

1. NPT End dimensions to ASME B1.20.1
2. Manufacture in accordance with API 602
3. Valves tested to API 598

NPS	Dimensions(Inch)				Product SKU
	L	D	NPT	H	
1/2	3.11	1.34	1/2	2.36	CK80SD.5
3/4	3.62	1.57	3/4	2.36	CK80SD.75
1	4.37	1.97	1	2.91	CK80SD1
1 1/2	5.98	2.52	1 1/2	3.78	CK80SD1.5
2	6.77	3.07	2	4.53	CK80SD2

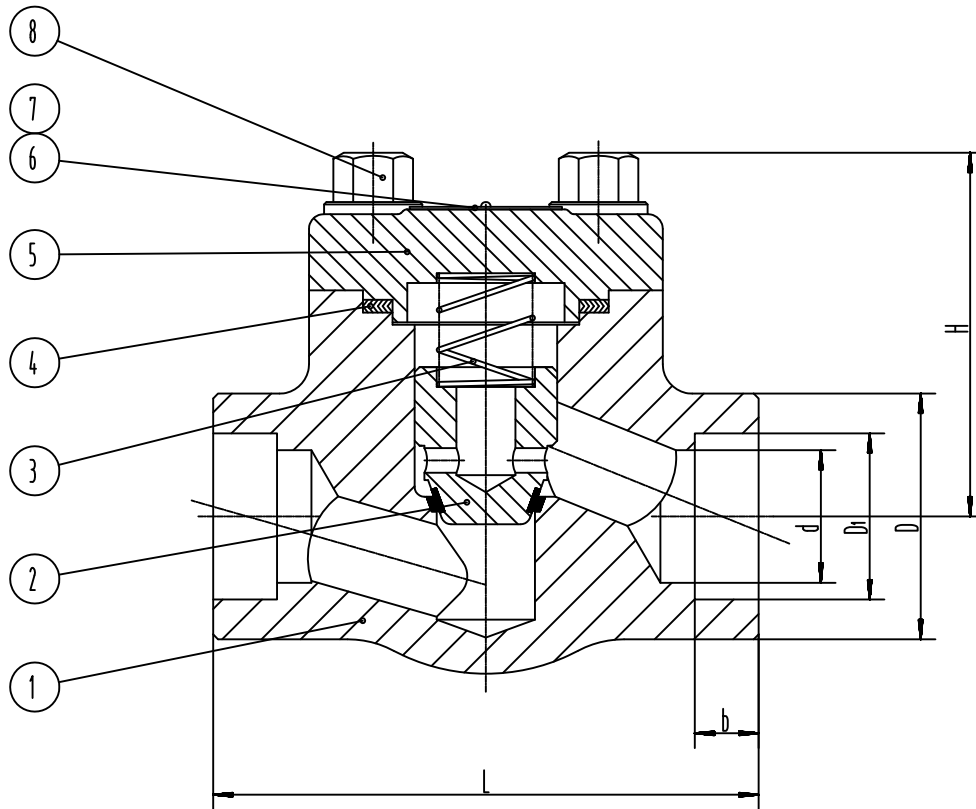
1	Body	ASTM A182 F316L+STL6	1
2	Disc	ASTM A276 316+STL6	1
3	Spring	SS316	1
4	Spiral Wound Gasket	SS316+Graphite	1
5	Bonnet	ASTM A182 F316L	1
6	Nameplate	SS304	1
7	Rivet	SS304	1
8	Body bolt	ASTM A193 B8M	4
S/N	Name	Materials	Qty

Revisions			
A			
B			
C			
D			
E			
Drawn By	HGP	Date	2016-7-28
Checked By	ZBF	Date	2016-7-28
Approved By	CXH	Date	2016-7-28
Certified By	QXL	Date	2016-7-28



Desc: General Arrangement Drawing
CK80SD Piston Check Valve

Scale:	DWG No.:	Rev.: 0
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1. SW End dimensions to ASME B16.11
2. Manufacture in accordance with API 602
3. Valves tested to API 598

