

SHANGHAI CIPHY INDUSTRY LTD.,CO.

CLASS 900/1500/2500

CARBON STEEL OR STAINLESS STEEL

SWING CHECK VALVE PRESSURE SEAL DESIGN

MODEL NO: SCAXBW-PS



SWING CHECK VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
CLASS 900	2"	16"
CLASS 1500	2"	16"
CLASS 2500	2"	12"

DESIGN DESCRIPTION:

- * BOLTED COVER AND WELDING COVER;
- * PRESSURE SEAL;
- * SWING TYPE;
- * FOR HORIZONTAL OR VERTICAL LINES;
- * FLANGED ENDS OR BUTT-WELDING ENDS;
- * RISING FLANGE OR RING TYPE JOINT.

WORKING PRESSURE AND TEMPERATURE

WORKING TEMPERATURE		
MATERIAL	CELSIUR 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	AMERICAN STANDARD
MANUFACTURE	API 6D OR API 600
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

TEST PRESSURE TO DIN 3230

ANSI	SHELL (WATER)		SEAT (WATER)	
CLASS 900	3350PSI	235BAR	2242PSI	157BAR
CLASS 1500	5626PSI	395BAR	4078PSI	286BAR
CLASS 2500	9275PSI	652BAR	6787PSI	477BAR

TRIMS SPECITIED DUE TO TABLE 3:

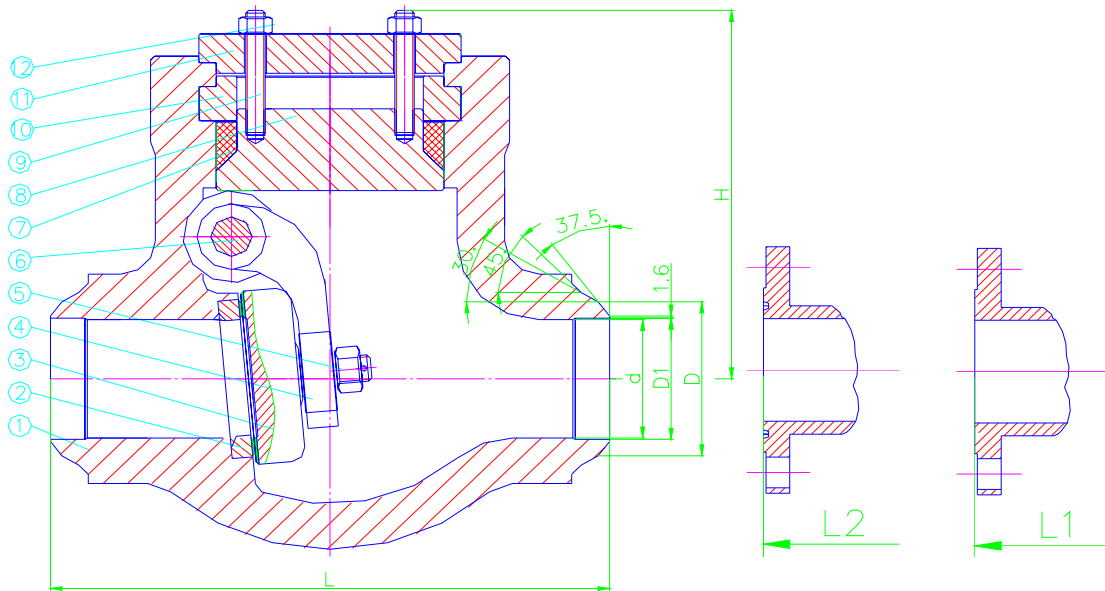
DISC SEAT SURFACE PART NO.3	BODY SEAT SURFACE PART NO.2	PIN PART NO.6
F6	F6	F6
STELLITE	STELILITE	F6
F6	STELILITE	F6
F304	F304	F304
F316	F316	F316
MONEL	MONEL	MONEL
ALLOY 20	ALLOY 20	ALLOY 20
HASTELLOY B	HASTELLOY B	HASTELLOY B
BRONZE	BRONZE	BRONZE
CF8	R-PTFE(INSERT)	S.S.

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

PARTS AND MATERIAL (ASTM)

NO	PARTS NAME	MATERIAL					
		A216WCB	A217WC9	A217C5	A217WC6	A351CF8	A351CF8M
1	BODY	A216WCB	A217WC9	A217C5	A217WC6	A351CF8	A351CF8M
4	SWING ARM	A216WCB	A217WC9	A217C5	A217WC6	A351CF8	A351CF8M
5	DISC NUT	A182 F6A	A182 F6A	A182 F6A	A182 F6A	A182 F304	A182 F316
7	SEAL RING	GRAPHITE+SS304 OR GRAPHITE+SS316					
8	COVER	A216WCB	A217WC9	A217C5	A217WC6	A351CF8	A351CF8M
9	BOLT	A193 B7	A193 B7	A193 B7	A193 B7	A193 B8	A193 B8
10	SPLIT RING	STEEL	STEEL	STEEL	STEEL	S.S	S.S
11	OUT COVER	A216WCB	A217WC9	A217C5	A217WC6	A351CF8	A351CF8M
12	COVER NUT	A194 2H	A194 2H	A194 2H	A194 2H	A194 Gr.8	A194 Gr.8

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



DIMENSIONS LIST(UNIT:MM):

CLASS 900								
DN	SIZE	d	D1	D	L	L1	L2	H
50	2"	47	53	63	368	368	371	187
65	2-1/2"	57	63	75	419	381	422	221
80	3"	73	78	91	381	419	384	300
100	4"	98	102	117	457	457	460	373
125	5"	121	128	144	559	610	613	365
150	6"	146	154	172	610			453
200	8"	191	203	223	737	737	740	511
250	10"	238	255	278	838	838	841	579
300	12"	282	305	329	965	965	968	651
350	14"	311	337	362	1029	1029	1038	766
400	16"	356	387	413	1130	1130	1140	810
450	18"	400	438	464	1219			870
CLASS 1500								
DN	SIZE	d	D1	D	L	L1	L2	H
50	2"	47	53	63	368	368	371	187
65	2-1/2"	57	63	75	419	419	422	221
80	3"	70	78	91	470	470	473	310
100	4"	92	102	117	546	546	549	394
125	5"	111	128	144	673			420
150	6"	136	154	172	705	705	711	487
200	8"	178	203	223	832	832	841	555
250	10"	222	255	278	991	991	1000	670
300	12"	263	305	329	1130	1130	1146	760
350	14"	289	337	362	1257	1257	1276	810
400	16"	330	387	413	1384	1384	1407	945
450	18"	371	438	464	1573			1010

CLASS 2500								
DN	SIZE	d	D1	D	L	L1	L2	H
50	2"	38	154	172	451	451	454	310
65	2-1/2"	47	203	223	508	508	514	376
80	3"	57	255	278	578	578	584	388
100	4"	73	305	329	673	673	683	430
125	5"	92	337	362	794			558
150	6"	111	387	413	914	914	927	605
200	8"	146	438	464	1022	1022	1038	698

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



SHANGHAI CIPHY INDUSTRY CO.,LTD
7G-1 Building, N0.515 Yishan Rd.
Shanghai, China
TEL:+86-21-5497 5962
FAX:+86-21-5497 5963
HTTP://WWW.CIPHY.CN
CIPHY@CIPHY.COM
COPYRIGHT©2004-[CIPHY]
ALL RIGHTS RESERVED.