



Your Partner of Flow Control System

www.ydfvalve.com

Your Partner of Flow Control System

JIANGSU YDF VALVE CO., LTD.

SALES OPERATION CENTER

ADD: 1906, Harmony Center Building 1, No.269, Wangdun RD,
Suzhou Industrial Park, Jiangsu, P.R. China 215028

TEL: 0512-80806868

FAX: 0512-80806158

MAIL: sales@ydfvalve.com

YANCHENG FACTORY

ADD: YDF Industrial Zone , Shangzhuang Town, Yancheng City ,
Jiangsu Province , China 224023

YDF Reserves the right to change design, materials or specifications without prior notice and free of obligation to provide or install such changes on products sold previously.

FORGED STEEL

Gate ,
Globe ,
Check Valve



Cat. YDF-E05-R23

YDF's Facilities

YDF sales headquarter is located in Suzhou, China, and YDF Valves are manufactured in 3 specialized manufacturing plants located in Yancheng City, Jiangsu Province, China , and 2 professional casting foundries located in Binhai City, Jiangsu Province, China. We have a total of around 900 employees and 129,000 meter square cover area. YDF has a specialized quality testing center, CNC machine center and places high emphasis on numerous quality testing to ensure our customers receive the highest quality product possible. ERP system bring the real time production to high efficiency. In-house testing capacities include high pressure gas, cryogenic, high temperature, fugitive emission testing, mechanical cycle testing, fire safe testing etc.

Quality Assurance

YDF's quality assurance is dedicated to supply zero defect valves to customers with reliable service life. Through our quality compliance, we have achieved the following certifications: ISO9001, ISO14001, ISO45001, CE/PED, ATEX, API Spec Q1, API591, API602, API607/6FA/6FD, API 624, API 641, TA Luft/ISO15848-1, ABS, BV, DNV, CCS, SIL 3 and TS. In years to come, we at YDF will continue to build qualified products that meet and exceed our customers' satisfaction.



YDF VALVES was established in year 1978, as one of the leading valve manufacturers in China, YDF is specialized in the development of innovative design, through intensive R&D programs and a commitment to be a good partner of flow control system.

YDF's main product lines include Ball, Gate, Globe, Check, Butterfly and Power Station valves. These products have been widely used throughout the world in Oil, Gas, Chemical, Refining, Power Generation, Marine and Pipeline Transmission industrial application.



ISO 9001

ISO 14001

ISO 45001

CE/PED

API Spec Q1

API 591

Contents

1~2 Company Introduction

3 How To Order

4~10 Gate Valve

11~16 Globe Valve

17~23 Check Valve

24 Product Quality Policy



API 607/6FA/6FD

TA Luft/ISO15848-1

API 624/API641

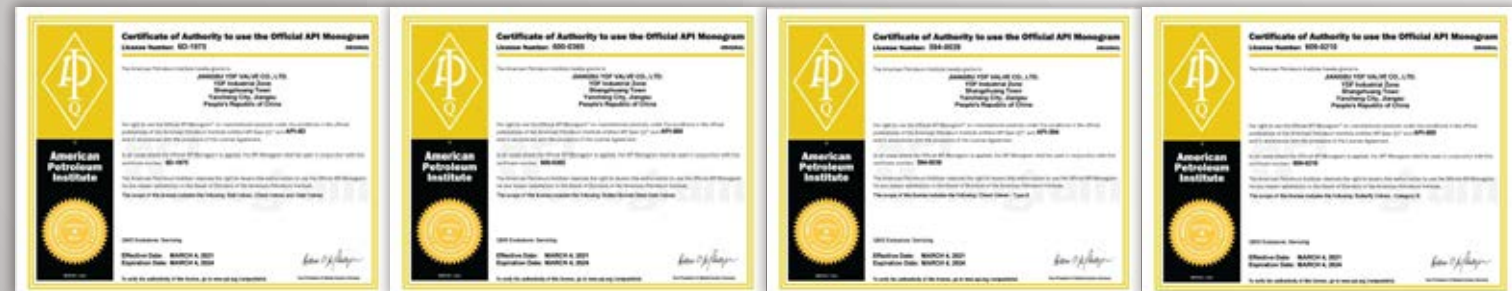
ABS

BV

DNV

CCS

SIL 3



API 6D

API 600

API 594

API 609



HOW TO ORDER

Example:

1 GA, 6 S FW, A105N / No.1

1

VALVE SIZE

GA

VALVE TYPE

Valve Type	Gate Valve	Pressure-seal Gate Valve	Globe Valve	Pressure-seal Globe Valve	Piston Check Valve	Swing Check Valve	Pressure-seal Piston Check Valve	Pressure-seal Swing Check Valve
Symbol	GA	GAPS	GL	GLP	P	SC	PP	SCP

6

VALVE CLASS

ANSI Class	150	300	600	800	900	1500	2500
Symbol	1	3	6	8	9	15	25

S

END CONNECTION

End Connection	Socket Welding End	NPT Screwed End	Butt Welding End	Screwed x Socket	Raised Flange	RTJ Flange
Symbol	S	N	B	SN	R	J

FW

SPECIAL CODE

Description	Welding Bonnet	RTJ Bonnet	Full Port	Electric Actuator	Pneumatic Actuator
Symbol	WB	J	FP	M	BP

A105N

BODY MATERIALS

Body Materials	A105N	LF2	F11	F22	F5	F316	F304	F316L	F304L
ASTM Ref.	A105N	A350 Gr.LF2	A182 Gr.F11	A182 Gr.F22	A182 Gr.F5	A182 Gr.F316	A182 Gr.F304	A182 Gr.F316L	A182 Gr.F304L

NO.1

TRIM MATERIALS

Symbol	API600	Disc Surface	Seat Surface	Stem Materials	Stem Materials
No.1	1	Er410	Er410	ASTM A182-F6a	ASTM A276 T410
No.2	2	304	304	ASTM A182-F304	ASTM A276 T304
No.5	5	ERCoCrA	ERCoCrA	ASTM A182-F6a	ASTM A276 T410
No.8	8	ERCoCrA	Er410	ASTM A182-F6a	ASTM A276 T410
No.10	10	316	316	ASTM A182-F316	ASTM A276 T316
No.12	12	ERCoCrA	316	ASTM A182-F316	ASTM A276 T316
No.15	15	ERCoCrA	ERCoCrA	ASTM A182-F304	ASTM A276 T304
No.16	16	ERCoCrA	ERCoCrA	ASTM A182-F316	ASTM A276 T316



FORGED STEEL GATE VALVES

YDF forged steel gate valve are manufactured in accordance with API602, ISO15761 and ASME B16.34 and tested to API598. And forged steel gate valve are available in three bonnet designs: bolted bonnet, welded bonnet and pressure seal bonnet.



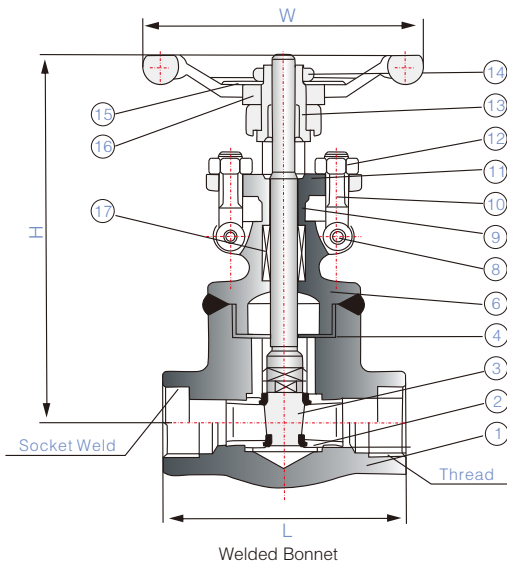
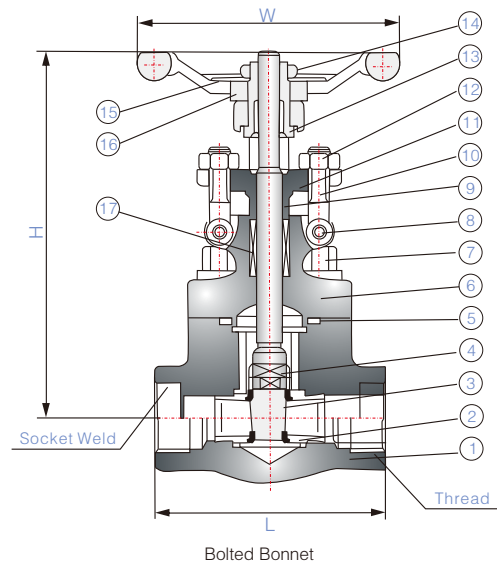
Design Feature

