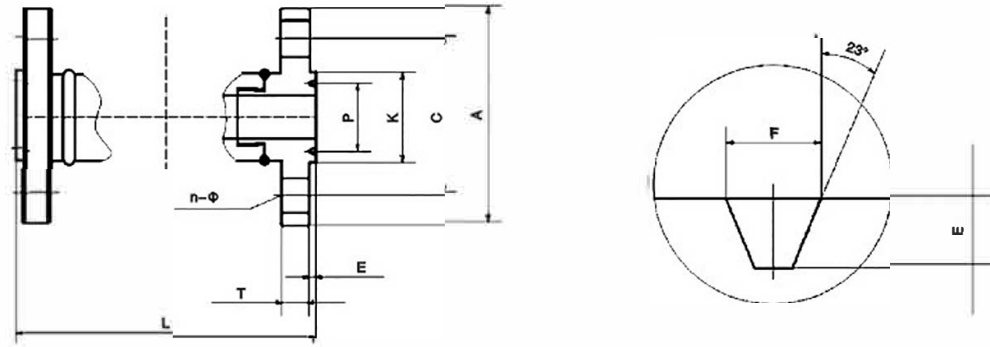
注：① S>22.2mm按A图形加工 Fig A; Applicable for thickness of valve wall S>22.2mm.
② S<22.2mm按B图形加工 Fig B; Applicable for thickness of valve wall S<22.2mm.

六、美标法兰连接结构长度(ANSI B16.10)和法兰端尺寸(ANSI B16.5)
Face to face (ANSI B16.10) and flanged ends dimensions (ANSI B16.5)



Class	NPS	L(ANSI B16.10)				ANSI B16.5						
		闸阀 Gate valve	截止阀/升降式止回阀 Globe valve/Lift check valve	旋启式止回阀 Swing check		A	C	g	D	T	f	Φ
150	1/2	108			90	60.5	35	15	10	2	16	4
	3/4	117			100	70	43	20	11			
	1	127			110	79.5	51	25	11.6			
	1 1/4	140			115	89	63.5	32	13.2			
	1 1/2	165			125	98.5	73	40	14.7			
300	2	178	203		150	120.5	92	50	16.3	2	16	4
	1/2	140	152		95	66.5	35	15	14.7			
	3/4	152	178		115	82.5	43	20	16.3			
	1	165	203	216	125	89	51	25	17.9			
	1 1/4	178	216	229	135	98.5	63.5	32	19.5			
600	1 1/2	190	229	241	155	114.5	73	40	21.1	7	20	8
	2	216	267		165	127	92	50	22.7			
	1/2	165			95	66.5	35	15	15			
	3/4	190			115	82.5	43	20	16			
	1	216			125	89	51	25	18			
900 & 1500	1 1/4	229			135	98.5	63.5	32	21	7	22	4
	1 1/2	241			155	114.5	73	40	23			
	2	292			165	127	92	50	26			
	1/2	216			120	82.5	35	15	22.5			
	3/4	229			130	89	43	20	25.5			
	1	254			150	101.5	51	25	29	7	26	4
	1 1/4	279			160	111	63.5	32	29			
	1 1/2	305			180	124	73	40	32			
	2	368			215	165	92	50	38.5			

