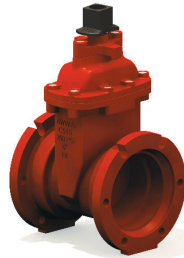


AWWA C515-09 Resilient Seat GATE VALVES

Model 2010-Series B 2"~12"



MATERIAL LIST

No.	Description	Material
1	Body	Ductile Iron ASTM A536 65-45-12
2	Wedge	Ductile Iron (encapsulated NBR)
3	Wedge Nut	Bronze C86500 (C95200 available for Seawater)
4	Stem	Stainless Steel AISI 304 (S316 available for Seawater)
5	Bonnet	Ductile Iron ASTM A536 65-45-12
6	Wedge Nut Gasket	NBR/EPDM
7	Stem Bushing	Nylon/Brass ASTM B124 C37700
8	O-ring	NBR/EPDM
9	Gland	Ductile Iron ASTM A536 65-45-12
10	Handwheel/Operating Nut	Ductile Iron ASTM A536 65-45-12
11	Bonnet Gasket	NBR/EPDM
12	Bonnet/Gland Bolt	Stainless Steel AISI 304
13	Debris Cap	NBR/EPDM
14	Handwheel/Op. Nut Bolt	Stainless Steel AISI 304

Design and materials are subject to change without notice.

Available:
Flange x Flange
MJ x MJ

Features:

1. Conforms to AWWA C515-09
2. MJ dimensions conform to AWWA C153
3. Flange drilling to ANSI 125/150. Metric PN10/PN16 drilling is available upon request
4. Fusion Bond Epoxy Coated Interior and Exterior, AWWA C550. Epoxy Powder Certified to NSF-61
5. 2" Square Operating Nut provided. Color coded black. (open right valves provided with RED operating nuts)
6. Compatible with all industry standard Vertical Indicator Posts (NFPA 24)
7. Working Pressure:

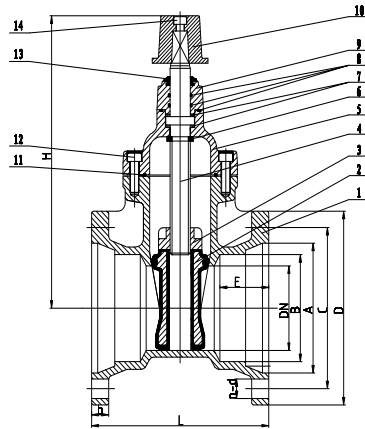
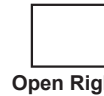
Flanged:

UL rated working pressure: 2-1/2"~20" - 250 psi
FM rated working pressure: 2"~16" - 250 psi

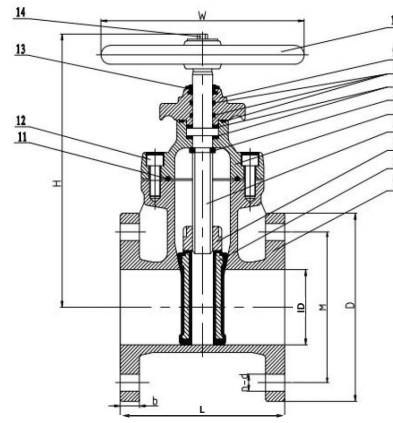
Mechanical Joint:

UL rated working pressure: 3"~20" - 250 psi
FM rated working pressure: 2"~16" - 250 psi

8. Temperature: -20°C (-4°F) to 85°C (185°F)



MJ x MJ



Flange x Flange

DIMENSIONAL DATA

Dimensions in inches

Nominal Size	Part No. (MJ x MJ)	L	H	C	D	b	n-d	A	E	B	Part No. (Flange x Flange)	ID	L	H	M	D	n-d	b	W	Turns to Open
2"	-	-	-	-	-	-	-	-	-	-	2010-B-FF-120	2"	7	9.6	4.7	6	4-0.75	0.63	7	6.5
2-1/2"	-	-	-	-	-	-	-	-	-	-	2010-B-FF-125	2-1/2"	7.5	10.2	5.5	7	4-0.75	0.7	7	8.5
3"	2010-B-MM-130	8	11.14	6.19	8	0.75	4-0.75	4.94	2.50	4	2010-B-FF-130	3"	8	10.8	6	7.5	4-0.75	0.75	8	10
4"	2010-B-MM-140	9	13.82	7.50	9	0.75	4-0.88	6.02	2.50	5	2010-B-FF-140	4"	9	13.1	7.5	9	8-0.75	0.75	10	14
6"	2010-B-MM-160	10.50	17.83	9.50	11	0.75	6-0.88	8.13	2.50	7	2010-B-FF-160	6"	10.5	16.9	9.5	11	8-0.86	0.75	12	18.5
8"	2010-B-MM-180	11.50	22	11.63	13	0.87	6-0.88	10.28	2.50	9.15	2010-B-FF-180	8"	11.5	21	11.8	13.5	8-0.86	0.87	14	24.5
10"	2010-B-MM-200	13	26.30	14	12	0.94	8-0.88	12.34	2.50	11.20	2010-B-FF-200	10"	13	25.4	14.3	16	12-1	0.93	16	30.5
12"	2010-B-MM-220	14	29.65	16.26	18	1	8-0.88	14.45	2.50	13.31	2010-B-FF-220	12"	14	28.9	17	19	12-1	1	20	36.5



