

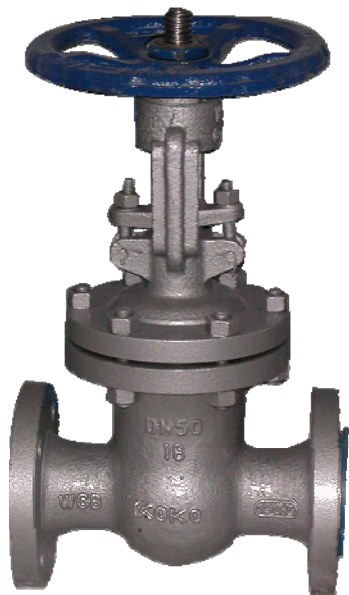
SHANGHAI CIPHY INDUSTRY CO.,LTD.

DIN PN16/25/40

CARBON STEEL OR STAINLESS STEEL

GATE VALVE BOLTED BONNET DESIGN

MODEL NO: SADXRF-000



GATE VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
PN 16	1/2"	24"
PN 25	1/2"	24"
PN 40	1/2"	16"

DESIGN DESCRIPTION:

- * BOLTED BONNET AND WELDING BONNET;
- * OUTSIDE SCREW AND YOKE FLEXIBLE WEDGE,
- * FULLY GUIDER;
- * INTEGRAL SEATS;
- * HANDWHEEL OPERATOR;
- * AVAILABLE WITH GEAR OPERATOR;
- * 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 3352		
FACE TO FACE	DIN 3202 F5	DIN 3202 F5	DIN 3202 F7
END FLANGE	DIN 2543	DIN 2544	DIN 2545
INSPECTION AND TEST	DIN 3230		

TEST PRESSURE TO DIN 3230

DIN	SHELL (WATER)	SEAT (WATER)	SEAT (AIR)	BACK SEAT(WATER)
PN 16	2.4MPa	1.76MPa	0.6MPa	1.76MPa
PN 25	3.75MPa	2.75MPa	0.6MPa	2.75MPa
PN 40	6.0MPa	4.4MPa	0.6MPa	4.4MPa

TRIMS SPECITIED DUE TO TABLE 3:

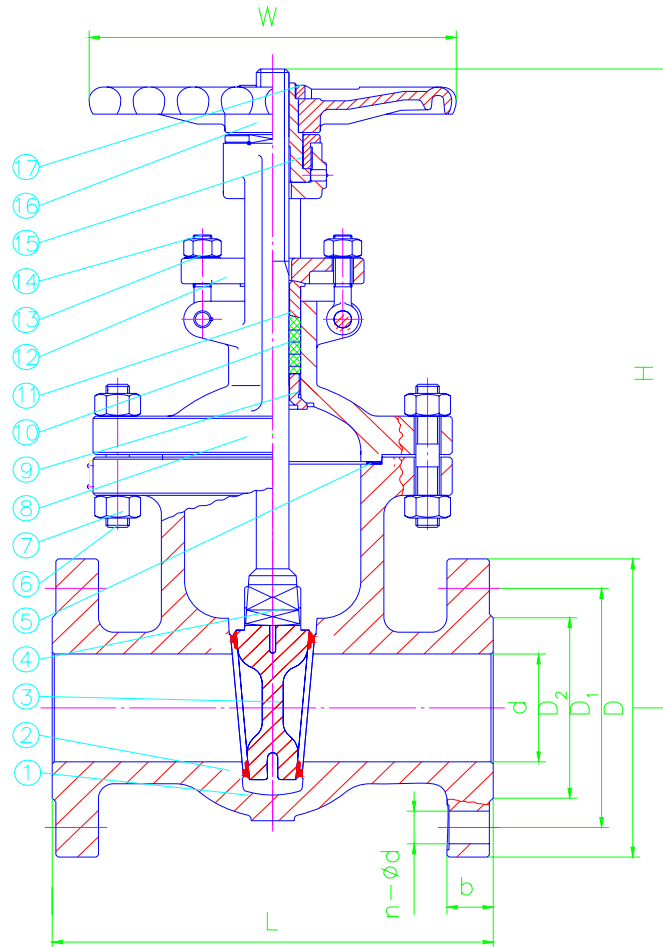
DISC SEAT SURFACE PART NO.3	BODY SEAT SURFACE PART NO.2	STEM PART NO.4	BACKETSEAT PART NO.9
F6	F6	F6	F6
STELLITE	STELILITE	F6	F6
F6	STELILITE	F6	F6
F304	F304	F304	F304
F316	F316	F316	F316
MONEL	MONEL	MONEL	MONEL
ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20
HASTELLOY B	HASTELLOY B	HASTELLOY B	HASTELLOY B
BRONZE	BRONZE	BRONZE	BRONZE
CF8	R-PTFE(INSET)	F304	F304

