

SHANGHAI CIPHY INDUSTRY CO.,LTD.

ANSI CLASS 150

CARBON STEEL OR STAINLESS STEEL

GATE VALVE BOLTED BONNET DESIGN

NON-RISING STEM

MODEL NO: SAA1RF-NRS



GATE VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
CLASS 150	2"	24"

DESIGN DESCRIPTION:

- * NON-RISING STEM;
- * BOLTED BONNET;
- * FULLY GUIDER;
- * INTEGRAL SEATS;
- * RISING STEM HANDWHEEL;
- * FLANGED ENDS;
- * RISING FLANGE OR RING TYPE JOINT.

WORKING TEMPERATURE:

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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	AMERICAN STANDARD
MANUFACTURE	API 6D OR API 600
PRESSURE-TEMPERATURE RATINGS	ANSI B16.34
FACE TO FACE	ANSI B16.10
END TO END	ANSI B16.10
END FLANGE	ANSI B16.5
END BUTT-WELDING	ANSI B16.25
GASKET CONTACT	ANSI B16.5
INSPECTION AND TEST	API 598

TEST PRESSURE TO API 598 OR BS 6755 PATRT 1

CLASS	SHELL (WATER)		SHELL (AIR)		SEAT (WATER)		SEAT (AIR)		BACK SEAT (WATER)	
150	3.1MPA	450PSI	2.2MPA	315PSI	2.2MPA	315PSI	0.6MPA	80PSI	3.1MPA	450PSI

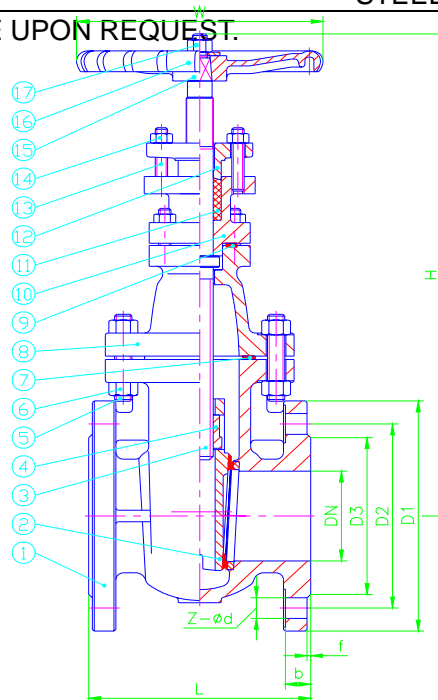
TRIMS SPECITIED DUE TO TABLE 3:

DISC SEAT SURFACE PART NO.2	BODY SEAT SURFACE	STEM PART NO.3
F6	F6	F6
STELLITE	STELLITE	F6
F6	STELLITE	F6
304	304	F304
316	316	F316
304L	304L	F304L
316L	316L	F316L
MONEL	MONEL	MONEL
OTHER MATERIALS ARE AVAILABLE UPON REQUEST.		

PARTS AND MATERIAL (ASTM)

NO	PARTS NAME	MATERIAL				
1	BODY	A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
4	DISC NUT	F6	F304	F316	F304L	F316L
5	BONNET BOLT	A193B7	A193B8	A193B8	A193B8	A193B8
6	BONNET BOLT NUT	A1942H	A1948	A1948	A1948	A1948
7	GASKET	REINFORCED FLAT GRAPHITE, OR SS SPIREAL WOUND W/GRAPHITE OR PTFE,				
8	BONNET	A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
9	PAKING GASKET	REINFORCED FLAT GRAPHITE, OR SS SPIREAL WOUND W/GRAPHITE OR PTFE,				
10	PACKING BOX	A216-WCB	A351-CF8	A351-CF8M	A351-CF3	A351-CF3M
11	STEM PACKING	BRAIDED GRAPITE OR DIEFORMED GRAPHITE RING OR PTFE				
12	GLAND	A182F6	SS304	SS316	SS304L	SS316L
13	EYE BOLT	A193B7	A193B8	A193B8	A193B8	A193B8
14	EYE BOLTED NUT	A1942H	A1948	A1948	A1948	A1948
15	HANDWHEEL	DUCTILE IRON				
16	NAMEPLATE	ALUMIINIUM				
17	H.W.LOCK NUT	STEEL				

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



DIMENSIONS LIST (UNIT: MM):

DN	NPS	F (MM)	L	D	D1	D2	b	Z*Φd	W	H (OPEN)	Wt (kg)
50	2	2.1	7	6	4-3/4	3-5/8	5/8	4*3/4	7-7/8	15-3/4	19
80	3	2.1	8	7-1/2	6	5	3/4	4*3/4	10	20-1/4	31
100	4	2.1	9	9	7-1/2	6-3/16	15/16	8*3/4	11	23-1/2	47
150	6	2.1	10-1/2	11	9-1/2	8-1/2	1	8*7/8	11-3/4	30-1/2	71
200	8	2.1	11-1/2	13-1/2	11-3/4	10-5/8	1-1/8	8*7/8	13-3/4	38-1/4	113
250	10	2.1	13	16	14-1/4	12-3/4	1-3/16	12*1	15-3/4	46-1/4	176
300	12	2.1	14	19	17	15	1-1/4	12*1	17-3/4	54-1/2	271

* 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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