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

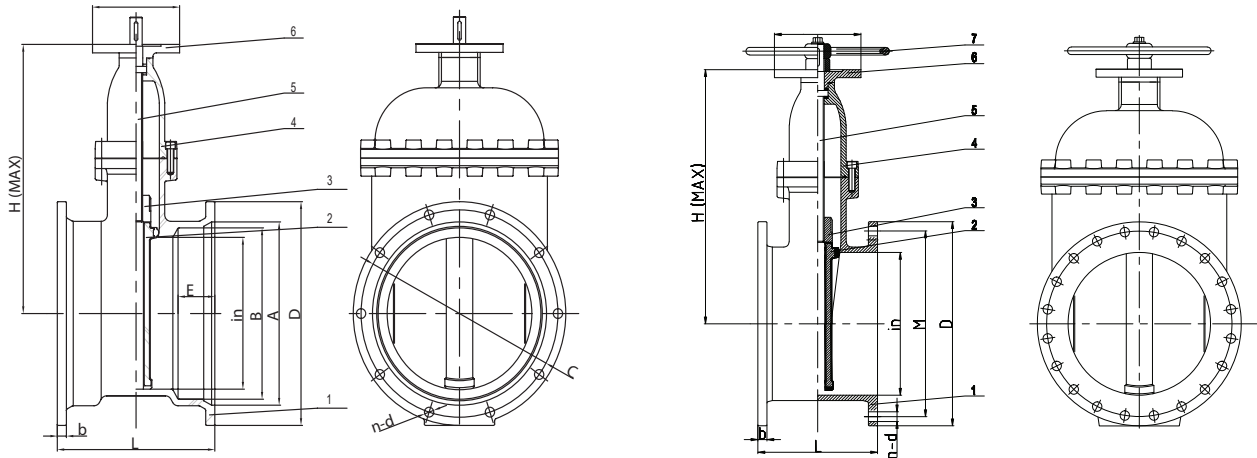


United Water Products
8710 Air Park West Drive, Charlotte, NC 28214
TEL. 401-250-3800
Website: www.unitedwaterproducts.com

**AWWA C515-09
Resilient Seat
GATE VALVES**

**Model 2010-Series B
14"~24"**

UNITED



Available:
MJ x MJ
Flange x Flange

Options:
1. Handwheel
2. 2" Operating Nut
3. Manual Gear Operator

Features:

- Conforms to AWWA C515, MSS-SP-70 & MSS-SP-128
- Fusion Bond Epoxy Coated Interior and Exterior, AWWA C550 Epoxy Powder Certified to NSF-61
- ISO 5211 Top Flange - ready to mount manual gear operator, motorized actuator, or post indicator flange
- Temperature: 2°C (35°F) to 82°C (180°F)
- Flanged:**
UL rated working pressure: 2-1/2"~20" - 250 psi
FM rated working pressure: 2"~16" - 250 psi
- Mechanical Joint:**
UL rated working pressure: 3"~20" - 250 psi
FM rated working pressure: 2"~16" - 250 psi
- Flanged ends conform with ANSI B16.1 Class 125 Flat Faced

MATERIAL LIST

Item No.	Description	Material/Specification
1	Body	Ductile Iron, ASTM A536 65-45-12
2	Wedge/Gate	NBR
3	Gate (Stem) Nut	Bronze ASTM B62 (C83600)
4	Bonnet	Ductile Iron, ASTM A536 65-45-12
5	Stem	431 Stainless Steel
6	Top Flange ISO 5211	Ductile Iron, ASTM A536 65-45-12

Design and materials are subject to change without notice.

DIMENSIONS (MJ)

Nominal Size	Part No.	L	H	C	D	n-d	b	A	E	B	ISO Flange	Max. Closing Torque	Turns to Open
14"	2010-B-MM-240	15.00	36.14	18.75	20.59	10 - 7/8	1.00	16.56	3.50	15.45	F16	13.78	45
16"	2010-B-MM-260	16.00	38.39	21.00	22.83	12 - 7/8	1.00	18.66	3.50	17.55	F16	15.75	51
18"	2010-B-MM-280	17.00	42.01	23.25	25.12	12 - 7/8	1.00	20.75	3.50	119.65	F16	17.72	57.5
20"	2010-B-MM-300	18.00	47.20	25.50	27.36	14 - 7/8	1.13	22.85	3.50	21.75	F16	19.69	43
24"	2010-B-MM-340	20.00	53.66	30.00	31.89	16 - 7/8	1.19	27.05	3.50	25.94	F16	23.62	51.5

DIMENSIONS (Flanged)

Nominal Size	Part No.	L	H	M	D	n-d	b	ISO Flange	Max. Closing Torque	Turns to Open
14"	2010-B-FF-240	15.00	35.75	18.74	20.98	12 - 1-1/8	1.00	F16	13.78	45
16"	2010-B-FF-260	16.00	37.99	21.24	23.50	16 - 1-1/8	1.00	F16	15.75	51
18"	2010-B-FF-280	17.00	41.61	22.76	25.00	16 - 1-1/4	1.00	F16	17.72	57.5
20"	2010-B-FF-300	18.00	46.85	25.00	27.52	20 - 1-1/4	1.13	F16	19.69	43
24"	2010-B-FF-340	20.00	53.66	29.51	32.01	20 - 1-3/8	1.19	F16	23.62	51.5



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



United Water Products
8710 Air Park West Drive, Charlotte, NC 28214
TEL. 401-250-3800
Website: www.unitedwaterproducts.com