- Full port or Reduced port
- OS&Y, Outside screw and yoke
- The gland and gland flange self aligning design
- Bolted bonnet/Welded Bonnet/Pressure seal bonnet
- Integral backseat
- Socket welded (SW) ends to ASME B16.11
- Screwed ends (NPT) to ASME B1.20.1
- Flanges (RF/RTJ) according to ASME B16.5
- Integral flange or welded flange
- BW ends to ASME B16.25
- Low emission certified (optional)
- Cryogenic forged steel gate valve (optional)



GATE VALVE

800LB 900LB 1500LB
SW/NPT END



Material List

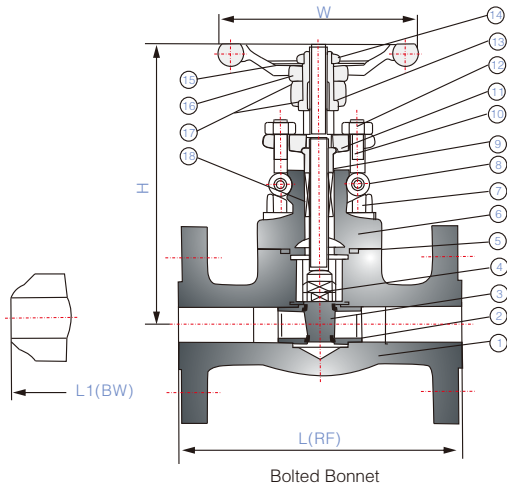
No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	Seat	A182 F6a+STL.6	A182 F304	A182 F304(L)	A182 F316(L)
3	Wedge	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
5	Gasket	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS316+Graphite
6	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
7	Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
8	Pin	A276 410	A276 304	A276 304	A276 316
9	Gland	A276 410	A276 304	A276 304	A276 316
10	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
11	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
12	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
13	Yoke Nut	A276 410	A276 410	A276 410	A276 410
14	H.W.Lock Nut	A194 2H	A194 4	A194 8	A194 8M
15	Nameplate	SS304	SS304	SS304	SS304
16	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
17	Stem Packing	Flexible graphite	Flexible graphite	PTFE	PTFE

Dimension and Weight

NPS		Conv.		3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
		Full		/	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
800LB	L		mm	76	76	92	106	120	114	144	170
	H(OPEN)		mm	158	158	169	197	236	246	283	330
	W		mm	100	100	100	125	160	160	160	200
	Weight	Bolted	kg	2.0	2.1	2.3	4.3	5.9	6.9	11.1	15.2
		Welded	kg	1.7	1.8	2.0	3.8	5.1	6.1	10.2	14.2
900LB 1500LB	L		mm	111	111	111	120	120	140	170	210
	H(OPEN)		mm	169	197	197	236	246	283	330	354
	W		mm	125	125	125	160	160	180	200	210
	Weight	Bolted	kg	2.5	4.2	4.3	6.6	8.8	12.5	17.2	23.5
		Welded	kg	2.4	4.0	4.2	6.3	8.7	12.1	17.2	22.0

GATE VALVE

150LB ~1500LB
RF/BW END



Material List

No.	Part Name	CS to ASTM	AS to ASTM	SS to ASTM	
		Type A105N	Type LF3	Type F304(L)	Type F316(L)
1	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	Seat	A182 F6a+STL.6	A182 304	A182 304(L)	A182 316(L)
3	Wedge	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
5	Gasket	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS316+Graphite
6	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
7	Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
8	Pin	A276 410	A276 304	A276 304	A276 304
9	Gland	A276 410	A276 304	A182 F304(L)	A182 F316(L)
10	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
11	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
12	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
13	Yoke Nut	A276-410	A276-410	A276-410	A276-410
14	H.W.Lock Nut	A194 2H	A194 4	A194 8	A194 8M
15	Nameplate	SS	SS	SS	SS
16	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
17	Stem Packing	Flexible Graphite	Flexible Graphite	Flexible Graphite	Flexible Graphite

Dimension and Weight

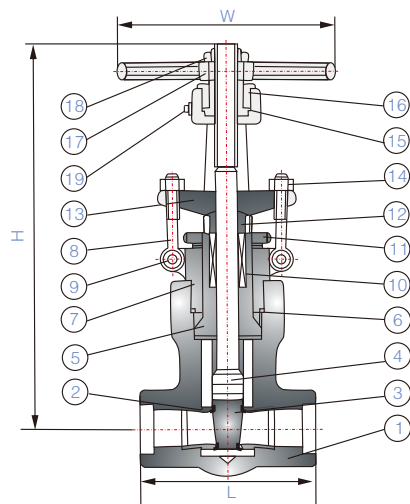
NPS			1/2	3/4	1	1 1/4	1 1/2	2	
150LB	L(RF)		mm	108	117	127	140	165	178
	L1(BW)		mm	108	117	127	140	165	178
	H(OPEN)		mm	158	169	197	236	246	283
	W		mm	100	100	125	160	160	160
	Weight	RF	kg	4.5	5.2	8.2	11.5	12.5	20.3
		BW	kg	2.8	3.3	5.4	7.1	8.2	12.5
300LB	L(RF)		mm	140	152	165	178	190	216
	L1(BW)		mm	140	152	165	178	190	216
	H(OPEN)		mm	158	169	197	236	246	283
	W		mm	100	100	125	160	160	160
	Weight	RF	kg	4.8	6.2	9.3	14	15.5	23.4
		BW	kg	3.5	4.4	6.8	8.1	9.2	15.4
600LB	L(RF)		mm	165	190	216	229	241	292
	L1(BW)		mm	165	190	216	229	241	292
	H(OPEN)		mm	169	197	236	246	283	320
	W		mm	100	100	125	160	160	160
	Weight	RF	kg	5.9	7.4	10.4	16.2	17.5	28.3
		BW	kg	4.5	5.1	8.2	10.5	12.4	20.1

NPS			1/2	3/4	1	1 1/4	1 1/2	2	
900LB	L(RTJ)		mm	216	229	254	279	305	371
	L1(BW)		mm	216	229	254	279	305	368
	H(OPEN)		mm	197	197	236	246	283	330
	W		mm	125	125	160	160	180	200
	Weight	RTJ	kg	7.2	11.5	15.6	16.2	22.6	32.8
		BW	kg	5.2	9.3	12.4	13.8	18.9	27.5
1500LB	L(RTJ)		mm	216	229	254	279	305	371
	L1(BW)		mm	216	229	254	279	305	368
	H(OPEN)		mm	197	197	236	246	283	330
	W		mm	125	125	160	160	180	200
	Weight	RTJ	kg	7.2	11.5	15.6	16.2	22.6	32.8
		BW	kg	5.2	9.3	12.4	13.8	18.9	27.5



PRESSURE SEAL
GATE VALVE

900LB ~ 2500LB
SW/NPT END



Pressure Seal Bonnet

Material List

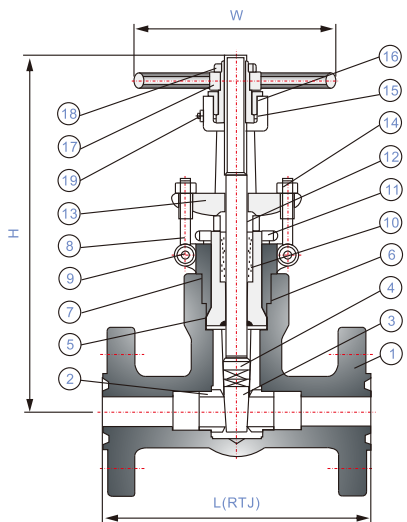
No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	Seat	A182 F6a+STL.6	A182 F304	A182 F304(L)	A182 F316(L)
3	Wedge	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
5	Pressure Seat	A105N	A182 F304	A182 F304(L)	A182 F316(L)
6	Pressure Ring	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
7	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
8	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
9	Pin	A276 410	A276 304	A276 304	A276 316
10	Stem Packing	Flexible graphite	Flexible graphite	PTFE	PTFE
11	P.S.Lock Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)
12	Gland	A276 410	A276 304	A276 304	A276 316
13	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
14	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
15	Yoke Nut	A276 410	A276 410	A276 410	A276 410
16	Retaining Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)
17	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
18	H.W.Lock Nut	A194 2H	A194 4	A194 8	A194 8M
19	Oil Cup	Brass	Brass	Brass	Brass

Dimension and Weight

NPS			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
900LB	L	mm	120	120	140	178	178	216
	H(OPEN)	mm	321	321	321	380	414	502
	W	mm	160	160	180	200	250	280
	Weight	kg	10.5	10.8	11.5	19.6	21.0	55.4
1500LB	L	mm	120	120	140	178	178	216
	H(OPEN)	mm	321	321	321	380	414	502
	W	mm	160	160	180	200	250	280
	Weight	kg	10.5	10.8	11.5	19.6	21.0	55.4
2500LB	L	mm	140	140	186	232	232	279
	H(OPEN)	mm	321	321	321	380	414	502
	W	mm	160	160	180	200	250	280
	Weight	kg	10.8	11.6	12.3	26.0	28.4	60.0

