



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



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 Bolt	Stainless Steel SS316
7	Nut	Stainless Steel SS316
8	Washer	Stainless Steel SS316
9	Bonnet	Ductile Iron ASTM A536
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
19	Gland	Ductile Iron ASTM A536
20	Bolt	Stainless Steel SS316
21	Washer	Stainless Steel SS316
22	Gear Box	

Item No.	Dimensions(Inch)									TURN TO OPEN	TUM RANGE
	NPS	D	D1	b	z	d	S	L	H		
JHZ45XC-G02	2"	6.00	4.75	0.62	4	0.750	10	7.00	16.65	20	±3
JHZ45XC-G025	2.5"	7.00	5.50	0.69	4	0.750	10	7.50	17.64	26	
JHZ45XC-G03	3"	7.50	6.00	0.75	4	0.750	10	8.00	18.66	32	
JHZ45XC-G04	4"	9.00	7.50	0.94	8	0.750	10	9.00	19.96	39	
JHZ45XC-G05	5"	10.00	8.50	0.94	8	0.875	10	10.00	22.13	48	
JHZ45XC-G06	6"	11.00	9.50	1.00	8	0.875	10	10.50	23.62	58	
JHZ45XC-G08	8"	13.50	11.75	1.12	8	0.875	12	11.50	27.05	77	
JHZ45XC-G10	10"	16.00	14.25	1.19	12	1.000	12	13.00	30.43	115	±5
JHZ45XC-G12	12"	19.00	17.00	1.25	12	1.000	12	14.00	33.90	137	
JHZ45XC-G14	14"	21.00	18.75	1.38	12	1.125	16	15.00	36.73	213	
JHZ45XC-G16	16"	23.50	21.25	1.44	16	1.125	16	16.00	39.76	180	
JHZ45XC-G18	18"	25.00	22.75	1.56	16	1.250	16	17.00	42.87	257	
JHZ45XC-G20	20"	27.50	25.00	1.69	20	1.250	16	18.00	45.98	288	±7
JHZ45XC-G24	24"	32.00	29.50	1.88	20	1.375	16	20.00	52.28	342	
JHZ45XC-G30	30"	38.75	36.00	2.12	28	1.375	16	24.00	60.24	253	
JHZ45XC-G36	36"	46.00	42.75	2.38	32	1.625	16	28.00	65.94	266	
JHZ45XC-G42	42"	53.00	49.50	2.62	36	1.625	16	36.00	76.77	381	
JHZ45XC-G48	48"	59.50	56.00	2.75	44	1.625	16	44.00	82.68	426	

DESCRIPTION	Proj.	JHZ45XC-G001	
AWWA C509 Flanged Resilient NRS Gate Valve & Bevel Gears	DWG#	REV.	
	JH-006	0	
	WN	APPR.	DATE
	CINDY	KUHN HU	3-7-2025