

SHANGHAI CIPHY INDUSTRY LTD.,CO.

DIN PN16/25/40

CARBON STEEL OR STAINLESS STEEL

GLOBE VALVE BOLTED BONNET DESIGN

MODEL NO: SBDXRF-000



GLOBE VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
PN 16	1/2"	12"
PN 25	1-1/2"	12"
PN 40	1/2"	8"

DESIGN DESCRIPTION:

- * BOLTED BONNET AND WELDING BONNET;
- * WELDING SEAT;
- * 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 3356		
FACE TO FACE	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)	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

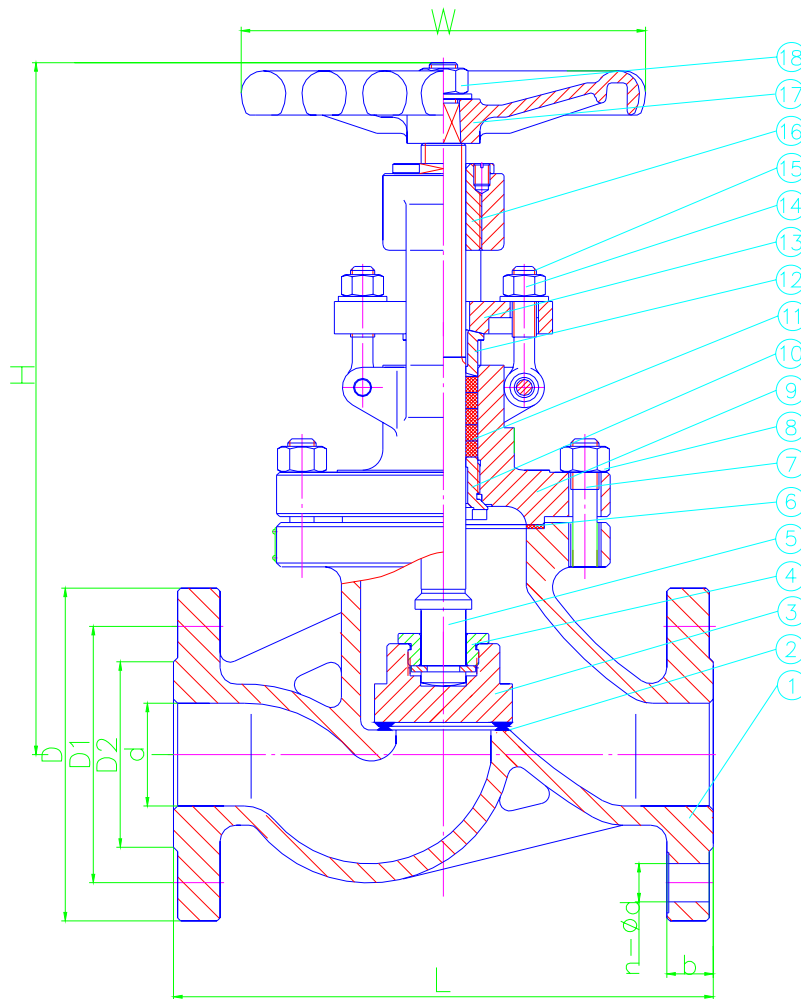
TRIMS SPECITIED DUE TO TABLE 3:

