250 PSI CWP Iron Body Gate Valve

Bolted Bonnet • Non-Rising Stem • Resilient Wedge • Flanged by MJ Ends

250 PSI/17.2 Bar Non-Shock Cold Working Pressure

CONFORMS TO AWWA C509 & C515
CERTIFIED LEAD-FREE* BY IAPMO R&T TO NSF/ANSI 372

LOW-LEAD IAPMO R&T ™

FM-619-RW

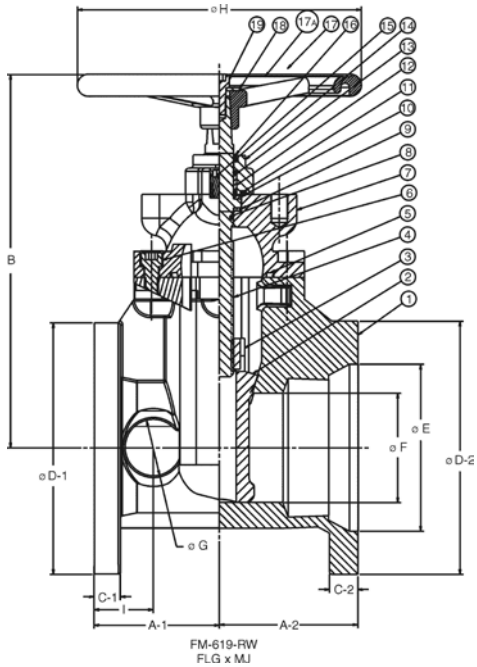
FM-619-RW-SON

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" - 12" ASTM B584 UNS C92200 3"
4.	Stem	Bronze ASTM B 150 UNS C61400
5.	Bonnet Gasket	EPDM ASTM D 2000
6.	Bonnet Screw	18-8 Stainless Steel ASTM 193
7.	Bonnet	Ductile Iron ASTM A 536
8.	Stem Primary O-Ring	EPDM ASTM D 2000
9.	Stem Thrust Washer (lower)	Bronze ASTM B 584 UNS C83600
10.	Stem Thrust Washer (upper)	Stainless Steel ASTM A 276 UNS S41000
11.	Gland Seal O-Ring	EPDM ASTM D 2000
12	Stem Seal Bushing	Bronze ASTM B 584 UNS C83600
13.	Stem Secondary O-Ring (2)	EPDM ASTM D 2000
14.	Gland Flange	Ductile Iron ASTM A 536
15.	Gland Flange Screw	Alloy Steel ASTM A 574M Zinc Plated
16.	Stem Ring Wiper	EPDM ASTM D 2000
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 ASTM A 574M Zinc Plated

Coating — Electrostatically applied fusion-bonded epoxy 10-14 mil. inside and outside.
Meets or exceeds AWWA C 550
Coating is NSF and FDA certified

Maximum operating temperature 160°F/71°C.



FM-619-RW
FLG x MJ

DIMENSIONS—WEIGHTS—QUANTITIES

Size		Dimensions A-1		A-2		B		C-1		C-2		D-1		D-2		E		F	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.
3	80	4.0	101.5	4.0	101.5	12.6	321	0.75	19.0	0.94	24	7.5	191	7.7	195.3	4.9	126	3.1	80
4	100	4.5	114.5	5.0	127.0	13.5	344	0.94	24.0	1.00	26	9.0	229	9.1	232.0	6.0	153	3.9	100
6	150	5.3	133.5	5.7	146.0	17.4	441	1.00	25.4	1.06	27	11.0	279	11.1	282.5	8.1	206	5.9	150
8	200	5.7	146.0	5.7	146.0	20.8	529	1.13	28.6	1.12	28	13.5	343	13.4	339.6	10.3	261	7.9	200
10	250	6.5	165.0	6.5	165.0	24.2	614	1.19	30.2	1.18	30	16.0	406	15.6	396.8	12.3	313	9.8	250
12	300	7.0	178.0	7.0	178.9	27.6	700	1.25	31.8	1.25	32	19.0	483	17.9	454.2	14.4	367	11.8	300

Size		Dimensions G		H		I		Flanged B.C.		MJ B.C.		No. holes	No. holes	Turns	Weight	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Flanged	M-Joint	to Open	Lbs.	Kg.
3	80	2.1	54	10.2	260	1.73	44	6.00	152	6.19	157	4	4	10.8	43	20
4	100	2.1	54	10.2	260	2.13	54	7.50	191	7.50	191	8	4	13.0	70	36
6	150	2.5	64	14.8	375	2.24	57	9.50	241	9.50	241	8	6	15.7	112	51
8	200	2.8	70	14.8	375	2.48	63	11.75	298	11.75	298	8	6	17.3	170	77
10	250	2.8	70	15.7	400	2.56	65	14.25	362	14.00	356	12	8	21.4	267	121
12	300	3.4	86	19.7	500	2.91	74	17.01	432	16.25	413	12	8	25.3	388	176

FREEZING WEATHER PRECAUTIONS: Subsequent to testing a piping system, valves should be left in an open position to allow complete drainage.

END CONNECTIONS

A-1	Center to face on Flanged end
A-2	Center to face on MJ end
B	Center to top of stem
C-1	Flange thickness on Flanged end
C-2	Flange thickness on MJ end
D-1	Flange O.D. on Flanged end
D-2	Flange O.D. on MJ end
E	O-ring groove diameter or MJ end
F	Waterway diameter
G	Boss diameter on Flanged end
H	Handwheel diameter
I	Face to center of boss on Flanged end

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 and other equivalent state regulations.