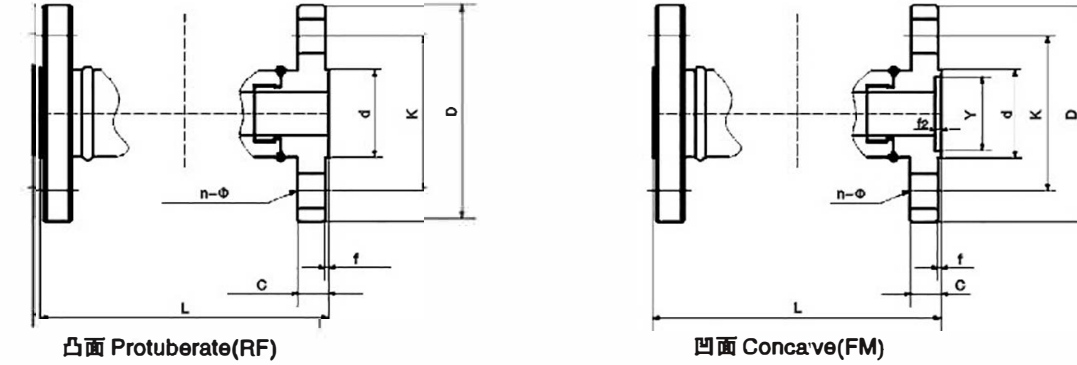
ANSI B16.10 & ANSI B16.5



RTJ

CLASS	SIZE	NPS					
		1/2	3/4	1	1 1/2	1 1/2	2
900 & 1500	L	216	229	254	279	305	371.2
	A	120	130	150	160	180	215
	C	82.5	89	101.5	111	124	165
	K	60.5	66.5	71.5	81	92	124
	P	39.67	44.45	50.8	60.32	68.28	95.25
	T	22.5	25.5	29	29	32	38.5
	F	8.74	8.74	8.74	8.74	8.74	11.91
	E	6.4					7.92
	N-Φ	4-22	4-22	4-26	4-26	4-30	8-26
2500	L	264	273	308	352.2	387.2	454.2
	A	130	140	160	185	205	235
	C	88.9	95.2	108	130	146	171.5
	K	65	73	82.5	102	114	133
	P	42.9	50.8	60.32	72.2	82.5	101.6
	T	30.5	32	35	38.5	44.5	51
	F	8.74	8.74	8.74	11.91	11.91	11.91
	E	6.4			7.92		
	N-Φ	4-22	4-26	4-26	4-29	4-32	4-29

七、中国机标(JB)法兰连接结构长度和法兰端尺寸
Face to face and ends dimension of flanged valve (JB)



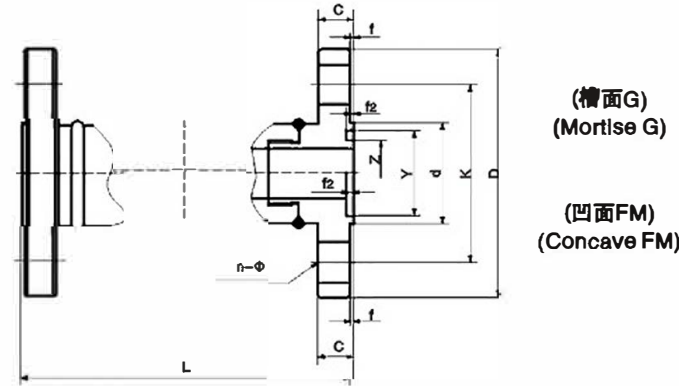
凸面 Protuberate(RF)

凹面 Concave(FM)

尺寸 Dimension	标准 Standard	JB/T96-95 JB/T97-95		JB/T79.1-79.2-94; JB/T82.1-82.2-94										
		L		d	K	D	Y	f ₂	C	f	Φ	n		
压力 Pressure	公称压力 PN(MPa) Nominal pressure	DN	闸阀 Gate valve	截止阀 Globe valve 升降止回阀 lift check valve 旋启止回阀 swing check valve										
1.6	15	15	130	130	45	65	95				14	2	14	4
		20	150	150	55	75	105				14	2	14	
		25	160	160	65	85	115				14	2	14	
		32	160	190	78	100	135				16	2	18	
		40	200	200	85	110	145				16	3	18	
		50	250	230	100	125	160				16	3	18	
		65	265	290	120	145	180				18	3	18	
		2.5 & 4.0	15	15	130	与PN1.6相同 The same as PN 1.6				40	4	与PN1.6相同 The same as PN 1.6		
20	150			与PN1.6相同 The same as PN 1.6				51	与PN1.6相同 The same as PN 1.6					
25	160			与PN1.6相同 The same as PN 1.6				58	与PN1.6相同 The same as PN 1.6					
32	180			与PN1.6相同 The same as PN 1.6				66	与PN1.6相同 The same as PN 1.6					
40	200			与PN1.6相同 The same as PN 1.6				76	与PN1.6相同 The same as PN 1.6					
50	250			与PN1.6相同 The same as PN 1.6				88	与PN1.6相同 The same as PN 1.6					
65	265			与PN1.6相同 The same as PN 1.6				110	与PN1.6相同 The same as PN 1.6					
280	与PN1.6相同 The same as PN 1.6				22	3	18		8					

说明Note: 1、PN4.0MPa法兰端如果必须是突面(RF)法兰一定要注明, 否则按凹法兰供货。1. Please mark flange type when you offer flange that normal pressure is 4.0Mpa, or we will sup pose it as Female Flange 2、PN2.5MPa DN65结构长度“L”为265mm; PN4.0MPa DN65结构长度“L”为280mm。2、Face to face dimension is 265mm when normal diameter is 65mm and normal pressure is 2.5Mpa; Face to face dimension is 280mm when normal diameter is 65 mm and normal pressure is 4.0Mpa.