DISC SEAT SURFACE PART NO.3	BODY SEAT SURFACE PART NO.2	STEM PART NO.5	BACKETSEAT PART NO.10
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(INsert)	S.S.	S.S.
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	DISC NUT	A216WCB	A352LCB	A217WC1	A217WC5	A217WC6	A351CF8	A351CF8M	A351CF3	A351CF3M
6	GASKET	REINFORCED FLAT GRAPHITE, OR SS SPIREAL WOUND W/GRAPHITE								
7	BONNET BOLT	A193B7	A320L7	A193B7	A193B16	A193B16	A193B8	A193B8	A193B8	A193B8
8	BONNET BOLT NUT	A1942H	A1944	A1942H	A1944	A1944	A1948	A1948	A1948	A1948
9	BONNET	A216WCB	A352LCB	A217WC1	A217WC5	A217WC6	A351CF8	A351CF8M	A351CF3	A351CF3M
11	STEM PACKING	BRAIDED GRAPITE OR DIEFORMED GRAPHITE RING OR PTFE								
12	GLAND	A182F6	A182F6	A182F6	A182F6	A182F6	SS304	SS316	SS304L	SS316L
13	GLAND FLANGE	A105	A350LF2	A105	A105	A105	SS304	SS316	SS304L	SS316L
14	EYE BOLT	A193B7	A320L7	A193B7	A193B16	A193B16	A193B8	A193B8	A193B8	A193B8
15	EYE BOLT NUT	A1942H	A1944	A1942H	A1944	A1944	A1948	A1948	A1948	A1948
16	STEM NUT	A439-D2 OR A276-410								
17	HANDWHEEL	DUCTILE IRON								
18	H.W.LOCK NUT	STEEL								

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

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

PN 16										
DN	SIZE	d	D	D1	D2	b	n-φd	L (F1)	H(OPEN)	W
15	1/2"	15	95	65	45	16	4-14	130	233	120
20	3/4"	20	105	75	58	18	4-14	150	275	140
25	1"	25	115	85	68	18	4-14	160	285	160
40	1-1/2"	40	150	110	88	18	4-18	200	330	200
50	2"	50	165	125	102	20	4-18	230	350	240
65	2-1/2"	65	185	145	122	20	4-18	290	360	240
80	3"	80	200	160	138	20	8-18	310	400	280
100	4"	100	220	180	158	20	8-18	350	415	320
150	6"	150	285	240	212	22	8-22	480	510	360
200	8"	200	340	295	268	24	12-22	600	710	400
250	10"	250	405	355	320	26	12-26	730	786	450
300	12"	300	460	410	378	28	12-26	850	925	500

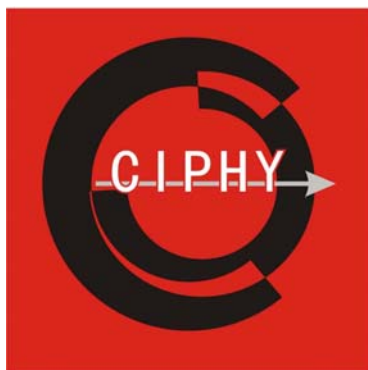
PN 25

DN	SIZE	d	D	D1	D2	b	n-φd	L(F1)	H(OPEN)	W
40	1-1/2"	40	150	110	88	18	4-18	200	330	200
50	2"	50	165	125	102	20	4-18	230	350	240
65	2-1/2"	65	185	145	122	22	8-18	290	360	240
80	3"	80	200	160	138	24	8-18	310	400	280
100	4"	100	235	190	162	24	8-22	350	415	320
150	6"	150	300	250	212	28	8-26	480	510	360
200	8"	200	365	310	278	30	12-26	600	710	400
250	10"	250	425	370	335	32	12-30	730	786	450
300	12"	300	485	430	395	34	16-30	850	925	500

PN 40

DN	SIZE	d	D	D1	D2	b	n-φd	L(F1)	H(OPEN)	W
15	1/2"	15	95	65	45	16	4-14	130	233	120
20	3/4"	20	105	75	58	18	4-14	150	275	140
25	1"	25	115	85	68	18	4-14	160	285	160
40	1-1/2"	40	150	110	88	18	4-18	200	355	200
50	2"	50	165	125	102	20	4-18	230	373	240
65	2-1/2"	65	185	145	122	22	8-18	290	408	280
80	3"	80	200	160	138	24	8-18	310	436	320
100	4"	100	235	190	162	24	8-22	350	480	360
150	6"	150	300	250	212	28	8-26	480	611	400
200	8"	200	375	320	285	34	12-30	600	720	400

*** 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
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