PRESSURE SEAL
GATE VALVE

900LB~2500LB
RTJ END



Pressure Seal Bonnet

Material List

No.	Part Name	CS to ASTM	AS to ASTM	SS to ASTM	
		Type A105N	Type F22	Type F304(L)	Type F316(L)
1	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	Seat	A182 F6a+STL.6	A182 F304	A182 F304(L)	A182 F316(L)
3	Wedge	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
5	Pressure Seat	A105N	A182 F304	A182 F304(L)	F316(L)
6	Pressure Ring	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
7	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
8	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
9	Pin	A276 410	A276 304	A276 304	A276 316
10	Stem Packing	Flexible Graphite	Flexible Graphite	Flexible Graphite	Flexible Graphite
11	P.S.Lock Nut	A194 2H	A194 4	A194 8	A194 8M
12	Gland	A182 F6a	A182 304	A182 F304(L)	A182 F316(L)
13	Gland Flange	A105N	A105N	F304	F304
14	Nut	A194 2H	A194 4	A194 8	A194 8M
15	Yoke Nut	A276 420	A276 420	A276 420	A276 420
16	Retaining Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)
17	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
18	H.W.Lock Nut	A194 2H	A194 4	A194 8	A194 8M
19	Oil Cup	Brass	Brass	Brass	Brass

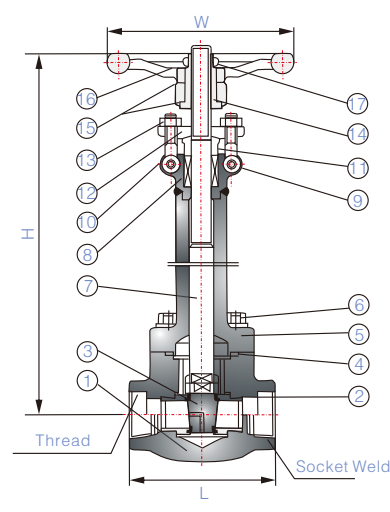
Dimension and Weight

NPS			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
900LB	L(RTJ)	mm	216	229	254	279	305	317
	H(OPEN)	mm	216	250	270	320	350	445
	W	mm	160	160	180	200	250	280
	Weight	kg	19.6	21.5	25.7	37.8	48.5	99.8
1500LB	L(RTJ)	mm	216	229	254	279	305	317
	H(OPEN)	mm	216	250	270	320	350	445
	W	mm	160	160	180	200	250	280
	Weight	kg	19.6	21.5	25.7	37.8	48.5	99.8
2500LB	L(RTJ)	mm	264	273	308	349	384	454
	H(OPEN)	mm	321	321	321	373	406	495
	W	mm	160	160	180	200	250	280
	Weight	kg	21.5	24.7	30.4	48.1	58.1	130.0

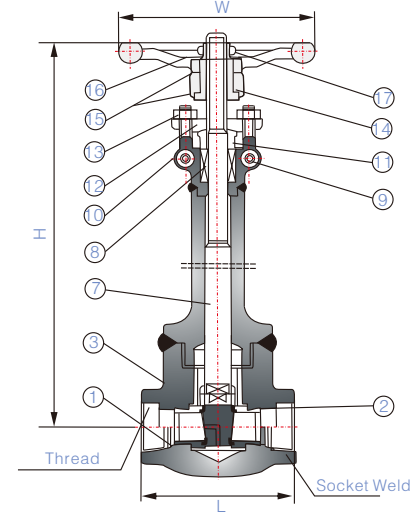


LOW TEMPERATURE/ CRYOGENIC GATE VALVE

800LB
SW/NPT END



Bolted Bonnet



Welded Bonnet

Material List

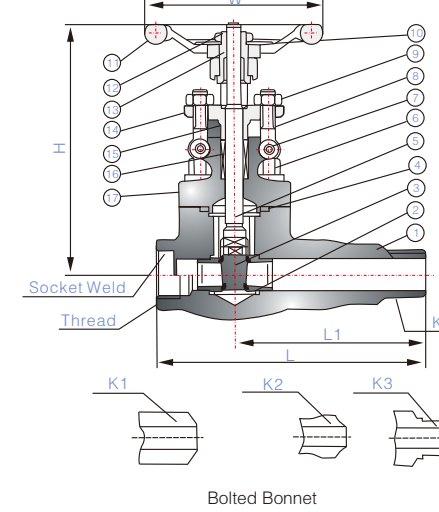
No.	Part Name	Low Temperature Cast Steel		Stainless Steel	
1	Body	A350 LF2	A350 LF3	A182 F304(L)	A182 F316(L)
2	Seat	A182 F6a+STL.6	A182 F6a+STL.6	A182 F304(L)+STL	A182 F316(L)+STL
3	Wedge	A350 LF2	A350 LF3	A182 F304(L)+STL	A182 F316(L)+STL
4	Gasket	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS316+Graphite
5	Bonnet	A350 LF2	A350 LF3	A182 F304(L)	A182 F316(L)
6	Bonnet Bolt	A320 L7	A320 L7	A193 B8	A193 B8M
7	Stem	A182 F6a	A182 F6a	A182 F304(L)	A182 F316(L)
8	Stem Packing	Flexible Graphite	Flexible Graphite	PTFE	PTFE
9	Pin	A276 410	A276 410	A276 304	A276 316
10	Gland Eyebolt	A320 L7	A320 L7	A193 B8	A193 B8M
11	Gland	A276 410	A276 410	A276 304	A276 316
12	Gland Flange	A350 LF2	A350 LF3	A182 F304(L)	A182 F316(L)
13	Gland Nut	A194 4	A194 4	A194 8	A194 8M
14	Yoke Nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
15	Nameplate	SS304	SS304	SS304	SS304
16	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
17	H.W.Lock Nut	A194 2H	A194 2H	A194 8	A194 8M

Dimension and Weight

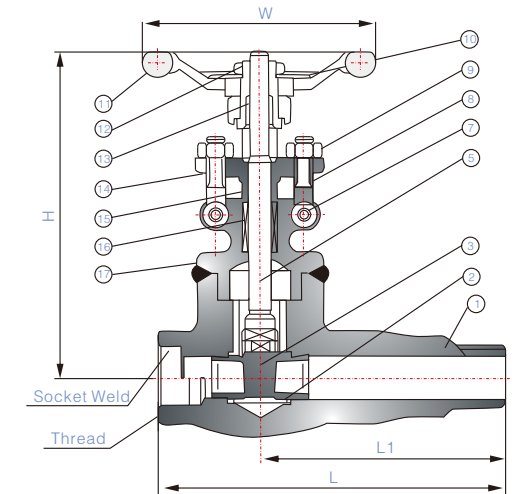
NPS		Conv.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"
		Full	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
800LB	L	mm	76	92	106	120	114	144	170
	H(OPEN)	mm	330	333	360	407	475	475	551
	W	mm	100	100	125	160	160	180	200
	Weight								
	Bolted	kg	5.2	7.1	9.4	13.5	15	17.8	28.0
	Welded	kg	4.8	6.4	8.7	12.2	13.4	15.2	26.0

EXTENDED BODY GATE VALVE

800LB
SW/NPT END



Bolted Bonnet



Welded Bonnet

Material List

No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	Seat	A182 F6a+STL.6	A182 F304	A182 F304(L)	A182 F316(L)
3	Wedge	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Gasket	SPW. SS304+Graphite	SPW. SS304+Graphite	SPW. SS304+Graphite	SPW. SS316+Graphite
5	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
6	Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
7	Pin	A276 410	A276 304	A276 304	A276 316
8	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
9	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
10	Nameplate	SS304	SS304	SS304	SS304
11	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
12	H.W.Lock Nut	A194 2H	A194 4	A194 8	A194 8M
13	Yoke Nut	A276 420	A276 420	A276 420	A276 420
14	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
15	Gland	A276 410	A276 304	A276 304	A276 316
16	Stem Packing	Flexible Graphite	Flexible Graphite	PTFE	PTFE
17	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)

The Specific Connection Code

Connection Code	K	K1	K2	K3
	Screwed Weld	Inclined End	A Full Strength End	Socket Weld End

Dimension and Weight

NPS		Conv.	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
		Full	/	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
800LB	L1	mm	107.5	107.5	107.5	120	127	127	152
	L	mm	147	147	153.5	175.5	187	187	222
	H(OPEN)	mm	158	158	169	197	236	246	283
	W	mm	100	100	100	125	160	160	180
	Weight	Bolted	kg	3.1	2.9	3.4	5.5	7.8	8.3
		Welded	kg	2.8	2.6	3.1	5.1	7.4	7.6



