

SHANGHAI CIPHY INDUSTRY CO.,LTD.

ANSI CLASS 600/800/1500 FOR FORGED CARBON STEEL OR STAINLESS STEEL GLOBE VALVE BOLTED BONNET DESIGN

MODEL NO: FBAXTH-000



GLOBE VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
CLASS 600	1/2"	2"
CLASS 800	1/2"	2"
CLASS 1500	1/2"	2"

DESIGN DESCRIPTION:

- * BOLTED BONNET O. S & Y TYPE
- * OPTIONAL: WELD BONNET O. S & Y TYPE
- * WEDGE DISC, RENEWABLE SEAT RING
- * CONNECTRION: THREADED END, SOCKETED END
- * THREAD TYPE(NPT, BSPT, DIN ENDS)
- * MATERIAL: A105, F304, F316, F11, F22, F304L, F316L

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	CLASS 600	CLASS 800	CLASS 1500
MANUFACTURE	API 602	API 602	API 602
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34	ANSI B16.34	ANSI B16.34
END TO END	ANSI B16.10	ANSI B16.10	ANSI B16.10
END THREAD	ANSI B 1.20.1	ANSI B 1.20.1	ANSI B 1.20.1
SOCKET-WELDING	ANSI B 16.11	ANSI B 16.11	ANSI B 16.11
INSPECTION AND TEST	API 598		

TEST PRESSURE TO API598

ANSI	SHELL (WATER)		SEAT (WATER)		SEAT (AIR)		BACK SEAT (WATER)	
CLASS 600	15.3MPA	2225PSI	11.2MPA	1630PSI	0.6MPA	80PSI	11.2MPA	1630PSI
CLASS 800	21MPA	3000PSI	15.4MPA	2200PSI	0.6MPA	80PSI	15.4MPA	2200PSI
CLASS 1500	38.7MPA	5500PSI	28.1MPA	4000PSI	0.6MPA	80PSI	28.1MPA	4000PSI

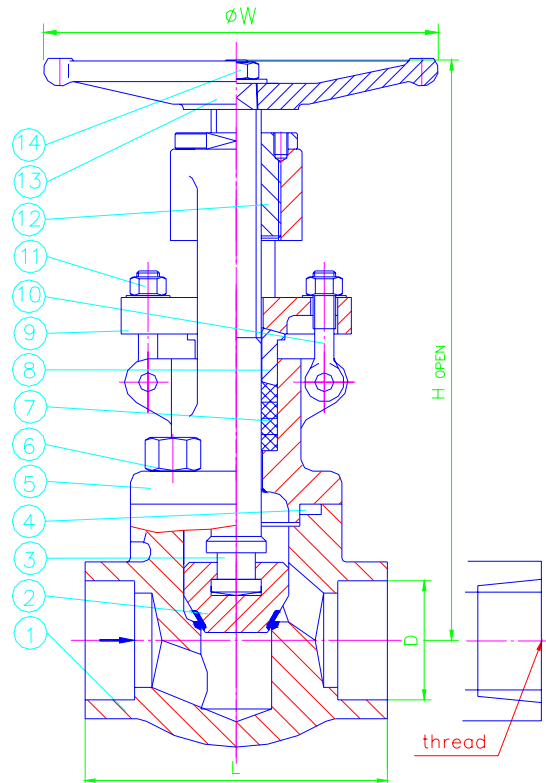
TRIMS SPECITIED DUE TO TABLE 3:

DISC SEAT SURFACE PART NO.2	BODY SEAT SURFACE PART	STEM PART NO.3
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
OTHER MATERIALS ARE AVAILABLE UPON REQUEST.		

PARTS AND MATERIAL (ASTM)

NO.	PARTS NAME	MATERIALS				
		ASTM A105	ASTM F304	ASTM F316	ASTM F304L	ASTM F316L
1	BODY	ASTM A105	ASTM F304	ASTM F316	ASTM F304L	ASTM F316L
4	GASKET	GRAPHITE+304		GRAPHITE+316		
5	BONNET	ASTM A105	ASTM F304	ASTM F316	ASTM F304L	ASTM F316L
6	BONNET BLOT	ASTM A193 B7	ASTM A193 B7			
7	STEM PACKING	REINFORCED GRAPHITE				
8	GLAND	ASTM A276 410	ASTM F304L	ASTM F316L	ASTM F304L	ASTM F316L
9	GLAND FLANGE	ASTM A216 WCB	ASTM F304	ASTM F316	ASTM F304L	ASTM F316L
10	GLAND EYEBOLT	ASTM A193 B7	ASTM A193 B8			
11	GLAND NUT	ASTM A194 2H	ASTM A194 B8			
12	STEM NUT	ASTM A276 410	ZcuAl10Fe3			
13	HAND WHEEL	ASTM A197				
14	H.W.LOCK NUT	ASTM A194 2H	ASTM A194 B8			

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

**DIMENSIONS LIST(UNIT:MM):****CLASS 600**

DN		SIZE		D	H (OPEN)		L	W	WEIGHT (KG)	
STD	FULL	STD	FULL		B.B	W.B			B.B	W.B
15	10	1/2"	3/8"	10	167	176	79	100	2.2	1.9
20	15	3/4"	1/2"	13	167	176	92	100	2.3	2.1
25	20	1"	3/4"	17.5	204	218	111	125	4.2	3.9
32	25	1-1/4"	1"	23	228	236	120	160	6.2	5.8
40	32	1-1/2"	1-1/4"	30	252	254	120	160	7.8	7.2
50	40	2"	1-1/2"	35	295	295	140	180	12.3	10.8
	50		2"	46	327	327	178	240	17	16

CLASS 800

DN		SIZE		D	H (OPEN)		L	W	WEIGHT (KG)	
STD	FULL	STD	FULL		B.B	W.B			B.B	W.B
15	10	1/2"	3/8"	10	167	176	79	100	2.2	1.9
20	15	3/4"	1/2"	13	167	176	92	100	2.3	2.1
25	20	1"	3/4"	17.5	204	218	111	125	4.2	3.9
32	25	1-1/4"	1"	23	228	236	120	160	6.2	5.8
40	32	1-1/2"	1-1/4"	30	252	254	120	160	7.8	7.2
50	40	2"	1-1/2"	35	295	295	140	180	12.3	10.8
	50		2"	46	327	327	178	240	17	16

CLASS 1500

DN		SIZE		D	H (OPEN)		L	W	WEIGHT (KG)	
STD	FULL	STD	FULL		B.B	W.B			B.B	W.B
15	10	1/2"	3/8"	10	207	210	111	100	4.7	4.1
20	15	3/4"	1/2"	13	207	210	111	100	4.6	4.1
25	20	1"	3/4"	17	240	230	130	125	6.8	6.2
32	25	1-1/4"	1"	23	258	234	152	160	9.2	8.6
40	32	1-1/2"	1-1/4"	30	290	290	172	160	13.6	12.7
50	40	2"	1-1/2"	38	337	327	220	180	20.9	19.1

Notice:

- 1、 **STD IS STANDARD PORT; FULL IS FULL PORT.**
- 2、 **B.B IS BOLTED BONNET; W.B IS WELDING BONNET.**

*** 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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