七、中国机标(JB)法兰连接结构长度和法兰端尺寸
Face to face and ends dimension of flanged valve (JB)



压力 Pressure	标准 Standard		JB/T79.1~79.2-94; JB/T82.1~82.2-94										
	PN (Mpa)	DN	L	d	K	D	Y	f ₂	C	f	φ	n	Z
6.4	15	170	170	55	75	105	40	4	18	2	14	4	28
	20	190	190	68	90	125	51		20	2	18		35
	25	210	210	78	100	135	58		22	2	18		42
	32	230	230	82	110	150	66		24	2	23		50
	40	250	260	g5	125	165	76		24	3	23		60
	50	250	300	105	135	175	88		26	3	23		72
	65	280	340	130	160	200	110		28	3	23		8
10.0	15	与 PN1.6 相同 The same as PN 1.6		与 PN1.6 相同 The same as PN 1.6			与 PN1.6 相同 The same as PN 1.6	20	与 PN1.6 相同 The same as PN 1.6				28
	20							22					35
	25							24					42
	32							24					50
	40							26					60
	50							28					72
	65							32					94
16.0	15	170	与 PN1.6 相同 The same as PN 1.6	52	75	110	与 PN1.6 相同 The same as PN 1.6	24	2	18	4	无 null	
	20	190		62	90	130		26	2	23	4		
	25	210		72	100	140		28	2	23	4		
	32	230		85	115	165		30	2	25	4		
	40	260		92	125	175		32	3	27	4		
	50	300		132	165	215		36	3	25	8		
	65	340		152	190	245		44	3	30	8		

说明Note: PN≥6.4MPa法兰密封形式一般为凹面, 用户其它要求要注明。
When PN≥6.4MPa, Flange Sealing Type Usually is Female. Please mark if you have some other special requirements.

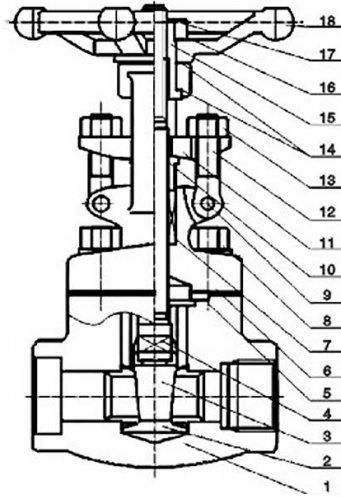
主要规范和标准/Mainly specification and standard