Bolted Bonnet

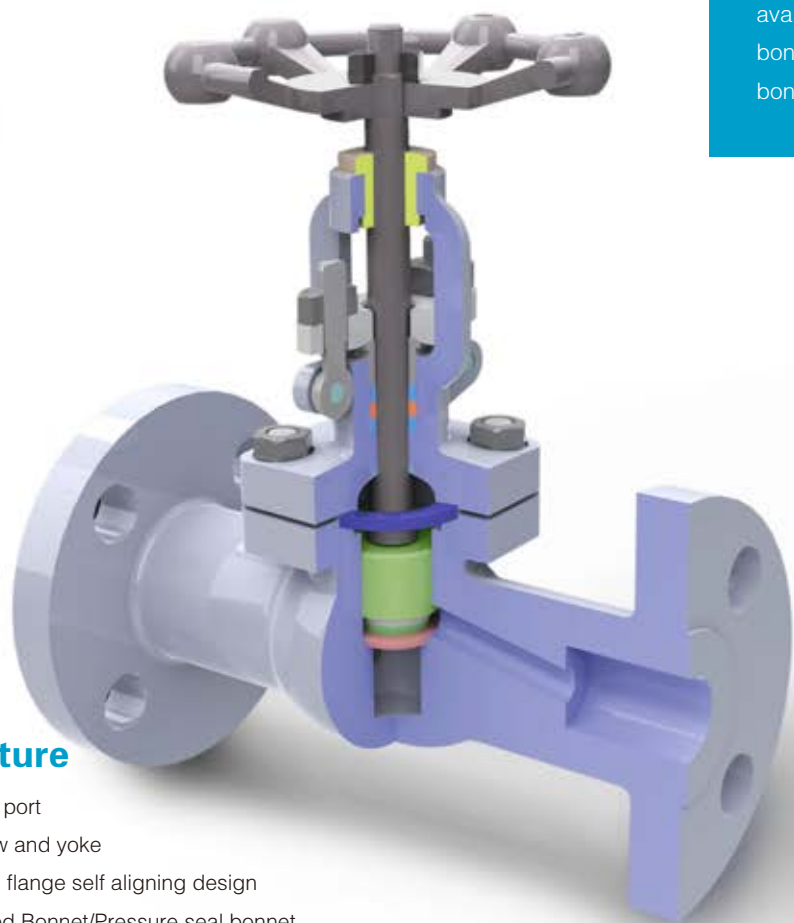
Bolted Bonnet

Welded Bonnet

Pressure Seal Bonnet

FORGED STEEL GLOBE VALVES

YDF forged steel globe valve are manufactured in accordance with API602, ISO15761 and ASME B16.34 and tested to API598. And forged steel globe valve are available in three bonnet designs: bolted bonnet, welded bonnet and pressure seal bonnet.

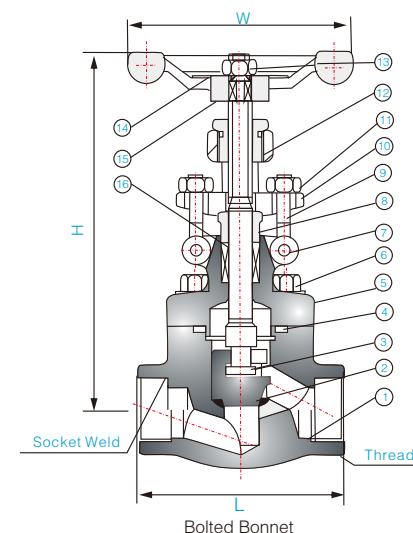


Design Feature

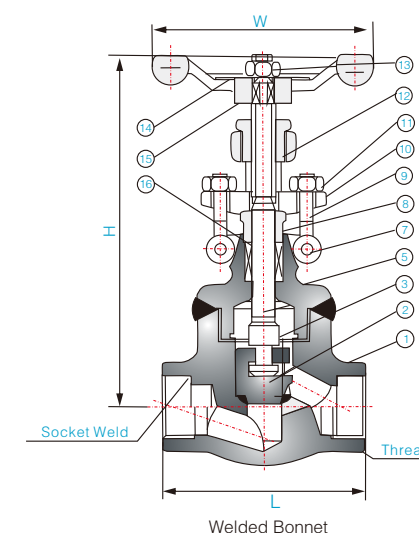
- Full port or Reduced port
- OS&Y, Outside screw and yoke
- The gland and gland flange self aligning design
- Bolted bonnet/Welded Bonnet/Pressure seal bonnet
- Integral type back seat
- Socket welded (SW) ends to ASME B16.11
- Screwed ends (NPT) to ASME B1.20.1.
- Flanges (RF/RTJ) according to ASME B16.5.
- Integral flange or welded flange
- BW ends to ASME B16.25
- Cryogenic forged steel gate valve (optional)
- Low emission design, conform to ISO15848-1 Class B (optional)
- Y-Pattern globe valve

GLOBE VALVE

800LB 900LB 1500LB
SW/NPT END



Bolted Bonnet



Welded Bonnet

Material List

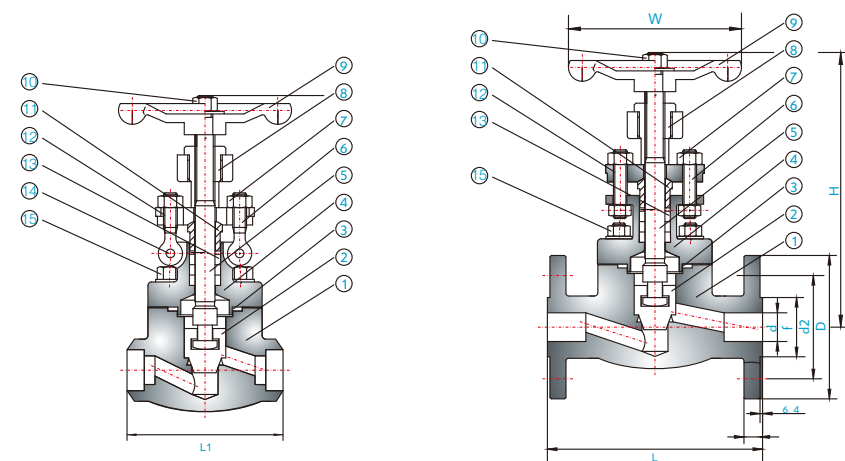
No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
3	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Gasket	SPW.SS304+GT	SPW.SS304+GT	SPW.SS304+GT	SPW.SS304+GT
5	Bonnet	A105N	A182 F304	A182 F304(L)	A182 F316(L)
6	Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
7	Pin	A276 410	A276 304	A276 304	A276 316
8	Gland	A276 410	A276 304	A276 304	A276 316
9	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
10	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
11	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
12	Yoke Nut	A276 410	A276 410	A276 410	A276 410
13	H.W.Lock Nut	A194 2H	A194 4	A194 8	A194 8M
14	Nameplate	SS304	SS304	SS304	SS304
15	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
16	Stem Packing	Flexible Graphite	Flexible Graphite	Flexible Graphite	Flexible Graphite

Dimension and Weight

NPS			Conv.		3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	/
			Full		/	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
800LB	L		mm	76	76	92	106	120	148	172	220	
	H(CLOSE)		mm	165	165	170	185	220	220	280	320	
	W		mm	100	100	100	125	160	160	180	200	
	Weight	Bolted	kg	1.9	1.9	2.1	3.5	6.0	7.5	11.4	14.6	
		Welded	kg	1.7	1.7	2.1	3.5	6.0	7.5	11.4	14.6	
900LB	L		mm	111	111	111	120	152	172	220		
	H(CLOSE)		mm	185	185	185	220	220	270	280		
	W		mm	125	125	125	160	160	180	200		
	Weight	Bolted	kg	2.2	3.7	3.6	6.8	7.6	11.6	15.0		
		Welded	kg	2.0	3.4	3.3	6.0	5.6	10.3	14.2		
1500LB	L		mm	111	111	111	120	152	172	220		
	H(OPEN)		mm	171	2.7	207	240	258	330	355		
	W		mm	125	125	125	160	160	180	200		
	Weight	Bolted	kg	2.2	3.7	3.6	6.8	7.6	11.6	15.0		
		Welded	kg	2.0	3.4	3.3	6.0	5.6	10.3	14.2		

