

SHANGHAI CIHPY INDUSTRY CO.,LTD.

AWWA C509-BS5163

CAST IRON OR DUCTILE IRON

GATE VALVE NON-RISING STEM DESIGN

MODEL NO: IABXRF-NRSS-AWWA



GATE VALVE PRODUCT'S SIZE:

PRESSURE GRADE	FROM	TO
PN10/16	2"	24"

DESIGN DESCRIPTION:

- * BOLTED BONNET;
- * FULLY GUIDER;
- * HANDWHEEL OPERATOR;FLANGED ENDS;
- * RISING FLANGE OR FLAT TYPE FLANGE;
- * WRAS CERTIFICATION;
- * ANSI AWWA CERTIFICATION;
- * HANDWHEEL OR NUT OPERATOR;
- * PAD MOUNTING AVAILABLE.

WORKING PRESSURE AND TEMPERATURE

WORKING TEMPERATURE	
MATERIAL	CELSIUR SCALE
DUCTILE IRON	0°C~80°C
CAST IRON	0°C~80°C

GENERAL DESIGN SPECIFICATIONS:

ITEM	BRITISH STANDARD
MANUFACTURE	AWWA C509
PRESSURE-TEMPERATURE RATINGS	RUBBER TEMP.
FACE TO FACE	BS 5163:1986
END FLANGE	BS 4504
INSPECTION AND TEST	BS 6755 PART 1

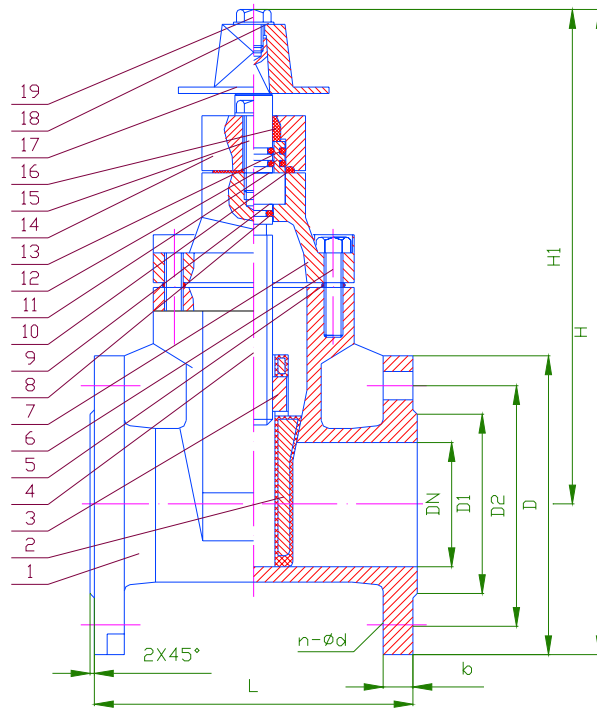
TEST PRESSURE TO API 598 OR BS 6755 PATRT 1:

PN	SHELL (WATER)	SEAT (WATER)	SEAT (AIR)
10	1.5MPA	1.1MPA	0.6MPA
16	2.4MPA	17.6MPA	0.6MPA

PARTS AND MATERIAL :

No.	PART	Material
1	Valve Body	Cast Iron or Ductile Iron
2	Resilient Wedge	Ductile Iron lining EPDM
3	Wedge Nut	Bronze
4	Stem	Bronze or stainless steel
5	Bonnet Gasket	EPDM
6	Bonnet Screw	Alloy Steel Zinc Plated or ss304
7	Bonnet	Cast Iron or Ductile Iron
8	Stem Primary O-Ring	EPDM
9	Stem Thrust Washer (lower)	Bronze
10	Gland Seal O-Ring	EPDM
11	Stem Thrust Washer (upper)	Stainless Steel
12	Stem Seal Bushing	Bronze
13	Stem Secondary O-Ring (2)	EPDM
14	Gland Flange	Ductile Iron
15	Gland Flange Screw	Alloy Steel Zinc Plated or ss304
16	Stem Ring Wiper	EPDM
17	Square Operating Nut	Cast Iron ASTM A 126-B
17A.	Handwheel (Optional)	Ductile Iron ASTM A 536
18	Flat Washer	Carbon Steel Zinc Plated
19	Screw	Alloy Steel Zinc Plated

OTHER MATERIALS ARE AVAILABLE UPON REQUEST.



DIMENSIONS LIST(UNIT:mm):

INCH	DN	PN	L	n-φd	D	φ	d	b	H	H1
2"	50	10/16	178	4-φ19	165	125	98	19	410	253
2-1/2"	65	10/16	190	4-φ19	185	145	118	19	451	284
3"	80	10/16	203	8-φ19	200	160	133	19	498	320
4"	100	10/16	229	8-φ19	220	180	153	19	531	343
5"	125	10/16	254	8-φ19	250	210	183	19	618	408
6"	150	10/16	267	8-φ19	285	240	209	19	653	425
8"	200	10	292	8-φ19	340	295	264	20	785	530
		16		12-φ23						
10"	250	10	330	12-φ23	400	350	319	22	911	621
		16		12-φ28						
12"	300	10	356	12-φ23	455	400	367	24.5	1020	703
		16		12-φ28						
14"	350	10	381	16-φ23	520	460	429	26.5	1097	841
		16		16-φ28						
16"	400	10	406	16-φ28	580	515	480	28	1199	922
		16		16-φ31						
18"	450	10	432	20-φ29	640	565	550	30	1342	1022
		16		20-φ31						
20"	500	10	457	20-φ29	715	620	609	31.5	1535	1177
		16		20-φ35						
24"	600	10	508	20-φ32	840	725	682	36	1799	137
		16		20-φ37						

*** 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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