序号 NO.	规范和标准代号CODE	规范和标准名称NAME	备注 NOTE
1	GB/T 13927-2008	通用阀门压力试验General valve pressure testing	
2	JB/T 9092-99	阀门的检验和试验Valve inspection and testing	
3	SH 3064-94	石油化工碳钢通用阀门选用、检验和试验Oil & chemical carbon steel general valve choice selection, test & inspection	
4	GB/T 12221-2005	法兰连接金属阀门结构长度 Flanged metal valve-Face to face	
5	GB/T 12224-2005	钢制阀门一般要求General requirements for industrial steel valves	
6	GB/T 12228-2006	通用阀门锻钢锻件技术条件Standard specification For Carbon Steel Forgings For General Valves	
7	GB/T 12234-2007	通用阀门法兰和对焊连接钢制闸阀General purpose industrial valves-flanged and butt-welding gate valve	
8	GB/T 12235-2007	通用阀门法兰连接钢制截止阀和升降式止回阀General purpose industrial valves-flanged steel globe valve and lift check valves	
9	GB/T 12236-2007	通用阀门钢制旋启式止回阀General purpose industrial valves-steel swing check valve	
10	GB/T 12237-2007	通用阀门法兰和对焊连接钢制球阀General purpose industrial valves-flanged and butt-welding ball valve	
11	JB/T 308-2004	阀门型号编制方法 Compiled Method For Valve Type	
12	JB/T 96-95	截止阀、节流阀和止回阀结构长度 valve & throttle valve & globe valve-Face to face	含旋启式止回阀 Including swing check valve
13	JB/T97-95	闸阀结构长度 Gate Valve -Face To Face	
14	JB/T 82.1-94	凸面和对焊连接铸钢法兰 Raised Face Butt-welding Casting Steel Pipe Flange	又称: 对焊式凸面平法兰(RF) Sealing type: RF; FF
15	JB/T 82.2-94	凹凸面对焊连接铸钢法兰 Male-Female Butt-welding Casting Steel Pipe Flange	
16	JB/T 82.4-94	环连接面对焊连接铸钢法兰 Ring Type Joint Butt-welding Casting Steel Pipe Flange	又称: 环密封法兰(RTJ)或(RJ) Sealing type: RTJ; RJ
17	JB/T 7749-95	低温阀门技术条件 Technical specifications for Cryogenic valve	
18	JB/T 1751-95	承插焊端部尺寸 Socket-Welding Ends	
19	GB 7306-87	密封管螺纹尺寸 Pipe Threads, General Purpose (Inch)	牙形角为55° 内锥管螺纹代号为Rc Angle: 55° Code: Rc
20	HG 20592-97	法兰连接尺寸和密封面型式 Seal type and flange end dimensions	型式、参数(欧洲体系) Reference to European system
21	NACE MR0175	含硫油气井用钢管材料规范 Standard Material Requirements - Sulfide Stress Cracking Resistant Metallic Materials for Oilfield Equipment	美国防腐工程师学会 National Association of Corrosion Engineers
22	ASME/ANSI B16.34	法兰连接和对焊连接阀门 Valves Flanged Threaded and Welding End	壳体壁厚和壳体材料压力-温度关系 Relation between wall thickness and material temperature-pressure
23	ASME/ANSI B16.10	法兰连接和对焊连接阀门结构长度 Face to Face and End to End Dimensions-flanged and butt-welding valves	
24	ASME/ANSI B16.5	法兰端部尺寸 Pipe Flanges & flanged Fittings	主要形式为RF或RJ/Main sealing type: RF&RJ
25	ANSI B1.20.1	密封管螺纹尺寸 Pipe Threads, General Purpose (Inch)	牙形角60° 内锥管螺纹代号FNPT/Angle: 60° Code: FNPT
26	ASME/ANSI B16.11	承插焊端部尺寸 Forged Steel Fittings, Socket-Welding And Threaded	代号为: SWCode: SW
27	ASME/ANSI B16.25	对焊端部尺寸 Butt Welding Ends	代号为: BWCode: BW
28	API 598	阀门检验和试验 Valve Inspection and testing	
29	API 600	法兰连接和对焊连接钢制闸阀 Bolted bonnet steel gate valves for petroleum and natural gas industries-modified national adoption	压力级CLASS150-2500; F1"-24"全径 CLASS150-2500NPS1"-24" (full port)
30	API 602	紧凑型钢制阀门 Compact steel gate valves-flanged, threaded welding, and extended body ends	压力级CLASS150-2500; 1/4"-3" 端 CLASS150-1500 NPS1/4"-4" (red. acceptort)
31	BS 5352	石油化工和有关工业用≤60毫米闸阀、止回阀、球阀 Specification for steel wedge gate, globe and check valves, 60 mm and smaller for the petroleum, petrochemical and allied industries	
32	BS 6755	阀门的检验和试验 Testing of valves. Specification for fire type-testing requirements	
33	JIS B2002	法兰连接和对焊连接阀门结构长度 Face to Face and End to End Dimensions-flanged and butt-welding valves	
34	JIS B2212-B2216	法兰端部尺寸 Flanged ends	RF

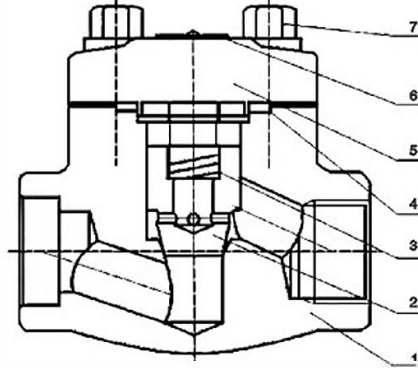
符号	名称 Name	符号	名称 Name	符号	名称 Name
GB	中国国家标准 China national standard	SH	中国石油化工标准 Ministry of petroleum and chemical industry standard	NACE	美国防腐工程师学会标准 National Association of Corrosion Engineers
GB/T	中国国家标准 China national recommended standard	ANSI	美国国家标准 American national standards institute	BS	英国国家标准 British standard
JB	中国机械部标准 Ministry of mechanical industry standard	ASME	美国机械工程师协会标准 American Society of Mechanical Engineers	JIS	日本工业标准 Japanese Institute standard
HG	中国化工部标准 Ministry of chemical industry standard	API	美国石油学会标准 American Petroleum Institute	ISO	国际标准化组织标准 International organization for standardization