NPS	Dimensions(Inch)						Product SKU
	L	D	D ₁	d	b	H	
1/2	3.11	1.34	0.86	0.63	0.39	2.36	CK80WD.5
3/4	3.62	1.57	1.07	0.83	0.51	2.36	CK80WD.75
1	4.37	1.97	1.33	1.06	0.51	2.91	CK80WD1
1 1/2	5.98	2.52	1.92	1.61	0.51	3.78	CK80WD1.5
2	6.77	3.07	2.41	2.05	0.63	4.53	CK80WD2

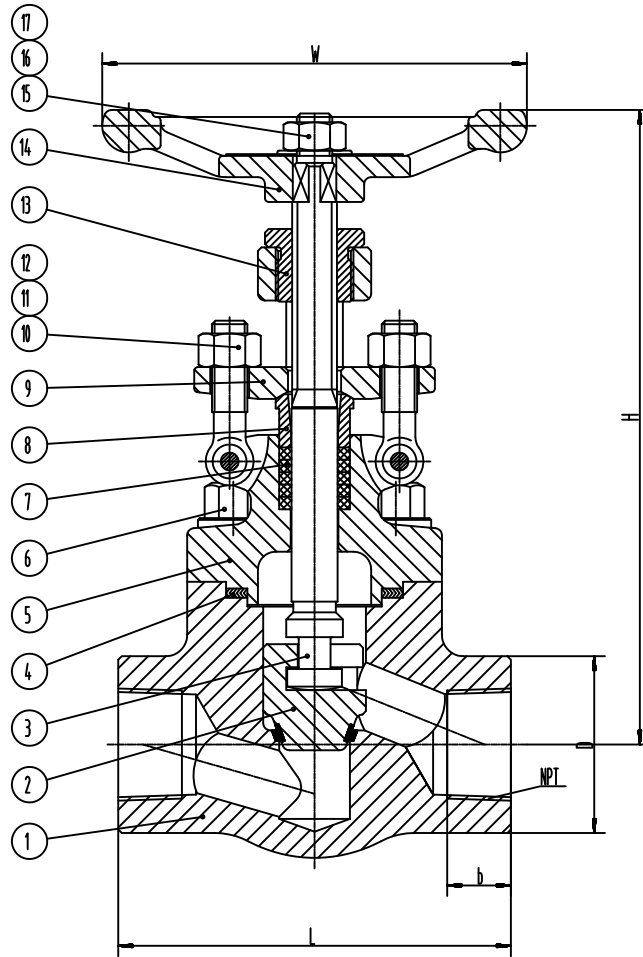
1	Body	ASTM A182 F316L+STL6	1
2	Disc	ASTM A276 316+STL6	1
3	Spring	SS316	1
4	Spiral Wound Gasket	SS316+Graphite	1
5	Bonnet	ASTM A182 F316L	1
6	Nameplate	SS304	1
7	Rivet	SS304	1
8	Body bolt	ASTM A193 B8M	4
S/N	Name	Materials	Qty

Revisions			
A			
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D			
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Drawn By	HGP	Date	2016-7-28
Checked By	ZBF	Date	2016-7-28
Approved By	CXH	Date	2016-7-28
Certified By	QXL	Date	2016-7-28



