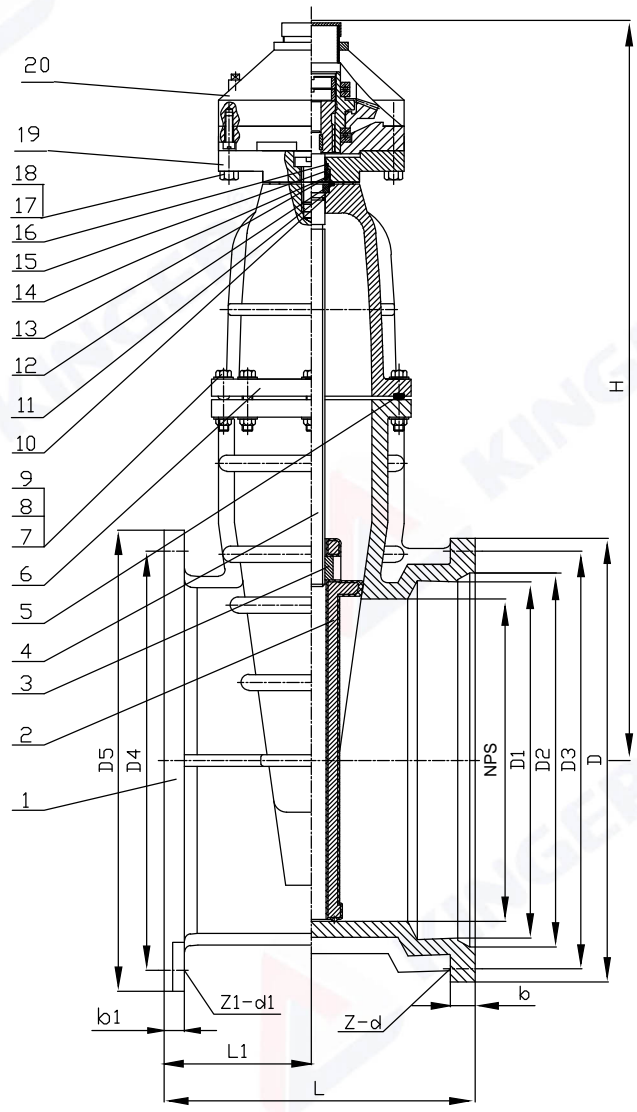
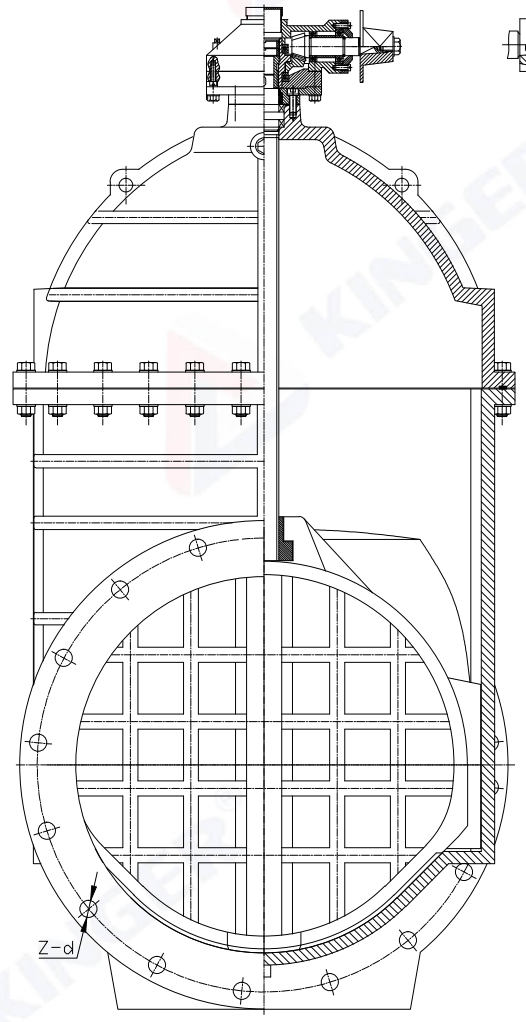


APPLICABLE STANDARD		TESTING DETAILS	
Design&Manufacture	AWWA C509	DESCRIPTION	TEST PRESSURE
End Connection	ASME B16.1 CL125/ ASME B16.42 CL150	SHELL TEST	500PSI
	ANSI/AWWA C153/A21.53/ ANSI/AWWA C110/A21.10	SEAT TEST	250PSI
Gear Flange	ISO5211		
Working Temperature	32°F -176°F		
Medium	Water		



