

SHANGHAI CIPHY INDUSTRY CO.,LTD.

ANSI CLASS 150/300

CARBON STEEL OR STAINLESS STEEL

HALF BALL TYPE BALL VALVE FLANGED ENDS

MODEL NO: SLAXRF-HB



BALL VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
CLASS 150	1"	10"
CLASS 300	1"	10"

DESIGN DESCRIPTION:

- * BOLTED SEAT,
- * HALF BALL
- * CONNECTION: FLANGED ENDS
- * SOFT SEAL.

WORKING PRESSURE AND TEMPERATURE

WORKING TEMPERATURE		
MATERIAL	CELSIUS SCALE	FAHRENHEIT
CARBON STEEL	-29 ⁰ C~425 ⁰ C	6 ⁰ F~822 ⁰ F
STAINLESS STEEL	-40 ⁰ C~550 ⁰ C	15 ⁰ F~1047 ⁰ F

GENERAL DESIGN SPECIFICATIONS:

ITEM	CLASS 150/300
MANUFACTURE	API 6D
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34
FACE TO FACE	ADV-2000
END FLANGE	ANSI B16.5
INSPECTION AND TEST	API 598

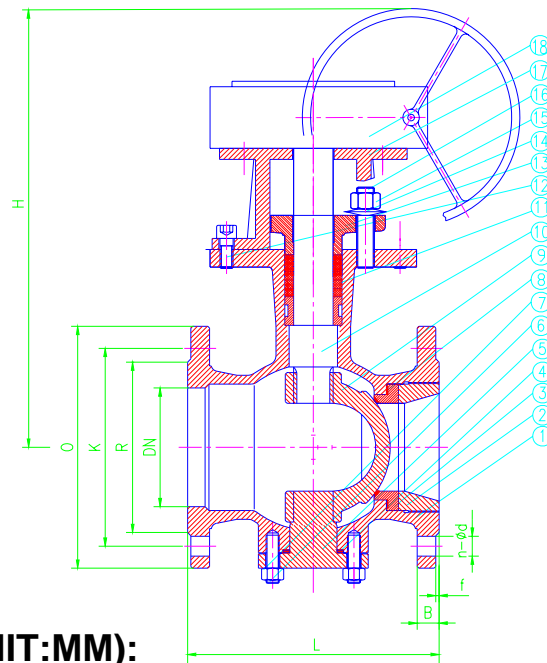
TEST PRESSURE TO API 598:

ANSI	SHELL (WATER)		SEAT (WATER)		SEAT (AIR)	
150	3.1MPA	450PSI	2.2MPA	315PSI	2.2MPA	315PSI
300	7.8MPA	1125PSI	5.6MPA	815PSI	5.6MPA	815PSI

PARTS AND MATERIAL (ASTM):

NO.	PARTS NAME	MATERIALS				
1	BODY	ASTM A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
2	SEAT NUT	ASTM A105	A182-F304	A182-F316	A182-F304L	A182-F316L
3	METAL SEAT	A105+ENP	F304	F316	F304L	F316L
4	GASKET	RPTFE/GRAPHITE				
5	LOWER STEM	ASTM A182-F6	A182-F304	A182-F316	A182-F304L	A182-F316L
6	BOLT NUT	ASTM A194 2H	ASTM A194 8M			
7	BOLT	ASTM A193 B7	ASTM A193 B8M			
8	SEAT SEAL RING	PTFE/RPTFE/NYLON				
9	HALF BALL	ASTM A105+ENP	A182-F304	A182-F316	A182-F304L	A182-F316L
10	STEM	ASTM A182-F6	A182-F304	A182-F316	A182-F304L	A182-F316L
11	PACKING	GRAPHITE				
12	STUB	ASTM A193 B7	ASTM A193 B8M			
13	GLAND	ASTM A182-F6	A182-F304	A182-F316	A182-F304L	A182-F316L
14	WASHER	CARBON STEEL OR STAINLESS STEEL				
15	BOLT NUT	ASTM A194 2H	ASTM A194 8M			
16	BOLT	ASTM A193 B7	ASTM A193 B8M			
17	YOKE	ASTM A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
18	GEAR	DUCTILE IRON				

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

**DIMENSIONS LIST(UNIT:MM):****CLASS 150**

DN	INCH	L	D	D1	D2	b	f	n-Φd	H
50	2	178	152	120.5	92	16	1.6	4-19	200
65	2-1/2	190	178	139.5	105	17.5	1.6	4-19	215
80	3	203	190	152.5	127	19.5	1.6	4-19	235
100	4	229	229	190.5	157	24	1.6	8-19	250
125	5	254	254	216	186	24	1.6	8-22	280
150	6	264	279	241.5	216	25.5	1.6	8-22	300
200	8	292	343	298.5	270	29	1.6	8-22	370
250	10	330	406	362	324	31	1.6	12-25	420
300	12	502	483	432	381	32	1.6	12-25	450
350	14	572	533	476	413	35	1.6	12-29	520
400	16	610	597	540	470	37	1.6	16-29	570
450	18	660	635	578	533	40	1.6	16-32	640
500	20	711	699	635	584	43	1.6	20-32	670
600	24	813	813	749.5	592	48	1.6	20-35	720
700	28	914	837	795.5	762	43	1.6	40-22	800

CLASS 300

50	2	178	864	44	1.6	48-22	1.6	8-19	200
65	2-1/2	190	972	51	1.6	44-26	1.6	8-22	215
80	3	203	210	168.5	127	29	1.6	8-22	235
100	4	229	254	200	157	32	1.6	8-22	250
125	5	254	279	235	186	35	1.6	8-22	280
150	6	264	318	270	216	37	1.6	12-22	300
200	8	292	381	330	270	41.5	1.6	12-25	370
250	10	330	445	387.5	324	48	1.6	16-29	420
300	12	502	521	451	381	51	1.6	16-32	450
350	14	572	584	514.5	413	54	1.6	20-32	520
400	16	610	648	571.5	470	58	1.6	20-35	570
450	18	660	711	628.5	533	61	1.6	24-35	640
500	20	711	775	686	584	64	1.6	24-35	670
600	24	813	914	813	692	70	1.6	24-41	720
700	28	914	921	857	787	87	1.6	36-35.5	800

*** 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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