Desc:
General Arrangement Drawing
CK80WD Piston Check Valve


Scale:	DWG No.:	Rev.:
		0

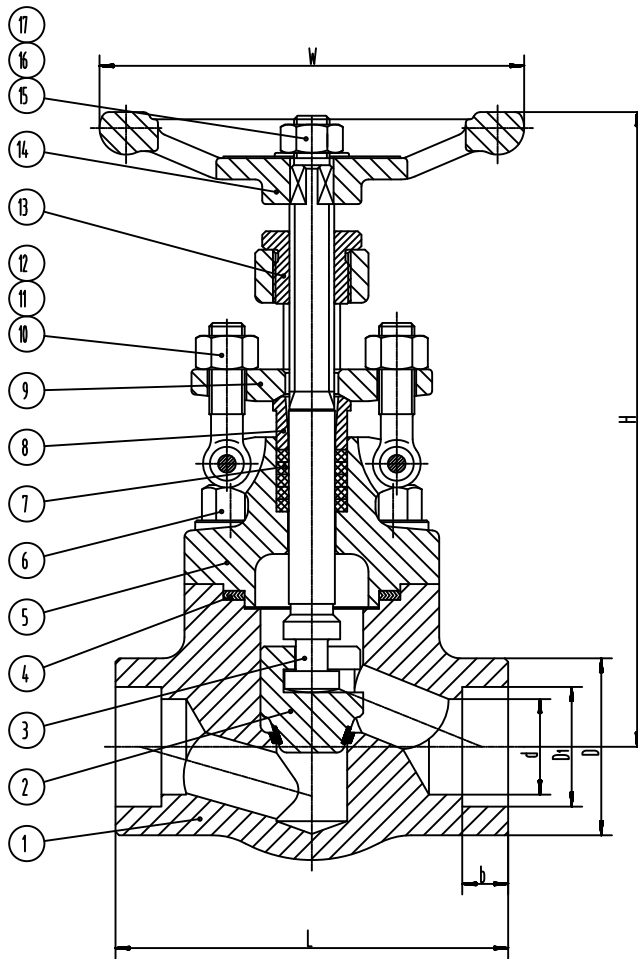


1. NPT End dimensions to ASME B1.20.1
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NPS	Dimensions(Inch)						Product SKU
	L	D	NPT	b	W	H	
1/2	3.11	1.34	1/2	0.52	3.94	5.94	GL80SD.5
3/4	3.62	1.57	3/4	0.59	3.94	5.94	GL80SD.75
1	4.37	1.97	1	0.71	4.72	7.09	GL80SD1
1 1/2	5.98	2.52	1 1/2	0.75	6.3	8.98	GL80SD1.5
2	6.77	3.07	2	0.79	7.09	10.47	GL80SD2

1	Body	ASTM A182 F316L+STL	1
2	Disc	ASTM A276 316L+STL	1
3	Stem	ASTM A276 316L	1
4	Spiral Wound Gasket	SS316L+Graphite	1
5	Bonnet	ASTM A182 F316L	1
6	Body bolt	ASTM A193 B8M	4
7	Packing	Graphite	5
8	Gland	ASTM A276 316L	1
9	Gland flange	ASTM A182 F316L	1
10	Pin	SS316L	2
11	Gland eyebolt	ASTM A193 B8M	2
12	Eyebolt nut	ASTM A194 8M	2
13	Stem nut	ASTM A276 410	1
14	Hand wheel	ASTM A47 32510	1
15	Nameplate	ss304	1
16	Gasket	ASTM 1020	1
17	Hand wheel nut	ASTM 1020	1
S/N	Name	Material	Qty

Revisions				 Desc: General Arrangement Drawing GL80SD Globe Valve					
A							Scale: DWG No.: Rev.: 0		
B									
C									
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Drawn By	HGP	Date	2016-7-28						
Checked By	ZBF	Date	2016-7-28						
Approved By	CXL	Date	2016-7-28						
Certified By	QXL	Date	2016-7-28						



1. SW End dimensions to ASME B16.11
2. Manufacture in accordance with API 602
3. Valves tested to API 598

1	Body	ASTM A182 F316L+STL	1
2	Disc	ASTM A276 316L+STL	1
3	Stem	ASTM A276 316L	1
4	Spiral Wound Gasket	SS316L+Graphite	1
5	Bonnet	ASTM A182 F316L	1
6	Body bolt	ASTM A193 B8M	4
7	Packing	Graphite	5
8	Gland	ASTM A276 316L	1
9	Gland flange	ASTM A182 F316L	1
10	Pin	SS316L	2
11	Gland eyebolt	ASTM A193 B8M	2
12	Eyebolt nut	ASTM A194 8M	2
13	Stem nut	ASTM A276 410	1
14	Hand wheel	ASTM A47 32510	1
15	Nameplate	ss304	1
16	Gasket	ASTM 1020	1
17	Hand wheel nut	ASTM 1020	1
S/N	Name	Material	Qty

