

# SHANGHAI CIPHY INDUSTRY CO.,LTD.

## DIN PN16

### CARBON STEEL OR STAINLESS STEEL

### GATE VALVE BOLTED BONNET DESIGN

**MODEL NO: SAD1RF-RS-F4**



#### **GATE VALVE PRODUCT'S SIZE:**

PRESSURE GRADE	FROM	TO
PN 16	2"	24"

#### **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 <sup>0</sup> C~425 <sup>0</sup> C	6 <sup>0</sup> F~822 <sup>0</sup> F
STAINLESS STEEL	-40 <sup>0</sup> C~550 <sup>0</sup> C	15 <sup>0</sup> F~1047 <sup>0</sup> F

#### **GENERAL DESIGN SPECIFICATIONS:**

ITEM	DIN PN 16
MANUFACTURE	DIN 3352
FACE TO FACE	DIN 3202 F4
END FLANGE	DIN 2543
INSPECTION AND TEST	DIN 3230

#### **TEST PRESSURE TO DIN 3230**

DIN	SHELL (WATER)	SEAT (WATER)	SEAT (AIR)	BACK SEAT(WATER)
PN 16	24BARS	17.6BARS	6BARS	17.6BARS

#### **TRIMS SPECITIED DUE TO TABLE 3:**

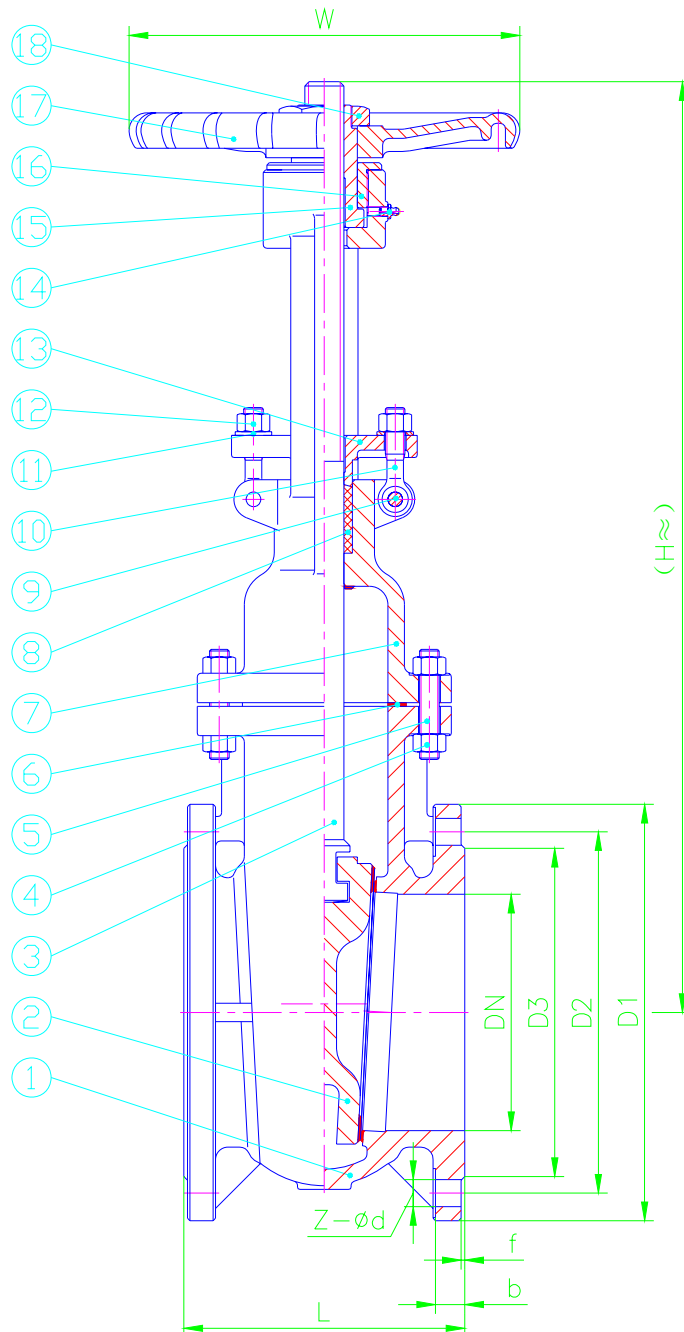
DISC SEAT SURFACE PART NO.2	BODY SEAT SURFACE	STEM PART NO.3	BACKETSEAT
F6	F6	F6	F6
STELLITE	STELILITE	F6	F6
F6	STELILITE	F6	F6
F304	F304	F304	F304
F316	F316	F316	F316
MONEL	MONEL	MONEL	MONEL
ALLOY 20	ALLOY 20	ALLOY 20	ALLOY 20
HASTELLOY B	HASTELLOY B	HASTELLOY B	HASTELLOY B
BRONZE	BRONZE	BRONZE	BRONZE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

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.

**PARTS AND MATERIAL (ASTM)**

NO	PARTS NAME	MATERIAL
1	BODY	GS-C25
4	BONNET BOLT NUT	A1942H
5	BONNET BOLT	A193B7
6	GASKET	REINFORCED FLAT GRAPHITE,OR SS SPIREAL WOUND W/GRAPHITE
7	BONNET	GS-C25
8	STEM PACKING	BRAIDED GRAPITE OR DIEFORMED GRAPHITE RING OR PTFE
9	PIN	CARBON STEEL
10	EYE BOLT	A193B7
11	WASHER	CARBON STEEL
12	EYE BOLT NUT	A1942H
13	GLAND	GS-C25
14	LUBRICATOR	STEEL OR BRAS
15	STEM NUT	A439-D2 OR A276-410 OR BRASS
16	RETAINER NUT	STEEL
17	HANDWHEEL	DUCTILE IRON
18	H.W.LOCK NUT	STEEL

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



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

DN	D3	D2	D1	f	b	Z-d	L(F4)	H	W
50	102	125	165	3	18	4-18	150	400	200
65	122	145	185	3	18	4-18	170	435	200
80	138	160	200	3	20	8-18	180	515	250
100	158	180	220	3	20	8-18	190	595	280
125	188	210	250	3	22	8-18	200	725	280
150	212	240	285	3	22	8-22	210	780	300
200	268	295	340	3	24	12-22	230	980	350
250	320	355	405	3	26	12-26	250	1150	400
300	378	410	460	4	28	12-26	270	1380	450
350	438	470	520	4	30	16-26	290	1550	500
400	490	525	580	4	32	16-30	310	1745	500
500	610	650	715	4	36	20-33	350	2120	600
600	725	770	840	5	40	20-36	390	2520	600

**\* 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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