

SHANGHAI CIPHY INDUSTRY CO.,LTD.

ANSI CLASS 150/300/600/900

CARBON STEEL OR STAINLESS STEEL

PLUG VALVE BOLTED BONNET DESIGN

MODEL NO: SPAXRF-GL



PLUG VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
CLASS 150	1-1/2"	20"
CLASS 300	1-1/2"	16"
CLASS 600	1-1/2"	10"

DESIGN DESCRIPTION:

- * **BOLTED BONNET;**
- * **LINER SEATS;**
- * **GLAND DESIGN;**
- * **SOFT SEAT;**
- * **FLANGED ENDS OR BUTT-WELDING ENDS;**

WORKING PRESSURE AND TEMPERATURE

WORKING TEMPERATURE		
MATERIAL	CELSIUR SCALE	FAHRENHEIT
CARBON STEEL	-290C~4250C	60F~8220F
STAINLESS STEEL	-400C~5500C	150F~10470F

GENERAL DESIGN SPECIFICATIONS:

ITEM	AMERICAN STANDARD
MANUFACTURE	API 6D OR API 599
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34
FACE TO FACE	ANSI B16.10
END TO END	ANSI B16.10
END FLANGE	ANSI B16.5
END BUTT-WELDING	ANSI B16.25
INSPECTION AND TEST	API 598 OR API 6D

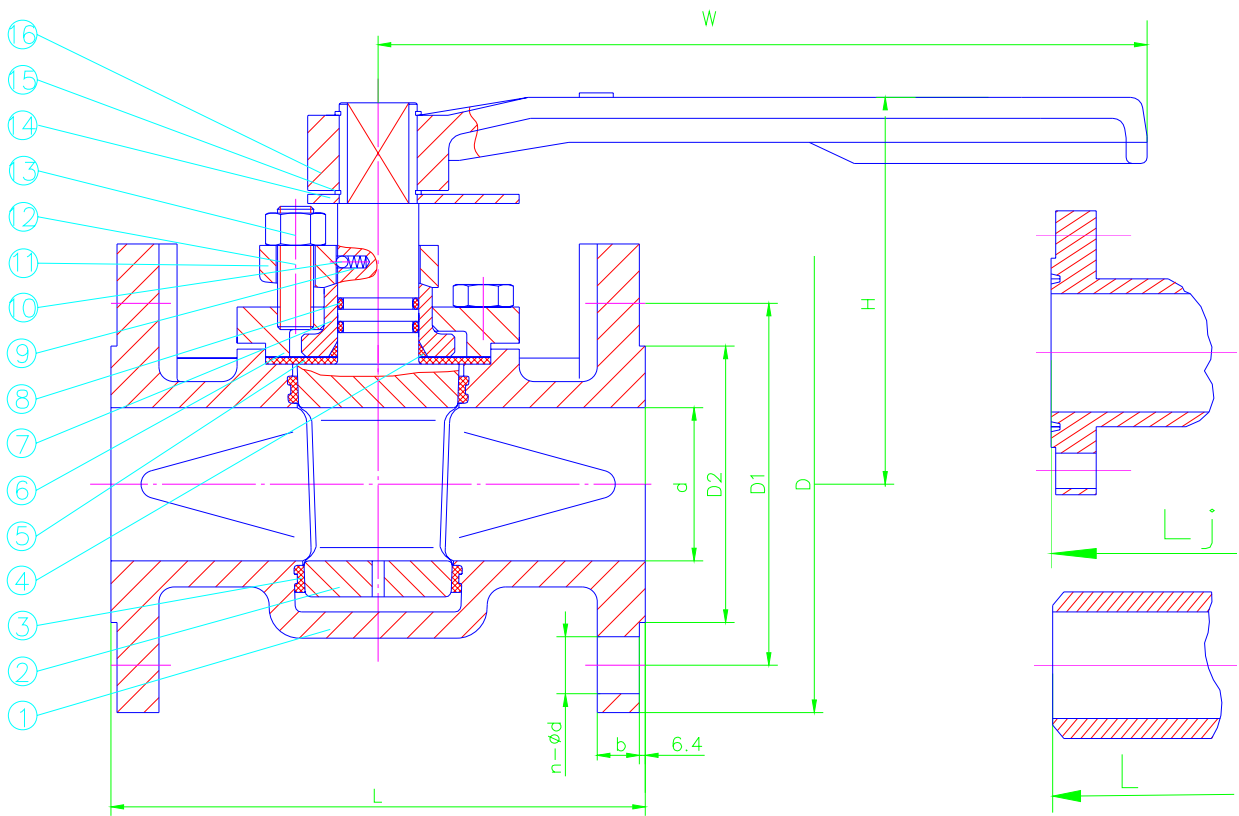
TEST PRESSURE TO API 598:

CLASS	SHELL (WATER)		SEAT (WATER)		SEAT (AIR)	
	MPA	PSI	MPA	PSI	MPA	PSI
150	3.1MPA	450PSI	2.2MPA	315PSI	0.6MPA	80PSI
300	7.8MPA	1125PSI	5.6MPA	815PSI	0.6MPA	80PSI
600	15.3MPA	2225PSI	11.2MPA	1630PSI	0.6MPA	80PSI