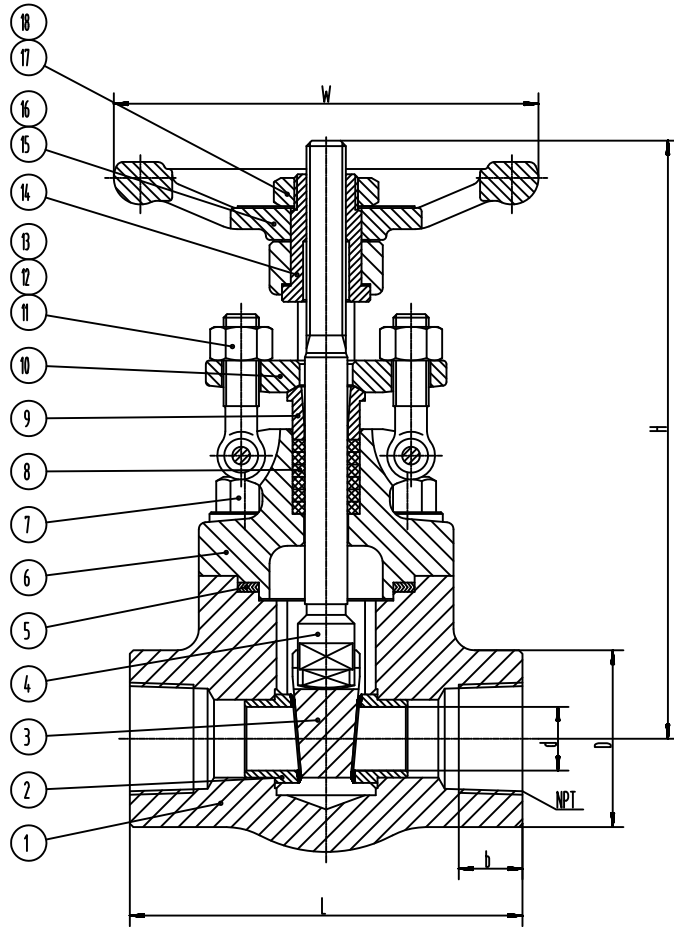
NPS	Dimensions(Inch)							Product SKU
	L	D	D ₁	d	b	W	H	
1/2	3.11	1.34	0.86	0.63	0.39	3.94	5.94	GL80WD.5
3/4	3.62	1.57	1.07	0.83	0.51	3.94	5.94	GL80WD.75
1	4.37	1.97	1.33	1.06	0.51	4.72	7.09	GL80WD1
1 1/2	5.98	2.52	1.92	1.61	0.51	6.3	8.98	GL80WD1.5

Revisions			
A			
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D			
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Checked By	ZBF	Date	2016-7-28
Approved By	CXL	Date	2016-7-28
Certified By	QXL	Date	2016-7-28



Desc:
General Arrangement Drawing
GL80WD Globe Valve


Scale:	DWG No.:	Rev.: 0
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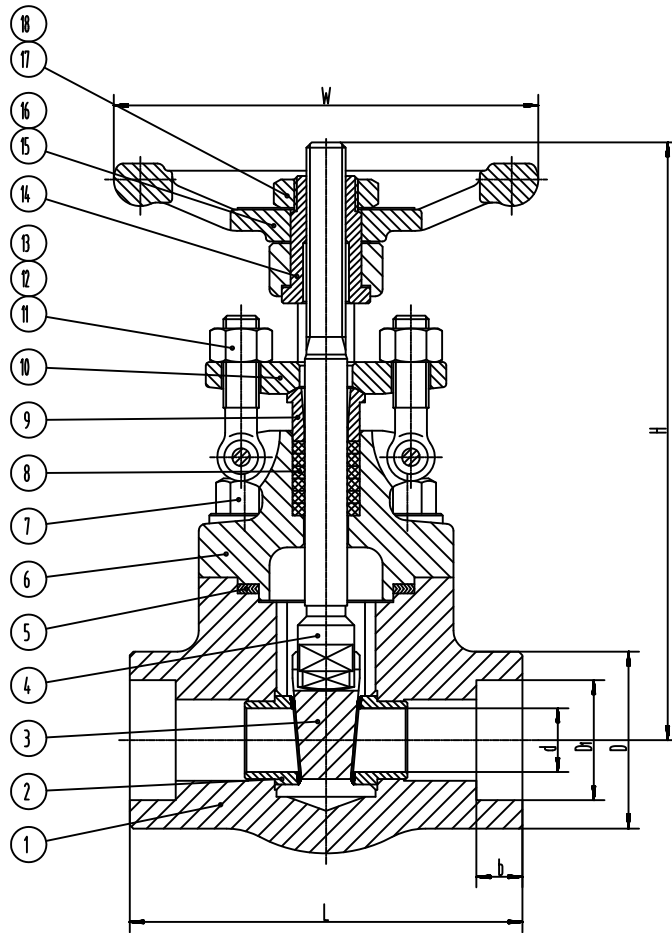