GLOBE VALVE

150LB ~ 1500LB
RF/RTJ/BW END



Bolted Bonnet

Bolted Bonnet

Material List

No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Gasket	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS316+Graphite
3	Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
4	Pin	A276 410	A276 304	A276 304	A276 316
5	Gland	A276 410	A276 304	A276 304	A276 316
6	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
7	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
8	Yoke Nut	A276 410	A276 410	A276 410	A276 410
9	H.W. Nut	A194 2H	A194 4	A194 8	A194 8M
10	Nameplate	SS304	SS304	SS304	SS304
11	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
12	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
13	Stem Packing	Flexible Graphite	Flexible Graphite	PTFE	PTFE
14	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
15	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
16	Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)

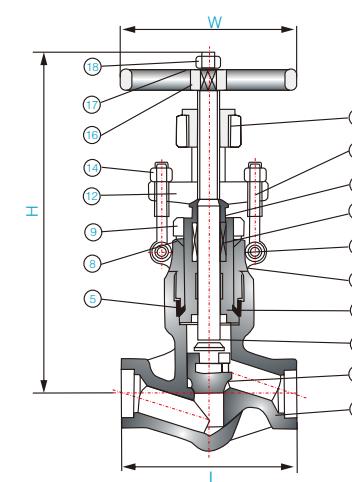
Dimension and Weight

NPS			1/2	3/4	1	1 1/4	1 1/2	2
150LB	L(RF)	mm	108	117	127	140	165	203
	L1(BW)	mm	108	117	127	140	165	203
	H(OPEN)	mm	166	171	207	240	258	330
	W	mm	100	100	125	160	160	180
	Weight							
300LB	L(RF)	mm	152	178	203	216	229	267
	L1(BW)	mm	152	178	203	216	229	267
	H(OPEN)	mm	166	171	207	240	258	330
	W	mm	100	100	125	160	160	180
	Weight							
600LB	L(RF)	mm	165	190	216	229	241	292
	L1(BW)	mm	165	190	216	229	241	292
	H(OPEN)	mm	171	207	240	258	330	380
	W	mm	100	100	125	160	160	180
	Weight							

NPS			1/2	3/4	1	1 1/4	1 1/2	2
900LB	L(RTJ)	mm	216	229	254	279	305	371
	L1(BW)	mm	216	229	254	279	305	368
	H(OPEN)	mm	207	207	240	258	330	355
	W	mm	125	125	160	160	180	200
	Weight							
1500LB	L(RTJ)	mm	216	229	254	279	305	371
	L1(BW)	mm	216	229	254	279	305	368
	H(OPEN)	mm	207	207	240	258	330	355
	W	mm	125	125	160	160	180	200
	Weight							

PRESSURE SEAL GLOBE VALVE

900LB~2500LB
SW/NPT END



Pressure Seal Bonnet

Material List

No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Disc	A182 F6a	A182 F304	A182 F304(L)	A182 316(L)
3	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Pressure Seat	A105N	A182 F304	A182 F304(L)	A182 F316(L)
5	Pressure Ring	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
6	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
7	Pin	A276 410	A276 304	A276 304	A276 316
8	P.S. Washer	A105N	A182 F22	A182 F304(L)	A182 F316(L)
9	P.S. Lock Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)
10	Stem Packing	Flexible Graphite	Flexible Graphite	Flexible Graphite	Flexible Graphite
11	Gland	A276 410	A276 304	A276 304	A276 316
12	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
13	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
14	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
15	Yoke Nut	A276 410	A276 410	A276 410	A276 410
16	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
17	Nameplate	SS304	SS304	SS304	SS304
18	Gland Nut	A194 2H	A194 4	A194 8	A194 8M

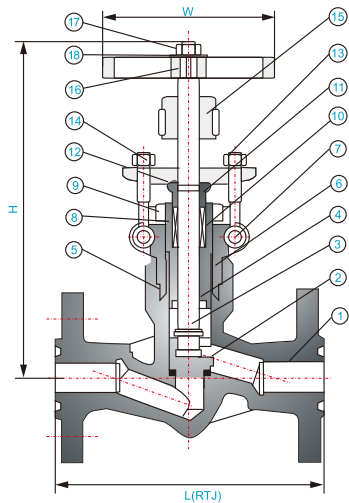
Dimension and Weight

NPS			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
900LB	L	mm	120	120	140	178	178	216
	H(Close)	mm	300	300	380	415	415	435
	W	mm	160	160	180	200	250	280
	Weight	kg	11.2	10.5	10.1	21.0	19.6	40.4
1500LB	L	mm	120	120	140	178	178	216
	H(Close)	mm	300	300	380	415	415	435
	W	mm	160	160	180	200	250	280
	Weight	kg	11.2	10.5	10.1	21.0	19.6	40.4
2500LB	L	mm	140	140	186	232	232	279
	H(Close)	mm	385	385	415	415	435	480
	W	mm	160	180	200	250	250	300
	Weight	kg	12.3	11.6	10.8	28.0	26.4	43.8



PRESSURE SEAL
GLOBE VALVE

900LB~2500LB
RTJ END



Material List

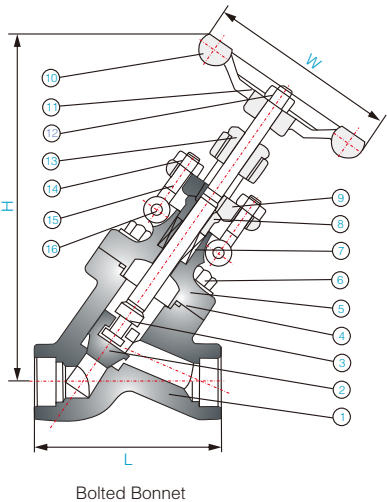
No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
3	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Pressure Seat	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
5	Pressure Ring	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
6	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
7	Pin	A276 410	A276 304	A276 304	A276 316
7	P.S. Washer	A105N	A182 F22	A182 F304(L)	A182 F316(L)
10	P.S.Lock Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)
9	Stem Packing	Flexible Graphite	Flexible Graphite	Flexible Graphite	Flexible Graphite
11	Gland	A276 410	A276 304	A276 304	A276 316
12	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
8	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
7	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
14	Yoke Nut	A276 410	A276 410	A276 410	A276 410
16	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
11	Nameplate	SS304	SS304	SS304	SS304
12	H.W. Nut	A194 2H	A194 4	A194 8	A194 8M

Dimension and Weight

NPS			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
900LB	L	mm	216	229	254	279	305	371
	H(OPEN)	mm	318	318	318	398	408	524
	W	mm	160	160	180	200	250	280
	Weight	kg	15.5	16.9	18.9	28.9	34.3	52.8
1500LB	L	mm	216	229	254	279	305	371
	H(OPEN)	mm	318	318	318	398	408	524
	W	mm	160	160	180	200	250	280
	Weight	kg	15.5	16.9	18.9	28.9	34.3	52.8
2500LB	L	mm	264	273	308	349	384	454
	H(OPEN)	mm	333	333	333	410	420	524
	W	mm	160	160	180	200	250	280
	Weight	kg	18.0	20.5	23.0	36.1	45.0	81.5

Y GLOBE VALVE

800LB
SW/NPT END



Material List

No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
3	Stem	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Gasket	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS316+Graphite
5	Bonnet	A105N	A182 F304	A182 F304(L)	A182 F316(L)
6	Bonnet Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
7	Stem Packing	Flexible Graphite	Flexible Graphite	PTFE	PTFE
8	Gland	A276 410	A276 304	A276 304	A276 316
9	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
10	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
11	Nameplate	SS304	SS304	SS304	SS304
12	H.W. Nut	A194 2H	A194 4	A194 8	A194 8M
13	Yoke Nut	A276 410	A276 410	A276 410	A276 410
14	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
15	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
16	Pin	A276 410	A276 304	A276 304	A276 316

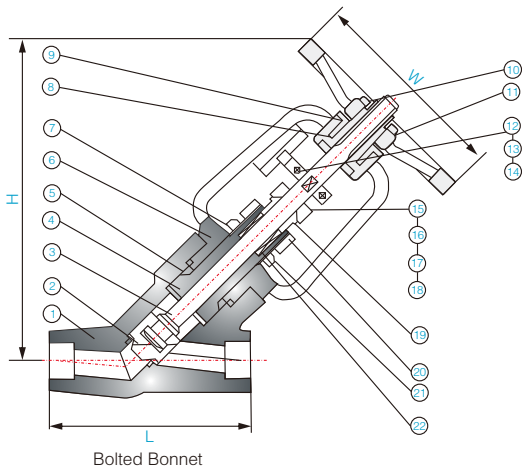
Dimension and Weight

NPS			1/2	3/4	1	1 1/4	1 1/2	2
800LB	L	mm	98	98	120	120	140	170
	H(OPEN)	mm	215	215	245	245	285	320
	W	mm	100	100	190	190	180	200
	Weight	kg	5	6.3	7.6	9.8	13.8	14.0