PARTS AND MATERIAL (ASTM):

NO	PARTS NAME	MATERIAL				
1	BODY	ASTM A 216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
2	PLUG	ASTM A351-CF8	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
3	LINER	PTFE				
4	WEDGE GASKET	PTFE				
5	GASKET	PTFE				
6	BONNET	ASTM A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
7	GLAND	ASTM A182-F6a	A182-F304	A182-F316	A182-F304L	A182-F316L
8	O-RING	VITON				
9	SMALL SPRING	STAINLESS STEEL				
10	SMALL BALL	STAINLESS STEEL				
11	GLAND FLANGE	ASTM A 216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
12	GLAND BOLT	ASTM A193-B7	A193B8	A193B8	A193B8	A193B8
13	GLAND NUT	ASTM A194-2H	A1948	A1948	A1948	A1948
14	STOP PLATE	CARBON STEEL				
15	SPRING RING	CARBON STEEL				
16	HANDLE	CARBON STEEL				
17	BONNET BOLT	ASTM A193-B7	A193B8	A193B8	A193B8	A193B8

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



DIMENSIONS LIST(UNIT:inch):

CLASS 150											
INCH	DN	d	D	D1	D2	b	n-φd	L	H	W	o.p.
1/2"	15	13	89	60.3	35	11.5	4-16	108	76	125	LEVER
3/4"	20	19	98	69.9	43	12	4-16	117	89	160	LEVER
1"	25	25	108	79.4	51	12	4-16	127	92	160	LEVER
1-1/4"	32	32	117	88.9	64	13	4-16	140	115	230	LEVER
1-1/2"	40	38	127	98.4	73	15	4-16	165	128	230	LEVER
2"	50	51	152	120.7	92	16	4-16	178	132	400	LEVER
2-1/2"	65	64	178	139.4	105	18	4-19	191	146	400	LEVER
3"	80	76	190	152.4	127	19	4-19	203	156	500	LEVER
4"	100	102	229	190.5	157	24	8-19	229	230	450	GEAR
5"	125	127	254	215.9	186	24	8-22	254	271	450	GEAR
6"	150	152	280	241.3	216	26	8-22	267	286	600	GEAR
8"	200	203	343	298.5	270	29	8-22	292	248	600	GEAR
10"	250	254	406	362	324	31	12-26	330	392	800	GEAR
12"	300	305	483	431.8	381	32	12-26	356	438	800	GEAR
14"	350	337	533	476.3	413	35	12-29	381			GEAR
16"	400	387	597	539.8	470	37	16-29	762	588	800	GEAR
20"	500	489	699	635	584	43	20-32	914	772	1000	GEAR
CLASS 300											
INCH	DN	d	D	D1	D2	b	n-φd	L	H	W	o.p.
1/2"	15	13	95	66.7	35	15	4-16	140	76	125	LEVER
3/4"	20	19	118	82.6	43	16	4-19	152	89	160	LEVER
1"	25	25	124	88.9	51	18	4-19	165	92	160	LEVER
1-1/4"	32	32	133	98.4	64	19	4-19	178	115	230	LEVER
1-1/2"	40	38	156	114.3	73	21	4-22	190	128	230	LEVER
2"	50	51	165	127	92	23	8-19	216	132	400	LEVER
2-1/2"	65	64	190	149.2	105	26	8-22	241	146	400	LEVER
3"	80	76	210	168.3	127	29	8-22	283	156	500	LEVER
4"	100	102	254	200	157	32	8-22	305	230	450	GEAR
5"	125	127	279	235	186	35	8-22	381	271	450	GEAR
6"	150	152	318	269	216	37	12-22	403	286	600	GEAR
8"	200	203	381	330.2	270	42	12-26	419	248	600	GEAR
10"	250	254	445	387.4	324	48	16-29	457	392	800	GEAR
12"	300	305	521	450.8	381	51	16-32	502	438	800	GEAR
14"	350	337	584	514.4	413	54	20-32	762			GEAR
16"	400	387	648	571.5	470	58	20-35	838			GEAR

CLASS 600											
1/2"	15	13	95	66.7	35	15	4-16	165	76	125	LEVER
3/4"	20	19	118	82.6	43	16	4-19	190	89	160	LEVER
1"	25	25	124	88.9	51	18	4-19	216	92	160	LEVER
1-1/4"	32	32	133	98.4	64	21	4-19	229	115	230	LEVER
1-1/2"	40	38	156	114.3	73	23	4-22	241	128	230	LEVER
2"	50	51	165	127	92	26	8-19	292	150	500	LEVER
2-1/2"	65	64	190	149.2	105	29	8-22	330	170	500	LEVER
3"	80	76	210	168.3	127	32	8-22	356	210	700	LEVER
4"	100	102	273	215.9	157	38	8-26	432	295	450	GEAR
5"	125	127	330	266.7	186	45	8-29	508	314	600	GEAR
6"	150	152	356	292.1	216	48	12-29	559	347	800	GEAR
8"	200	203	419	349.2	270	56	12-32	660			GEAR
10"	250	254	508	431.8	324	64	16-35	787			GEAR

*** We hereby reserve the rights of any alternative dimension that would help to improve our valve's quality and working efficiency**



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