

SHANGHAI CIPHY INDUSTRY LTD.,CO.

DIN PN16/25/40

CARBON STEEL OR STAINLESS STEEL

SWING CHECK VALVE BOLTED BONNET DESIGN

MODEL NO: SCDXRF-SW



SWING CHECK VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
PN 16	1-1/2"	20"
PN 25	1-1/2"	20"
PN 40	1-1/2"	20"

DESIGN DESCRIPTION:

- * BOLTED COVER AND WELDING COVER;
- * 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	DIN PN 16	DIN PN 25	DIN PN 40
MANUFACTURE	DIN 3356		
FACE TO FACE	DIN 3202F6	DIN 3202F6	DIN 3202 F1
END FLANGE	DIN 2543	DIN 2544	DIN 2545
INSPECTION AND TEST	DIN 3230		

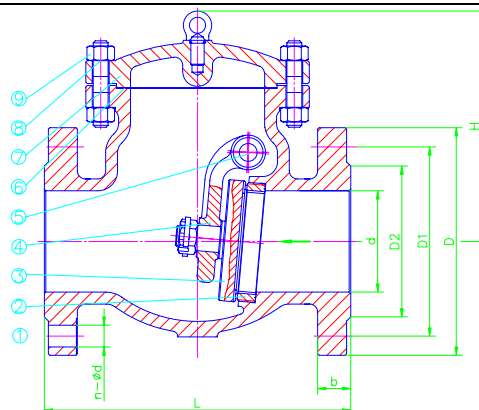
TEST PRESSURE TO DIN 3230

DIN	SHELL (WATER)	SEAT (WATER)
PN 16	2.4MPa	17.6MPa
PN 25	3.75MPa	27.5MPa
PN 40	6.0MPa	4.4MPa

TRIMS SPECITIED DUE TO TABLE 3:

DISC SEAT SURFACE PART NO.3	BODY SEAT SURFACE PART NO.2	PIN PART NO.5
F6	F6	F6
STELLITE	STELLITE	F6
F6	STELLITE	F6
F304	F304	F304
F316	F316	F316

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



PARTS AND MATERIAL (ASTM):

NO	PARTS NAME	MATERIAL								
1	BODY	A216WCB	A352LCB	A217WC1	A217WC5	A217WC6	A351CF8	A351CF8M	A351CF3	A351CF3M
4	SWING ARM	A216WCB	A352LCB	A217WC1	A217WC5	A217WC6	A351CF8	A351CF8M	A351CF3	A351CF3M
6	GASKET	REINFORCED FLAT GRAPHITE,OR SS SPIREAL WOUND W/GRAPHITE OR PTFE								
7	COVER	A216WCB	A352LCB	A217WC1	A217WC5	A217WC6	A351CF8	A351CF8M	A351CF3	A351CF3M
8	BONNET BOLT	A193B7	A320L7	A193B7	A193B16	A193B16	A193B8	A193B8	A193B8	A193B8
9	BONNET BOLT NUT	A1942H	A1944	A1942H	A1944	A1944	A1948	A1948	A1948	A1948

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

DIMENSIONS LIST(UNIT:MM):**PN 16**

DN	SIZE	d	D	D1	D2	b	n-φd	L(F6)	H
40	1-1/2"	40	150	110	88	18	4-18	180	220
50	2"	50	165	125	102	20	4-18	200	230
65	2-1/2"	65	185	145	122	20	4-18	240	280
80	3"	80	200	160	138	20	8-18	260	300
100	4"	100	220	180	158	20	8-18	300	330
150	6"	150	285	240	212	22	8-22	400	400
200	8"	200	340	295	268	24	12-22	500	450
250	10"	250	405	355	320	26	12-26	600	520
300	12"	300	460	410	378	28	12-26	700	570
350	14"	350	520	470	438	30	16-26	800	650
400	16"	400	580	525	490	32	16-30	900	690
500	20"	500	715	650	610	36	20-33	1100	800

PN 25

DN	SIZE	d	D	D1	D2	b	n-φd	L(F6)	H
40	1-1/2"	40	150	110	88	18	4-18	180	220
50	2"	50	165	125	102	20	4-18	200	230
65	2-1/2"	65	185	145	122	22	8-18	240	280
80	3"	80	200	160	138	24	8-18	260	300
100	4"	100	235	190	162	24	8-22	300	330
150	6"	150	300	250	212	28	8-26	400	400
200	8"	200	365	310	278	30	12-26	500	450
250	10"	250	425	370	335	32	12-30	600	520
300	12"	300	485	430	395	34	16-30	700	570
350	14"	350	555	490	450	38	16-33	800	650
400	16"	400	620	550	505	40	16-36	900	690
500	20"	500	730	660	615	44	20-36	1100	800

PN 40

DN	SIZE	d	D	D1	D2	b	n-φd	L(F1)	H
40	1-1/2"	40	150	110	88	18	4-18	200	210
50	2"	50	165	125	102	20	4-18	230	230
65	2-1/2"	65	185	145	122	22	8-18	290	240
80	3"	80	200	160	138	24	8-18	310	300
100	4"	100	235	190	162	24	8-22	350	340
150	6"	150	300	250	212	28	8-26	480	410
200	8"	200	375	320	285	34	12-30	600	460
250	10"	250	450	385	345	38	12-33	730	540
300	12"	300	515	450	410	42	16-33	850	590
350	14"	350	580	510	465	46	16-36	980	670
400	16"	400	660	585	535	50	16-39	1100	710
500	20"	500	755	670	615	52	20-42	1250	830

*** 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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