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
5	GASKET	REINFORCED FLAT GRAPHITE, OR SS SPIREAL WOUND W/GRAPHITE								
6	BONNET BOLT	A193B7	A320L7	A193B7	A193B16	A193B16	A193B8	A193B8	A193B8	A193B8
7	BONNET BOLT NUT	A1942H	A1944	A1942H	A1944	A1944	A1948	A1948	A1948	A1948
8	BONNET	A216WCB	A352LCB	A217WC1	A217WC5	A217WC6	A351CF8	A351CF8M	A351CF3	A351CF3M
10	STEM PACKING	BRAIDED GRAPITE OR DIEFORMED GRAPHITE RING OR PTFE								
11	GLAND	A182F6	A182F6	A182F6	A182F6	A182F6	SS304	SS316	SS304L	SS316L
12	GLAND FLANGE	A105	A350LF2	A105	A105	A105	SS304	SS316	SS304L	SS316L
13	EYE BOLT NUT	A1942H	A1944	A1942H	A1944	A1944	A1948	A1948	A1948	A1948
14	EYE BOLT	A193B7	A320L7	A193B7	A193B16	A193B16	A193B8	A193B8	A193B8	A193B8
15	STEM NUT	A439-D2 OR A276-410								
16	HANDWHEEL	DUCTILE IRON								
17	H.W.LOCK NUT	STEEL								

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



DIMENSIONS LIST(UNIT:MM):

PN16

DN	SIZE	d	D	D1	D2	b	n-φd	L(F5)	H(OPEN)	W
40	1-1/2"	40	150	110	88	18	4-18	240	380	200
50	2"	50	165	125	102	20	4-18	250	390	240
65	2-1/2"	65	185	145	122	20	4-18	270	490	240
80	3"	80	200	160	138	20	8-18	280	520	280
100	4"	100	220	180	158	20	8-18	300	580	320
150	6"	150	285	240	212	22	8-22	350	750	360
200	8"	200	340	295	268	24	12-22	400	900	400
250	10"	250	405	355	320	26	12-26	450	1150	450
300	12"	300	460	410	378	28	12-26	500	1240	560
350	14"	350	520	470	438	30	16-26	550	1350	640
400	16"	400	580	525	490	32	16-30	600	1560	720
500	20"	500	715	650	610	36	20-33	700	1920	720
600	24"	600	840	770	725	40	20-36	800	2150	800

PN25										
DN	SIZE	d	D	D1	D2	b	n-φd	L(F5)	H(OPEN)	W
40	1-1/2"	40	150	110	88	18	4-18	240	380	200
50	2"	50	165	125	102	20	4-18	250	390	240
65	2-1/2"	65	185	145	122	22	8-18	270	490	240
80	3"	80	200	160	138	24	8-18	280	520	280
100	4"	100	235	190	162	24	8-22	300	580	320
150	6"	150	300	250	212	28	8-26	350	750	360
200	8"	200	365	310	278	30	12-26	400	900	400
250	10"	250	425	370	335	32	12-30	450	1150	450
300	12"	300	485	430	395	34	12-30	500	1240	560
350	14"	350	555	490	450	38	16-33	550	1350	640
400	16"	400	620	550	505	40	16-36	600	1560	720
500	20"	500	730	660	615	44	20-36	700	1920	720
600	24"	600	845	770	720	46	20-39	800	2150	800
PN40										
DN	SIZE	d	D	D1	D2	b	n-φd	L(F7)	H(OPEN)	W
40	1-1/2"	40	150	110	88	18	4-18	240	390	200
50	2"	50	165	125	102	20	4-18	250	410	280
65	2-1/2"	65	185	145	122	22	8-18	290	520	280
80	3"	80	200	160	138	24	8-18	310	530	320
100	4"	100	235	190	162	24	8-22	350	600	360
150	6"	150	300	250	212	28	8-26	450	770	400
200	8"	200	375	320	285	34	12-30	550	920	450
250	10"	250	450	385	345	38	12-33	650	1170	560
300	12"	300	515	450	410	42	16-33	750	1260	640
350	14"	350	580	510	465	46	16-36	850	1450	640
400	16"	400	660	585	535	50	16-39	950	1600	720

*** 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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