SIZE XX
250W
DI
XXXXXX
heat number



KINGER
AWWA
C509



Part No.	Description	Material Specification
1	Body	Ductile Iron ASTM A536
2	Wedge	DI ASTM A536 +EPDM ASTM D2000
3	Stem Nut	Brass ASTM B16
4	Stem	Stainless Steel SS316
5	Gasket	EPDM ASTM D2000
6	Bonnet	Ductile Iron ASTM A536
7	Bonnet Bolt	Stainless Steel SS316
8	Nut	Stainless Steel SS316
9	Washer	Stainless Steel SS316
10	O-Ring	EPDM ASTM D2000
11	Minipad	2-24" PTFE
	Bearing	30-48" Stainless Steel SS316
12	O-Ring	EPDM ASTM D2000
13	O-Ring	EPDM ASTM D2000
14	O-Ring	EPDM ASTM D2000
15	Seal Ring	Brass ASTM B16
16	Dust Ring	EPDM ASTM D2000
17	Bolt	Stainless Steel SS316
18	Washer	Stainless Steel SS316
19	Gland	Ductile Iron ASTM A536
20	Gear Box	

Item No.	Dimensions(Inch)																	TURN TO OPEN	TUM RANGE	
	NPS	Flange					Mechanical							S	L1	L	H			
		D5	D4	b1	z1	d1	D	D1	D2	D3	b	z	d							
JH004X-G02	2"	6.00	4.75	0.62	4	0.750	6.25	2.61	3.50	4.75	0.75	2	0.750	10	3.50	7.63	16.65	20	±3	
JH004X-G025	2.5"	7.00	5.50	0.69	4	0.750	6.75	3.30	4.22	5.40	0.88	2	0.750	10	3.75	7.87	17.64	26		
JH004X-G03	3"	7.50	6.00	0.75	4	0.750	7.69	4.06	4.94	6.19	0.94	4	0.750	10	4.00	8.25	18.66	32		
JH004X-G04	4"	9.00	7.50	0.94	8	0.750	9.12	4.90	6.02	7.50	1.00	4	0.875	10	4.50	9.26	19.96	39		
JH004X-G06	6"	11.00	9.50	1.00	8	0.875	11.12	7.00	8.12	9.50	1.06	6	0.875	10	5.25	10.26	23.62	58		
JH004X-G08	8"	13.50	11.75	1.12	8	0.875	13.37	9.15	10.27	11.75	1.12	6	0.875	12	5.75	11.00	27.05	77		
JH004X-G10	10"	16.00	14.25	1.19	12	1.000	15.69	11.20	12.34	14.00	1.19	8	0.875	12	6.50	12.50	30.43	115	±5	
JH004X-G12	12"	19.00	17.00	1.25	12	1.000	17.94	13.30	14.44	16.25	1.25	8	0.875	12	7.00	13.51	33.90	137		
JH004X-G14	14"	21.00	18.75	1.38	12	1.125	20.31	15.44	16.54	18.75	1.31	10	0.875	16	7.50	14.50	36.73	213		
JH004X-G16	16"	23.50	21.25	1.44	16	1.125	22.56	17.54	18.64	21.00	1.38	12	0.875	16	8.00	16.99	39.76	180		
JH004X-G18	18"	25.00	22.75	1.56	16	1.250	24.83	19.64	20.74	23.25	1.44	12	0.875	16	8.50	18.15	42.87	257		
JH004X-G20	20"	27.50	25.00	1.69	20	1.250	27.08	21.74	22.84	25.50	1.50	14	0.875	16	9.00	19.00	45.98	288		
JH004X-G24	24"	32.00	29.50	1.88	20	1.375	31.58	25.94	27.04	30.00	1.62	16	0.875	16	10.00	21.00	52.28	342	±7	
JH004X-G30	30"	38.75	36.00	2.12	28	1.375	39.12	32.17	33.46	36.88	1.81	20	1.125	16	12.00	24.02	73.74	253		
JH004X-G36	36"	46.00	42.75	2.38	32	1.625	46.00	38.47	39.76	43.75	2.00	24	1.125	16	14.00	27.99	76.46	266		
JH004X-G42	42"	53.00	49.50	2.62	36	1.625	53.12	44.67	45.96	50.62	2.00	28	1.375	16	18.00	35.98	93.39	381		
JH004X-G48	48"	59.50	56.00	2.75	44	1.625	60.00	50.97	52.26	57.50	2.00	32	1.375	16	22.00	43.51	108.94	426		±9

DESCRIPTION	Proj.	JH004X-G001
AWWA C509 Flanged x Mechanical Resilient NRS Gate Valve & Bevel Gears	DWG#	REV.
	JH-008	0
	WN	APPR.
	CINDY	DATE
	CUHN HU	3-7-2025