典型锻钢阀门/Typical Forged Valve

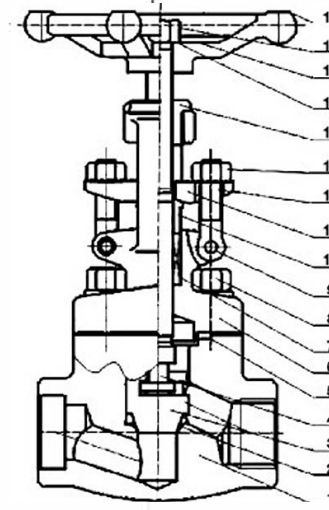
典型锻钢阀门/Typical Forged Valve



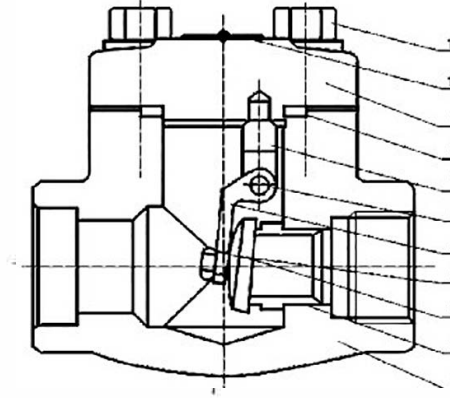
闸阀 Gate valve



升降式止回阀 Piston check valve



截止阀 Globe valve



旋启式止回阀 Swing check valve

序号 NO.	零件名称 Part name	数量 Qty.	ASTM规范 Specifications									
			A105	A350				A182				
				LF2	F5	F11	F22	F304	F304L	F316	F316L	
1	阀体 Body	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
2	阀座 Seat	2	A276-420+STL				304+STL	304L+STL	316+STL	316L+STL		
3	闸板 Wedge	1	A276-420				304+STL	304L+STL	316+STL	316L+STL		
4	闸杆 Stem	1	A276-410				A276-304	A276-304L	A276-316	A276-316L		
5	垫片 Gasket	1	304+柔性石墨 Graphite				316+柔性石墨 Graphite					
6	阀盖 Bonnet	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
7	填料 Packing	1set	石墨 Graphite				石墨 Graphite					
8	中部螺栓 Bolt	4	A193-B7	A320-L7	A193-B16		A193-B8 A193-B8M					
9	无头销钉 Pin	2	A276-410				A276-304					
10	压盖 Gland	1	A276-410				A276-304	A276-316				
11	压板 Gland flange	1	A105				F304					
12	活节螺栓 Bolt	2	A193-B7	A320-L7	A193-B16		A193-B8	A193-B8M				
13	螺母 Nut	2	A194-2H	A194-7	A194-4		A194-8	A194-B8M				
14	垫片 Gasket	2	A276-410									
15	闸杆升降螺母 Nut	1	A276-410				A276-410					
16	名牌 Name plate	1	铝 aluminum									
17	螺母 Nut	1	A108-1020									
18	手轮 Handwheel	1	A47									

序号 NO.	零件名称 Part name	数量 Qty.	ASTM规范 Specifications									
			A105	A350				A182				
				LF2	F5	F11	F22	F304	F304L	F316	F316L	
1	阀体 Body	1						F304	F304L	F316	F316L	
2	阀瓣 Disc	1	A276-420				304+STL	304L+STL	316+STL	316L+STL		
3	弹簧 Spring	1	316									
4	垫片 Gasket	1	304+石墨 Graphite				316+石墨 Graphite					
5	阀盖 Bonnet	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
6	名牌 Name plate	1	铝 aluminum									
7	螺栓 Bolt	4	A193-B7	A320-L7	A193-B16		A193-B8	A193-B8M				

说明Note: STL为stellite硬质合金; 也可按客户要求生产。STL is stellite, can also manufacture as per customer's requirement.

