



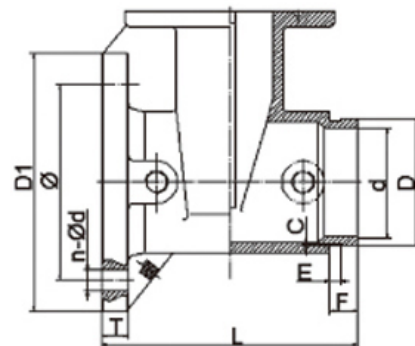
AWWA C509 250PSI/300PSI

FGO135/FGO138 Rising Stem Groove Joint Ends Resilient Wedge Gate Valves

MATERIAL LIST

	PART	SPECIFICATION
1	Valve Body	Ductile Iron ASTM A 536
2	Resilient Wedge	Ductile Iron ASTM A 536/EPDM ASTM D 2000
3	Wedge Nut	Bronze ASTM B 584 UNS C83600
4	Dowel Pin	Stainless Steel ASTM A 276 UNS S42000
5	Stem Back Seat O-Ring	EPDM ASTM D 2000
6	Bonnet Gasket	EPDM ASTM D 2000
7	Bonnet	Ductile Iron ASTM A 536
8	Stem Packing	EPDM ASTM D 2000
9	Threaded Rod	Carbon Steel Zinc Plated
10	Gland Bushing	Bronze ASTM B 584
11	Gland	Cast Iron ASTM A 126-B
12	Gland Nut	Stainless Steel 18-8
13	Yoke Screw	Alloy Steel ASTM A 574M Zinc Plated
14	Yoke	Cast Iron ASTM A 126-B
15	Yoke Bushing	Bronze ASTM B 584
16	Flat Point Set Screw	Alloy Steel ASTM F 912M Black Oxide
17	Yoke Bushing Retainer	Cast Iron ASTM A 126-B
18	Handwheel	Ductile Iron ASTM A 536
19	Handwheel Nut	Carbon Steel Zinc Plated
20	Flat Head Screw	Carbon Steel Zinc Plated
21	Stem	Bronze ASTM B 150 UNS C61400
22	Bonnet Screw	Alloy Steel ASTM A 574M Zinc Plated

- ◆ Bolted Bonnet • Non-Rising Stem • Resilient Wedge • FlangedxGroove • GroovexGroove
- ◆ 250 PSI/17.2 Bar Non-Shock Cold Working Pressure(160°F/71°C max. operating temperature)
- ◆ CONFORMS TO AWWA C509



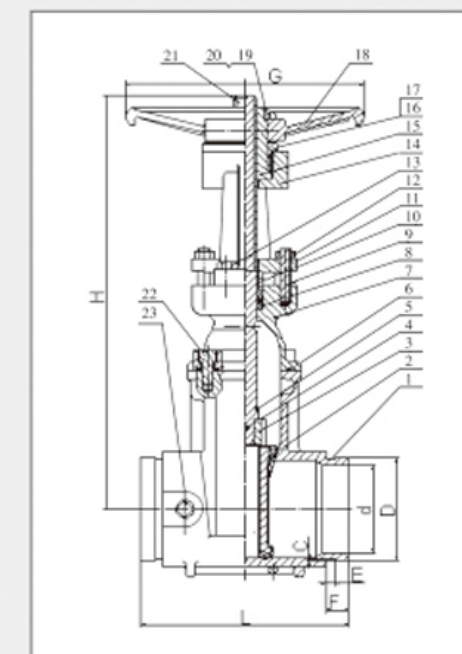
Flg x Groove

*Electrostatically applied fusion-bonded epoxy coated inside and outside per AWWA C-550.



GroovexGroove
FGO135

Flg x Groove
FGO138



GroovexGroove

FREEZING WEATHER PRECAUTION: Subsequent to testing a piping system, gate valve should be in an open position to allow complete drainage.

DIMENSION-WEIGHTS-QUANTITIES

Size		Dimension																		Bolt Circle		Flange Holes	Turns To Open				
		L		H Open		H Closed		C		D		E		F		G		d						D1		T	
In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm	In	mm		
2.5	65	7.5	190.5	18.3	466	15.2	386	0.08	2	2.87	73	0.31	7.95	0.94	24	7.87	200	2.6	65	7	178	0.69	17.5	5.5	140	4-φ19	8
3	80	8.0	203	20.1	510	15.9	405	0.08	2	3.50	89	0.35	9	0.98	25	10.00	254	3.0	73	7.5	191	0.75	19	6.00	152.5	4-φ19	10.5
4	100	9.00	229	22.4	568	16.6	422	0.08	2	4.49	114	0.35	9	0.98	25	10.00	254	4.0	100	9.0	229	0.94	24	7.50	190.5	8-φ19	13.75
6	150	10.5	267	30.3	769	22.9	581	0.08	2	6.61	168	0.35	9	0.98	25	12.40	315	6.0	150	11.0	279	1.00	25.4	9.50	241	8-φ23	16
8	200	11.5	292	37.8	960	28.5	724	0.09	2.3	8.62	219	0.47	12	1.22	31	14.76	375	8.0	200	13.5	343	1.13	28.6	11.73	298.5	8-φ23	17.5
10	250	13	330	45.1	1145	35.1	891	0.1	2.55	10.74	272.9	0.52	13.2	1.25	31.7	16.38	416	10	250	15.98	406	1.19	30.2	14.25	362	12-φ26	21.5
12	300	14	356	52.4	1330	40.2	1020	0.13	3.35	12.78	324.5	0.52	13.2	1.25	31.7	17.52	445	12	300	19.2	483	1.25	31.8	17.01	432	12-φ26	26