1. NPT End dimensions to ASME B1.20.1
2. Manufacture in accordance with API 602
3. Valves tested to API 598

NPS	Dimensions(Inch)							Product SKU
	L	D	NPT	d	b	W	H	
1/2	3.11	1.34	1/2	0.43	0.52	3.94	5.59	GT80SD.5
3/4	3.62	1.57	3/4	0.51	0.57	3.94	5.59	GT80SD.75
1	4.37	1.97	1	0.71	0.71	4.72	6.65	GT80SD1
1 1/2	4.72	2.52	1 1/2	1.14	0.75	6.3	8.19	GT80SD1.5
2	5.51	3.07	2	1.46	0.79	7.09	9.49	GT80SD2

1	Body	ASTM A182 F316L	1
2	Seat Ring	ASTM A276 316L+STL	2
3	Gate	ASTM A276 316L+STL	1
4	Stem	ASTM A276 316L	1
5	Spiral Wound Gasket	SS316L+Graphite	1
6	Bonnet	ASTM A182 F316L	1
7	Body bolt	ASTM A193 B8M	4
8	Packing	Graphite	5
9	Gland	ASTM A276 316L	1
10	Gland flange	ASTM A182 F316L	1
11	Pin	SS316L	2
12	Gland eyebolt	ASTM A193 B8M	2
13	Eyebolt nut	ASTM A194 8M	2
14	Stem nut	ASTM A276 410	1
15	Hand wheel	ASTM A47 32510	1
16	Lubricating Gasket	ASTM A276 410	1
17	Nameplate	SS304	1
18	Hand wheel nut	ASTM A108 1020	1
S/N	Name	Materials	Qty

Revisions						
A						
B						
C						
D						
E						
Drawn By	HGP	Date	2016-7-28	Desc: General Arrangement Drawing GT80SD Gate Valve		
Checked By	ZBF	Date	2016-7-28			
Approved By	CXL	Date	2016-7-28			
Certified By	QXL	Date	2016-7-28	Scale:	DWG No.:	Rev.: 0



1. SW End dimensions to ASME B16.11
2. Manufacture in accordance with API 602
3. Valves tested to API 598

1	Body	ASTM A182 F316L	1
2	Seat Ring	ASTM A276 316L+STL	2
3	Gate	ASTM A276 316L+STL	1
4	Stem	ASTM A276 316L	1
5	Spiral Wound Gasket	SS316L+Graphite	1
6	Bonnet	ASTM A182 F316L	1
7	Body bolt	ASTM A193 B8M	4
8	Packing	Graphite	5
9	Gland	ASTM A276 316L	1
10	Gland flange	ASTM A182 F316L	1
11	Pin	SS316L	2
12	Gland eyebolt	ASTM A193 B8M	2
13	Eyebolt nut	ASTM A194 8M	2
14	Stem nut	ASTM A276 410	1
15	Hand wheel	ASTM A47 32510	1
16	Lubricating Gasket	ASTM A276 410	1
17	Nameplate	SS304	1
18	Hand wheel nut	ASTM A108 1020	1
S/N	Name	Materials	Qty