序号 NO.	零件名称 Part name	数量 Qty.	选材组合 Select material									
			A105	A350		F5	F11	F22	A182			
				LF2	F5				F11	F22	F304	F304L
1	阀体 Body	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
2	阀座 Seat	1	13Cr				304+STL	304L+STL	316+STL	316L+STL		
3	阀瓣 Disc	1	A276-420				304+STL	304L+STL	316+STL	316L+STL		
4	闸杆 Stem	1	A276-410				A276-304	A276-304L	A276-316	A276-316L		
5	垫片 Gasket	1	304+柔性石墨 Graphite				316+柔性石墨 Graphite					
6	阀盖 Bonnet	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
7	填料 Packing	1	石墨 Graphite				石墨 Graphite					
8	螺栓 Bolt	4	A193-B7	A320-L7	A193-B16		A193-B8 A193-B8M					
9	无头销钉 Pin	2	A276-410				A276-304					
10	压盖 Gland	1	A276-410				A276-304	A276-316				
11	压板 Gland flange	1	A105				F304					
12	活节螺栓 Bolt	2	A193-B7	A320-L7	A193-B16		A193-B8	A193-B8M				
13	螺母 Nut	2	A194-2H	A194-7	A194-4		A194-8	A194-8M				
14	闸杆升降螺母 Nut	1	A276-410				A276-410					
15	垫片 Gasket	1					A108-1020					
16	名牌 Name plate	1	铝 aluminum									
17	螺母 Nut	1	A194-2H									
18	手轮 Handwheel	1	A47									

序号 NO.	零件名称 Part name	数量 Qty.	选材组合 Select material									
			A105	A350		F5	F11	F22	A182			
				LF2	F5				F11	F22	F304	F304L
1	阀体 Body	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
2	阀座 Seat	1	A276-420+STL				304	304L	316	316L		
3	阀瓣 Disc	1	A276-420				304	304L	316	316L		
4	螺母 Nut	1	A194-8									
5	摇臂 rocker	1	A351-CF8M									
6	销钉 Pin	1	A276-304									
7	摇臂定位销	1	A276-420				A276-304	A276-316				
8	垫片 Gasket	1	304+石墨 Graphite				316+石墨 Graphite					
9	阀盖 Bonnet	1	A105	LF2	F5	F11	F22	F304	F304L	F316	F316L	
10	名牌 Name plate	1	铝 aluminum									
11	螺栓 Bolt	4	A193-B7	A320-L7	A193-B16		A193-B8	A193-B8M				

说明Note: STL为stellite硬质合金; 也可按客户要求生产。STL is stellite, can also manufacture as per customer's requirement.

主要材质化学成分和机械性能/Material chemical analysis and mechanical capacity

材料种类 Material type	碳钢 Carbon steel	低温钢 A350 Low temperature steel		合金钢 A182 Alloy steel A182			奥氏体不锈钢 A182 Stainless steel A182						
	A105	LF2	LF3	F5	F11	F22	F304	F316	F304L	F316L	F321	F347	
化学成分 Chemical composition	C	≤0.35	≤0.3	≤0.2	≤0.15	0.1~0.2	0.05~0.15	≤0.08	≤0.08	≤0.035	≤0.035	≤0.08	≤0.08
	Si	0.1~0.35	0.15~0.3	0.2~0.35	≤0.5	0.5~1.0	≤0.5	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0	≤1.0
	Mn	0.6~1.05	0.6~1.35	≤0.9	0.3~0.6	0.3~0.8	0.3~0.6	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0	≤2.0
	P	0.035	≤0.035	≤0.035	≤0.03	≤0.04	≤0.04	≤0.045	≤0.045	≤0.045	≤0.045	≤0.045	≤0.045
	S	≤0.04	≤0.04	≤0.04	≤0.03	≤0.04	≤0.04	≤0.03	≤0.03	≤0.03	≤0.03	≤0.03	≤0.03
	Cr	≤0.30	≤0.3	≤0.3	4.0~6.0	1.0~1.5	2.0~2.5	18.0~20.0	16.0~18.0	18.0~20.0	16.0~18.0	17.0~19.0	17.0~20.0
	Ni	≤0.4	≤0.4	3.3~3.7	≤0.5	-	-	8.0~11.0	10.0~14.0	8.0~13.0	10.0~15.0	9.0~12.0	9.0~13.0
	Mo	≤0.12	≤0.12	≤0.12	0.44~0.65	0.44~0.65	0.87~1.13	-	2.0~3.0	-	2.0~3.0	-	-
	Cu	≤0.4	≤0.4	≤0.4	-	-	-	-	-	-	-	-	-
	V	≤0.08	≤0.08	≤0.03	-	-	0.15~0.3	-	-	-	-	-	-
Nb	≤0.02	≤0.02	≤0.02	-	-	-	-	-	-	-	-	-	
机械性能 Mechanical capacity	σ _b (MPa)	≥485	≥485	≥485	≥485	≥485	≥515	≥515	≥485	≥485	≥515	≥515	
	σ _s (MPa)	≥250	≥250	≥275	≥275	≥275	≥310	≥205	≥205	≥170	≥170	≥205	
	σ%	≥22	≥22	≥25	≥20	≥20	≥20	≥30	≥30	≥30	≥30	≥30	
	ψ%	≥30	≥30	≥50	≥35	≥30	≥30	≥50	≥50	≥50	≥50	≥50	
	HB	≤187	≤197	≤197	143~217	143~207	156~207	-	-	-	-	-	-
适用温度 Suitable temperature	-29~425℃	-46~350℃	-101~46℃	≤550℃	≤540℃	≤570℃	-253~730℃(按不同介质而定) (depend on different medium)						