Y GLOBE VALVE

900LB~2500LB
SW/NPT END



Bolted Bonnet

Material List

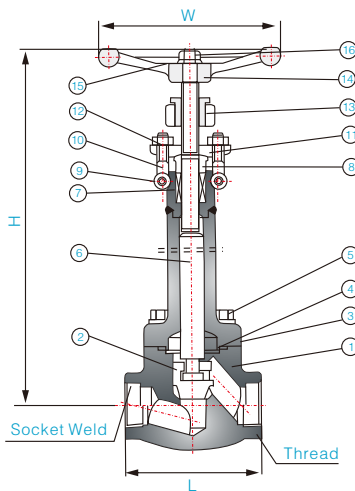
No.	part name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
3	Stem	A182 F6a	A182 F6a	A182 F304(L)	A182 F316(L)
4	Pressure Seat	A105N	A182 F304	A182 F304(L)	A182 F316(L)
5	Pressure Ring	A182 F6a	A182 F6a	A182 F304(L)	A182 F316(L)
6	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
7	P.S. Washer	A105N	A182 F22	A182 F304(L)	A182 F316(L)
8	Yoke Nut	A276 410	A276 410	A276 410	A276 410
9	Retaining Nut	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
10	H.W.Lock Nut	A194 2H	A194 4	A194 8	A194 8M
11	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
12	Wafer Board	A105N	A182 F22	A182 F304(L)	A182 F316(L)
13	Bolt	A193 B7	A193 B16	A193 B8	A193 B8M
14	Nut	N194 2H	A194 4	A194 8	A194 8M
15	Gland Flange	A105N	A182 F22	A182 F304(L)	A182 F316(L)
16	Gland Eyebolt	A193 B7	A193 B16	A193 B8	A193 B8M
17	Gland Nut	A194 2H	A194 4	A194 8	A194 8M
18	Pin	A276 410	A276 304	A276 304	A276 316
19	Gland	A276 410	A276 304	A276 304	A276 316
20	Bearing Ear	A105N	A182 F22	A182 F304(L)	A182 F316(L)
21	P.S. Lock Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)
22	Stem Packing	Flexible Graphite	Flexible Graphite	PTFE	PTFE

Dimension and Weight

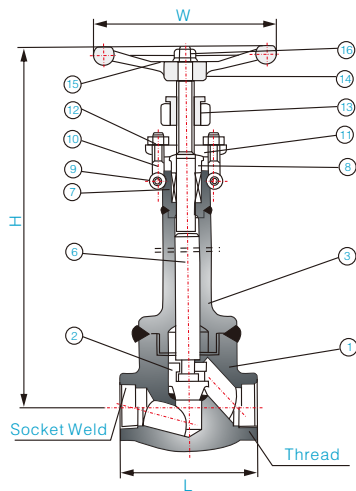
NPS			1/2	3/4	1	1 1/4	1 1/2	2
900LB	L	mm	120	120	120	140	170	216
	H(OPEN)	mm	333	333	333	406	406	524
	W	mm	125	125	160	160	180	200
	Weight	kg	11.2	10.5	10.1	21.0	19.6	40.4
1500LB	L	mm	120	120	120	140	170	216
	H(OPEN)	mm	333	333	333	406	406	524
	W	mm	125	125	160	160	180	200
	Weight	kg	11.2	10.5	10.1	21.0	19.6	40.4
2500LB	L	mm	186	186	186	232	232	279
	H(OPEN)	mm	333	333	333	406	406	524
	W	mm	125	125	160	160	180	200
	Weight	kg	12.3	11.6	10.8	28.0	26.4	43.8

LOW TEMPERATURE/ GRYOGENIC GLOBE VALVE

800LB
SW/NPT END



Bolted Bonnet



Welded Bonnet

材料列表

No.	part name	Low Temperature Cast Steel		Stainless Steel	
1	Body	A350 LF2+STL.6	A350 LF3+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Disc	A182 F6a	A182 F6a	A182 F304(L)+STL	A182 F316(L)+STL
3	Bonnet	A350 LF2	A350 LF3	A182 F304(L)	A182 F316(L)
4	Gasket	SPW.SS304+Graphite	SPW.SS304+Graphite	SPW.SS304(L)+Graphite	SPW.SS316(L)+Graphite
5	Bolt	A320 L7	A320 L7	A193 B8	A193 B8M
6	Stem	A182 F6a	A182 F6a	A182 F304(L)	A182 F316(L)
7	Stem Packing	316 Flexible Graphite	316 Flexible Graphite	PTFE	PTFE
8	Gland	A276 410	A276 410	A276 304	A276 316
9	Pin	A276 410	A276 410	A276 304	A276 316
10	Gland Eyebolt	A320 L7	A320 L7	A193 B8	A193 B8M
11	Gland Flange	A350 LF2	A350 LF3	A182 F304(L)	A182 F316(L)
12	Gland Nut	A194 4	A194 4	A194 8	A194 8M
13	Yoke Nut	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2	ASTM A439 D-2
14	Handwheel	Ductile Iron	Ductile Iron	Ductile Iron	Ductile Iron
15	Nameplate	SS304	SS304	SS304	SS304
16	H.W.Lock Nut	A194 2H	A194 2H	A194 8	A194 8M

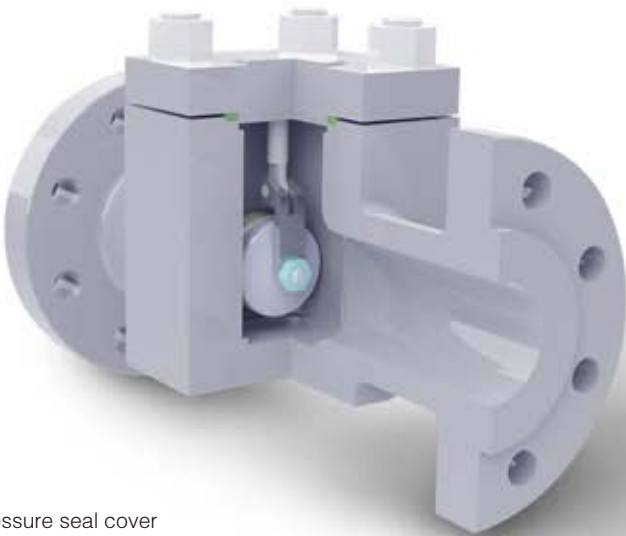
Dimension and Weight

NPS		Conv.	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	/
		Full	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
800LB	L	mm	76	76	92	106	120	148	172
	H(OPEN)	mm	165	165	170	185	220	220	280
	W	mm	125	125	125	160	160	180	200
	Weight	Bolted	kg	5.2	7.2	10.9	13.5	15.2	19.8
		Welded	kg	4.8	6.5	9.5	11.5	13.1	17.5

YDF forged steel check valve are manufactured in accordance with API602, ISO15761 and ASME B16.34 and tested to API598. And forged steel check valve are available in three bonnet designs: bolted bonnet, welded bonnet and pressure seal bonnet.