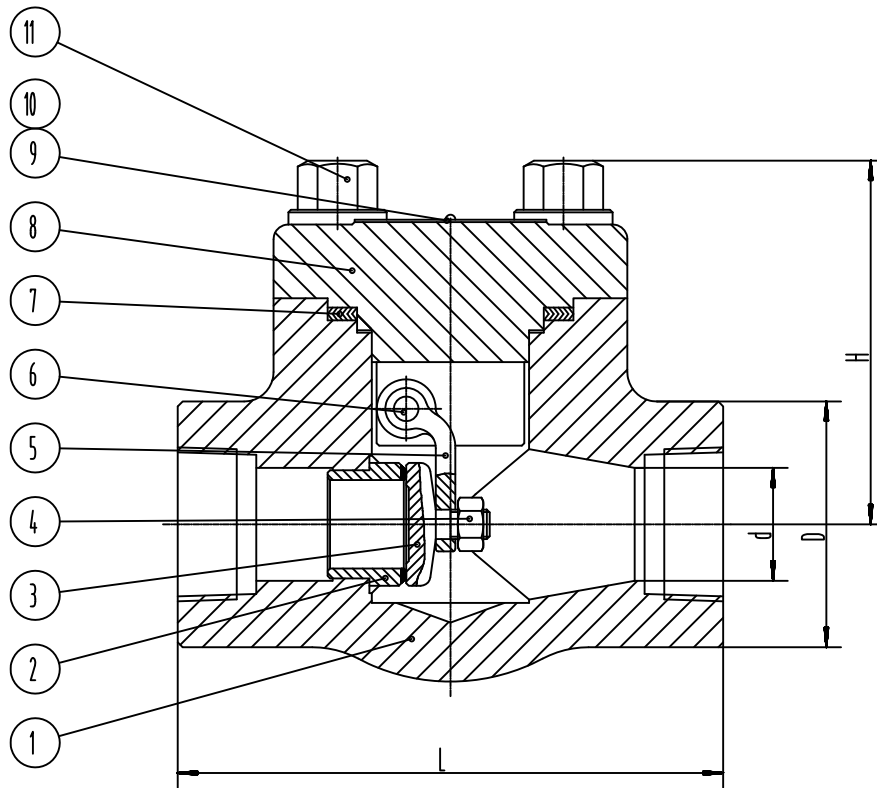
NPS	Dimensions(Inch)							Product SKU
	L	D	D ₁	d	b	W	H	
1/2	3.11	1.34	0.86	0.43	0.39	3.94	5.59	GT80WD.5
3/4	3.62	1.57	1.07	0.51	0.51	3.94	5.59	GT80WD.75
1	4.37	1.97	1.33	0.71	0.51	4.72	6.65	GT80WD1
2	5.51	3.07	2.41	1.46	0.63	7.09	9.49	GT80WD1.5

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Desc: General Arrangement Drawing
GT80WD Gate Valve

Scale:	DWG No.:	Rev.: 0
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1. NPT End dimensions to ASME B1.20.1
2. Manufacture in accordance with API 602
3. Valves tested to API 598

1	Body	ASTM A182 F316L	1
2	Seat Ring	ASTM A276 316L+STL	1
3	Disc	ASTM A276 316L+STL	1
4	Nut	ASTM A194 8M	1
5	Arm	ASTM A351 CF3M	1
6	Pin	ASTM A276 316L	1
7	Spiral Wound Gasket	SS316L+Graphite	1
8	Bonnet	ASTM A182 F316L	1
9	Nameplate	SS304	1
10	Rivet	SS304	1
11	Body bolt	ASTM A193 B8M	4
S/N	Name	Materials	Qty