主要材质化学成分和机械性能/Material chemical analysis and mechanical capacity

材料种类 Material type							Inconel						
	F317	F317L	F310H	F9	F91	F53	F51	F5a	Monel400	625	B62	Alloy 20	
化学成分 Chemical composition	C	≤0.08	≤0.03	0.04~0.10	≤0.15	0.08~0.12	≤0.030	≤0.030	≤0.25	≤0.3	≤0.1		≤0.01
	Si	≤1.0	≤1.0	≤1.0	0.50~1.00	0.20~0.50	≤0.8	≤1.00	≤0.50	≤0.5	≤0.5	≤0.005	≤0.05
	Mn	≤2.00	≤2.0	≤2.0	0.30~0.60	0.30~0.60	≤1.20	≤2.00	≤0.60	≤2.0	≤0.5		≤0.04
	P	≤0.045	≤0.045	≤0.045	≤0.03	≤0.020	≤0.035	≤0.03	≤0.040		≤0.015	≤0.05	≤0.005
	S	≤0.03	≤0.03	≤0.03	≤0.03	≤0.010	≤0.020	≤0.02	≤0.030	≤0.024	≤0.015	≤0.08	≤0.005
	Cr	18.0~20.0	18.0~20.0	24.0~28.0	8.00~10.0	8.0~9.5	24.0~26.0	21.0~23.0	4.0~8.0		20~23		≤0.25
	Ni	11.0~15.0	11.0~15.0	19.0~22.0		≤0.4	6.0~8.0	4.5~6.5	≤0.50	≥63	≥58	≤1.0	≤0.30
	Mo	3.0~4.0	3.0~4.0		0.90~1.10	0.85~1.05	3.0~5.0	2.5~3.5	0.44~0.65		8~10		≤0.10
	Cu						≤0.5	(N)0.08~0.20		28~34	≤0.5	84.0~86.0	(Co) 0.05
	V						(N)0.24~0.32			(Fe) 2.5	(Fe) 5 (Al) 0.4 (Ti) 0.4	(Sn)4.0~6.0	
Nb										3.15~4.15	(Pb)64.0~6.0 (Zn)4.0~6.0		
机械性能 Mechanical capacity	σ _b (MPa)	≥515	≥515	≥515	≥585	≥620	≥800	≥620	≥620	≥483	≥827	≥205	≥620
	σ _s (MPa)	≥205	≥205	≥205	≥380	≥415	≥550	≥450	≥450	≥172	≥414	≥95	≥300
	σ%	≥30	≥30	≥30	≥20	≥20	≥15	≥15	≥22	≥35	≥30	≥20	≥40
	ψ%	≥50	≥50	≥50	≥40	≥40			50				
	HB				179~217	190~248	310max		187~248				
适用温度 Suitable temperature	-29~425℃ -253~730℃			-29℃ ~650℃	-29℃ ~850℃		≤550℃	≤550℃	-240℃ ~480℃	-253℃ ~860℃	-253℃ ~230℃	-29℃ ~850℃	