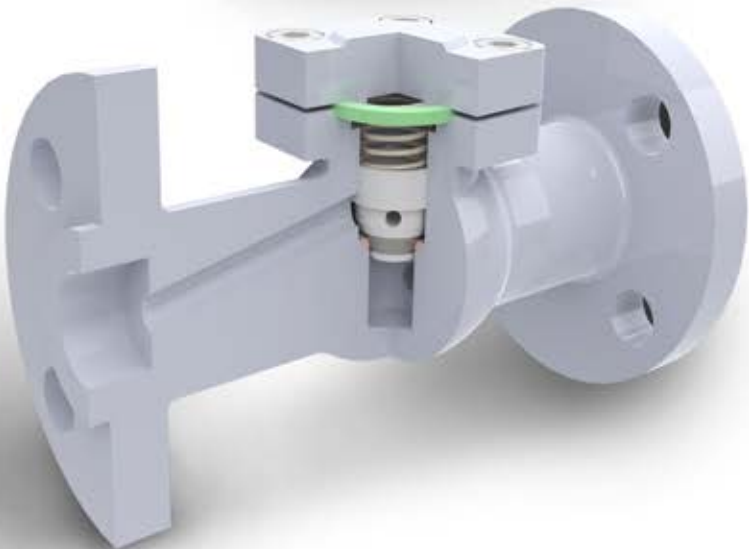
FORGED STEEL

CHECK VALVES



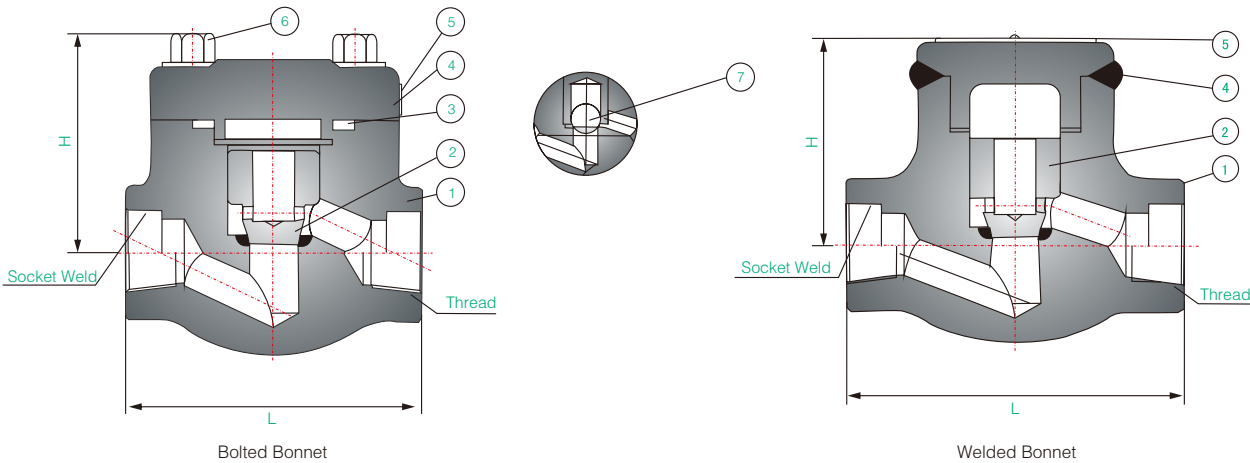
Design Feature:

- Full port or Reduced port
- Bolted cover/Welded cover/Pressure seal cover
- Socket welded (SW) ends to ASME B16.11
- Screwed ends (NPT) to ASME B1.20.1
- Flanges (RF/RTJ) according to ASME B16.5
- Integral flange or welded flange
- BW ends to ASME B16.25
- Cryogenic forged steel check valve (optional)
- The spherical piston check valve (optional)
- Y–Pattern piston check valve



PISTON CHECK VALVE

800LB 900LB 1500LB
SW/NPT END



Material List

No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6/cr13	A182 F22	A182 F304(L)	A182 F316(L)
2	Piston Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
3	Gasket	SPW SS304+Graphite	SPW SS304+Graphite	SPW SS304(L)+Graphite	SPW SS316(L)+Graphite
4	Bonnet	A105N	A182 F22	A182 F304(L)	A276 F316(L)
5	Nameplate	SS304	SS304	SS304	SS304
6	Bolt	A193 B7	F193 B16	A193 B8(M)	A193 B8(M)
7	Ball	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)

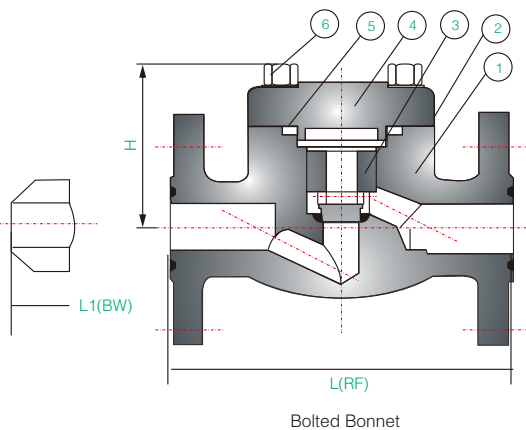
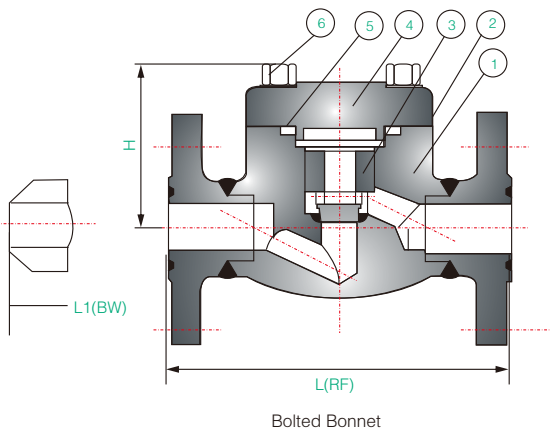
Dimension and Weight

NPS		Conv.	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	
		Full	/	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	
800LB	L		mm	76	76	92	106	120	148	172	220
	H		mm	50	50	60	70	80	85	100	120
	Weight	Bolted	kg	1.4	1.2	1.5	3.1	3.9	5.6	8.9	12.5
		Welded	kg	1.1	1.0	1.2	2.9	3.3	4.9	8.1	10.9
900LB	L		mm	111	111	111	120	152	172	220	
	H		mm	75	75	75	100	110	120	140	
	Weight	Bolted	kg	1.6	3.4	3.3	5.5	6.0	9.2	12.9	
		Welded	kg	1.3	3.2	3.1	4.8	5.4	8.5	11.2	
1500LB	L		mm	111	111	111	120	152	172	220	
	H		mm	75	75	75	100	110	120	140	
	Weight	Bolted	kg	1.6	3.4	3.3	5.5	6.0	9.2	12.9	
		Welded	kg	1.3	3.2	3.1	4.8	5.4	8.5	11.2	



PISTON CHECK VALVE

150LB~1500LB
RF/RTJ /BW END



Material List

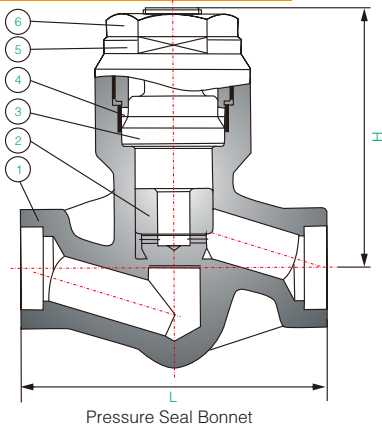
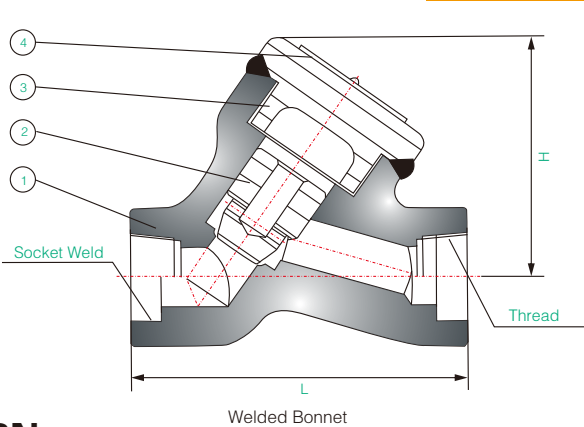
No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Nameplate	SS304	SS304	SS304	SS304
3	Piston Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
5	Gasket	SPW. SS304+Graphite	SPW. SS304+Graphite	SPW. SS304(L)+Graphite	SPW. SS316(L)+Graphite
6	Bolt	A193 B7	A193 B16	A193 B8	A193 B8M

Dimension and Weights

NPS				1/2	3/4	1	1 1/4	1 1/2	2
150LB	L	RF	mm	108	117	127	140	165	203
	L1	BW	mm	108	117	127	140	165	203
	H		mm	61	61	79	95	103	118
	Weight	RF	kg	2.56	3.37	4.37	8.17	8.94	12.64
		BW	kg	1.70	1.90	2.10	5.12	5.50	7.89
300LB	L	RF	mm	152	178	203	216	229	267
	L1	BW	mm	152	178	216	229	241	267
	H		mm	61	61	79	95	103	118
	Weight	RF	kg	2.73	3.65	4.74	8.77	9.60	13.70
		BW	kg	1.90	2.10	3.00	5.12	6.60	7.85
600LB	L	RF	mm	165	190	216	229	241	292
	L1	BW	mm	165	190	216	229	241	292
	H		mm	61	61	79	95	103	118
	Weight	RF	kg	3.00	4.00	5.83	9.47	10.10	15.60
		BW	kg	2.00	3.12	4.25	7.25	8.56	13.60
900LB	L	RTJ	mm	216	229	254	279	305	371
	L1	BW	mm	216	229	254	279	305	368
	H		mm	79	79	95	104	120	139
	Weight	RTJ	kg	8.5	10.5	15.7	20.8	27.2	33.0
		BW	kg	6.4	8.0	13.2	17.8	24.2	29.7
1500LB	L	RTJ	mm	216	229	254	279	305	371
	L1	BW	mm	216	229	254	279	305	368
	H		mm	79	79	95	104	120	139
	Weight	RTJ	kg	8.5	10.5	15.7	20.8	27.2	33.0
		BW	kg	6.4	8.0	13.2	17.8	24.2	29.7