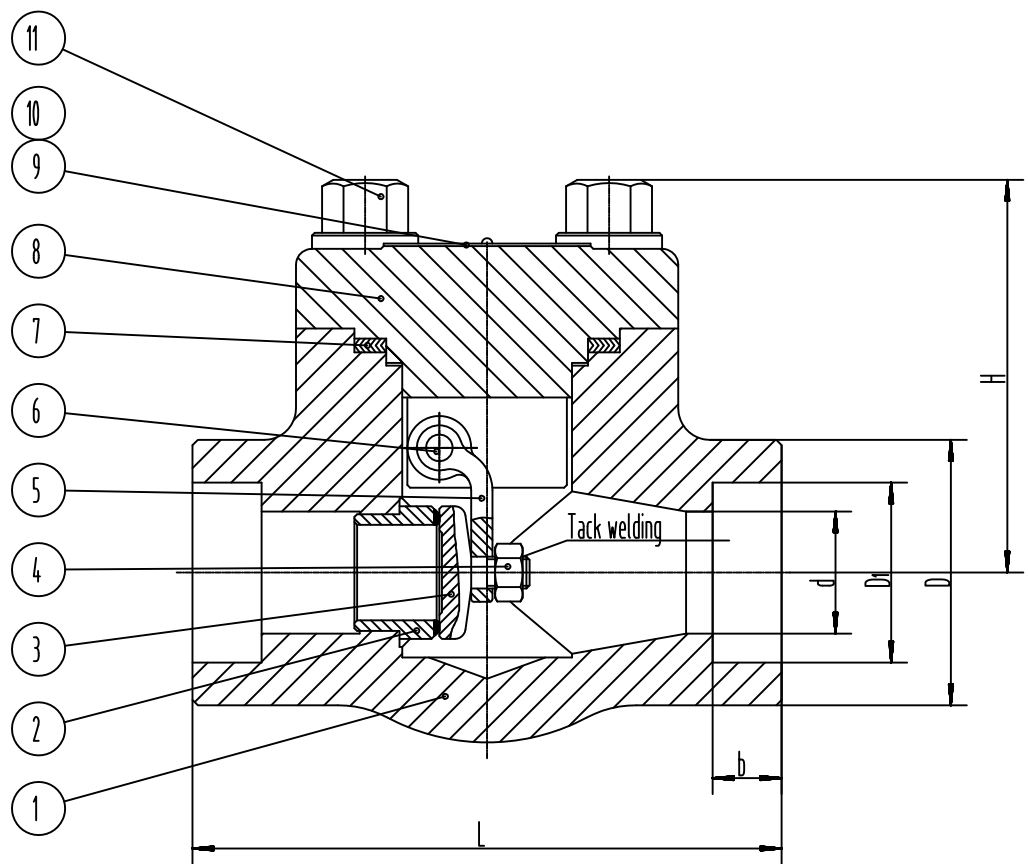
NPS	Dimensions(mm)					Product SKU
	L	D	d	NPT	H	
1/2	3.11	1.34	0.71	1/2	2.13	SC80SD.5
3/4	3.62	1.57	0.71	3/4	2.13	SC80SD.75
1	4.37	1.97	0.91	1	2.91	SC80SD1
1 1/2	4.72	2.52	1.36	1 1/2	3.78	SC80SD1.5
2	5.51	3.07	1.69	2	4.53	SC80SD2

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Drawn By	HGP	Date	2016-7-28
Checked By	ZBF	Date	2016-7-28
Approved By	CXH	Date	2016-7-28
Certified By	QXL	Date	2016-7-28



Desc: General Arrangement Drawing
SC80SD Swing Check Valve

Scale:	DWG No.:	Rev.: 0
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1. SW End dimensions to ASME B16.11
2. Manufacture in accordance with API 602
3. Valves tested to API 598

1	Body	ASTM A182 F316L	1
2	Seat Ring	ASTM A276 316L+STL	1
3	Disc	ASTM A276 316L+STL	1
4	Nut	ASTM A194 8M	1
5	Arm	ASTM A351 CF3M	1
6	Pin	ASTM A276 316L	1
7	Spiral Wound Gasket	SS316L+Graphite	1
8	Bonnet	ASTM A182 F316L	1
9	Nameplate	SS304	1
10	Rivet	SS304	1
11	Body bolt	ASTM A193 B8M	4
S/N	Name	Materials	Qty

NPS	Dimensions(Inch)						Product SKU
	L	D	D ₁	d	b	H	
1/2	3.11	1.34	0.86	0.71	0.39	2.13	SC80WD.5
1	4.37	1.97	1.33	0.91	0.51	2.91	SC80WD1
1 1/2	4.72	2.52	1.92	1.36	0.51	3.78	SC80WD1.5
2	5.51	3.07	2.41	1.69	0.63	4.53	SC80WD2

Revisions			
A			
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Checked By	ZBF	Date	2016-7-28
Approved By	CXH	Date	2016-7-28
Certified By	QXL	Date	2016-7-28



Desc:
General Arrangement Drawing
SC80WD Swing Check Valve

Scale: DWG No.: Rev.: 0