PISTON CHECK VALVE

800LB 900LB 1500LB 2500LB
SW/NPT END



Y PATTERN

Material List

No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Piston Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
3	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
4	Nameplate	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel

Dimension and Weight

NPS			Conv.	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
			Full	/	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"
800LB	L	mm		98	98	98	120	120	140	170
	H	mm		85	85	95	105	115	120	135
	Weight	kg		3.1	3.0	3.7	6.5	8.5	8.0	10.9

PRESSURE SEAL

Material List

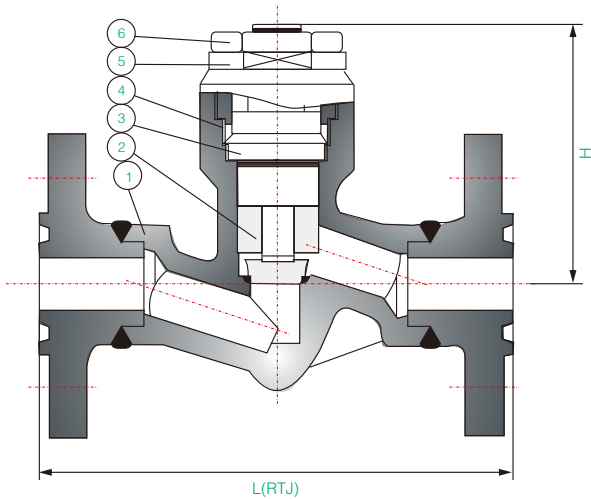
No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Piston Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
3	Sealing Seat	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Pressure Ring	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
5	Retainion Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)
6	P.S.Lock Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)

Dimension and Weight

NPS			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
900LB	L	mm	120	120	140	178	178	216
	H	mm	135	135	150	170	170	190
	Weight	kg	7.5	7.0	6.8	18.5	18.1	20.3
1500LB	L	mm	120	120	140	178	178	216
	H	mm	135	135	150	170	170	190
	Weight	kg	7.5	7.0	6.8	18.5	18.1	20.3
2500LB	L	mm	140	140	186	232	232	279
	H	mm	150	150	170	180	190	215
	Weight	kg	9.0	7.6	8.4	19.5	20.1	21.8

PRESSURE SEAL PISTON CHECK VALVE

900LB~2500LB
RF/RTJ END



Pressure Seal Bonnet

Material List

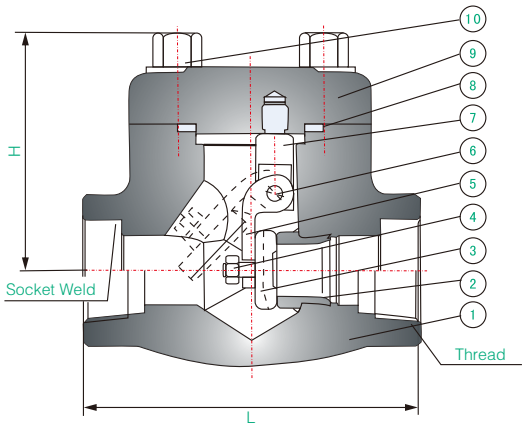
No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N+STL.6	A182 F22+STL.6	A182 F304(L)+STL.6	A182 F316(L)+STL.6
2	Piston Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316
3	Pressure Seat	A182 F6a	A182 F304	A182 F304(L)	A182 F316
4	Pressure Ring	A182 F6a	A182 F304	A182 F304(L)	A182 F316
5	Retaining Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)
6	P.S.Lock Nut	A105N	A182 F22	A182 F304(L)	A182 F316(L)

Dimension and Weight

NPS				1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
900LB	L	RTJ	mm	216	229	254	279	305	371
	H		mm	117	117	117	152	152	195
	Weight		kg	10.5	11.9	13.9	19.9	26.9	32.5
1500LB	L	RTJ	mm	216	229	254	279	305	371
	H		mm	117	117	117	152	152	195
	Weight		kg	10.5	11.9	13.9	19.9	26.9	32.5
2500LB	L	RTJ	mm	264	273	308	349	384	454
	H		mm	117	117	117	152	152	195
	Weight		kg	12.6	14.9	16.5	24.8	30.0	35.0

SWING CHECK VALVE

800LB 900LB 1500LB
SW/NPT END



Bolted Bonnet

Material List

No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
2	Seat	A182 F6a+STL.6	A182 F304	A182 F304(L)	A182 F316(L)
3	Swing Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Nut	A194 2H	A194 4	A194 8	A194 8M
5	Hinge	A182 F6a	A182 F304	A182 F304 L	A182 F306(L)
6	Pin	A276 410	A276 304	A276 304	A276 316
7	Ponlevis	A182 F6a	A182 F304	A182 F304L	A182 F316(L)
8	Gasket	SPW. SS304+Graphite	SPW. SS304+Graphite	SPW. SS304(L)+Graphite	SPW. SS316(L)+Graphite
9	Bonnet	A105N	A182 F22	A182 F304(L)	A182 F316(L)
10	Bolt	A193 B7	A193 B16	A193 B8M	A193 B8M

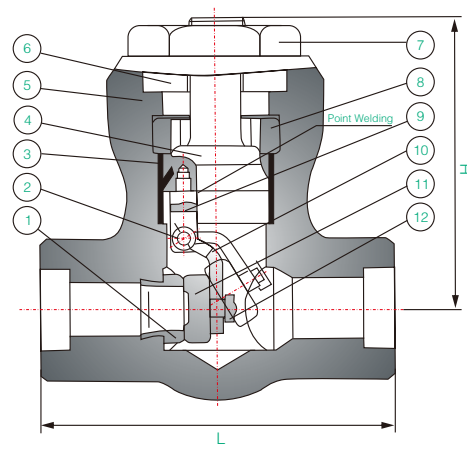
Dimension and Weight

NPS			3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
800LB	L	mm	79	79	92	106	120	114	144
	H	mm	60	60	65	75	90	95	115
	Weight	kg	1.1	1.0	1.9	3.9	4.5	6.7	9.6
900LB	L	mm	111	111	111	120	120	140	170
	H	mm	75	75	80	90	110	120	135
	Weight	kg	3.1	3.0	3.6	4.3	6.1	8.8	12.6
1500LB	L	mm	111	111	111	120	120	140	170
	H	mm	75	75	80	90	110	120	135
	Weight	kg	3.1	3.0	3.6	4.3	6.1	8.8	12.6



PRESSURE SEAL SWING CHECK VALVE

900LB~2500LB
SW/NPT END



Pressure Seal Bonnet

Material List

No.	Part Name	Cast Steel	Alloy Steel	Stainless Steel	
1	Seat	A182 F6a+STL6	A182 F304	A276 304(L)	A276 316(L)
2	Pin	A276 410	A276 304	A276 304	A276 316
3	Pressure Ring	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
4	Pressure Seat	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
5	Body	A105N	A182 F22	A182 F304(L)	A182 F316(L)
6	Bonnet	A105N	A182 F22	A182 F304	A182 F316(L)
7	Bolt	A105N	A182 F22	A182 F304(L)	A182 F316(L)
8	Quarter Ring	A182 F6a	A182 F304	A182 F304	A182 F316
9	Ponlevis	A182 F6a	A182 F304	A182 F304L	A182 F316(L)
10	Hinge	A182 F6a	A182 F304	A182 F304 L	A182 F306(L)
11	Piston Disc	A182 F6a	A182 F304	A182 F304(L)	A182 F316(L)
12	Nut	A194 2H	A194 4	A194 8	A194 8M

Dimension and Weight

NPS			1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
900LB	L	mm	120	120	140	178	178	216
	H	mm	135	135	150	170	170	190
	Weight	kg	8.0	7.8	7.7	19.8	19.2	21.3
1500LB	L	mm	120	120	140	178	178	216
	H	mm	135	135	150	170	170	190
	Weight	kg	8.0	7.8	7.7	19.8	19.2	21.3
2500LB	L	mm	140	140	186	232	232	279
	H	mm	150	150	170	180	190	215
	Weight	kg	10.0	9.6	9.4	21.5	21.1	22.8



Your Partner of Flow Control System

Product Warranty

Seller will replace without charge or refund the purchase price of products provided by seller which prove to be defective in material or workmanship, provided in each case that the product is proper installed and is used in the service for which Seller recommends it and that written claim, specifying the alleged defect, is presented to the seller within 18 months from the date of shipment or 12 months after installation, whichever occurs first. Seller shall in no event bear any labor, equipment, engineering or other costs incurred in connection with repair or replacement.

The warranty stated in this paragraph is in lieu of all other warranties, either expressed or implied. With respect to warranties, this paragraph states Buyer's exclusive remedy and seller's exclusive liability.