



VALVE &
HYDRANT

R-USP2 RESILIENT WEDGE GATE VALVE

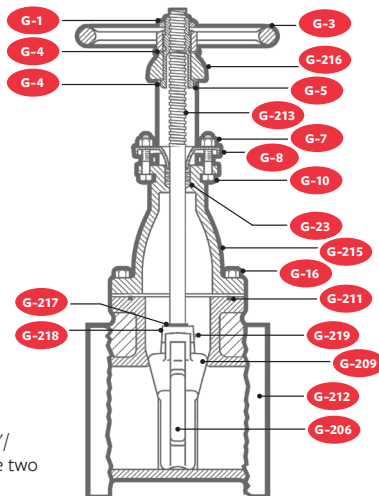
OS&Y: 4" - 12"/DN100 - DN300

PRODUCT FEATURES

- Outside Screw & Yoke (OS&Y).
- Iron Body, Bonnet, and Yoke.
- Mueller Pro-Gard® Fusion Bonded Epoxy Coating covers all cast surfaces inside and out – 10 mils (250 µ) nominal. Meets requirements of AWWA/ANSI C550.
- Meets requirements of AWWA/ANSI C515 and is certified to ANSI/NSF 61 & 372.
- Iron wedge, symmetrical and fully encapsulated with molded rubber; no exposed iron.
- Polymer cap bearings on wedge guides resist wear and provide easy operation.
- Bi-directional flow.
- 10-year limited warranty.
- Working Pressure: 350psig/24barg; Test Pressure: 700psig/48barg.
- 2"/DN50, 2½"/DN65 & 3"/DN80 are available as the R-USP1, which meets the requirements of both C-509 and C-515.
- UL 262 listed, FM 1120/1130 approved.
- End connections: Flange ANSI B16.1, Class 125 and ANSI B16.42, Class 150 Flat Face. Optional PN10, PN16 drilling.



Image shown with 4" & 6"/DN100 & DN150 bonnet/yoke combo. 8" - 12"/DN200 - DN300 bonnet and yoke are two pieces. Contact us for option details.



PARTS LIST

ID	PART NAME	MATERIAL
G-1	Cap Nut	Bronze ASTM B62
G-3	Hand Wheel	Ductile Iron ASTM A536 (See Note 1)
G-4	Washer	Brass ASTM B62
G-5	Bush Nut	Bronze ASTM B62
G-7	Gland Nut	Bronze ASTM B98
G-8	Packing Gland	Ductile Iron ASTM A536 (See Note 1)
G-10	Gland Bolts	316 Stainless Steel ASTM F593
G-16	Bonnet Bolts and Nuts	316 Stainless Steel ASTM F593 (bolt)/F594 (nut)
G-23	Stem Packing**	Lubricated Flax
G-206	Guide Cap Bearings	Acetal
G-209	Wedge	Rubber Encapsulated Ductile Iron (See Note 2) SBR ASTM A536 (See Note 1)/ASTM D2000
G-211	Bonnet O-Ring	Nitrile ASTM D2000
G-212	Body	Ductile Iron ASTM A536 (See Note 1)
G-213	Stem	Bronze ASTM B138
G-215*	Bonnet	Ductile Iron ASTM A536 (See Note 1)
G-216*	Yoke	Cast Iron ASTM A536 (See Note 1)
G-217	O-Ring	Nitrile ASTM D2000
G-218	Disc Nut	Bronze ASTM B584
G-219	Stem Nut Pin	304 Stainless Steel

*Two-piece bonnet & yoke.

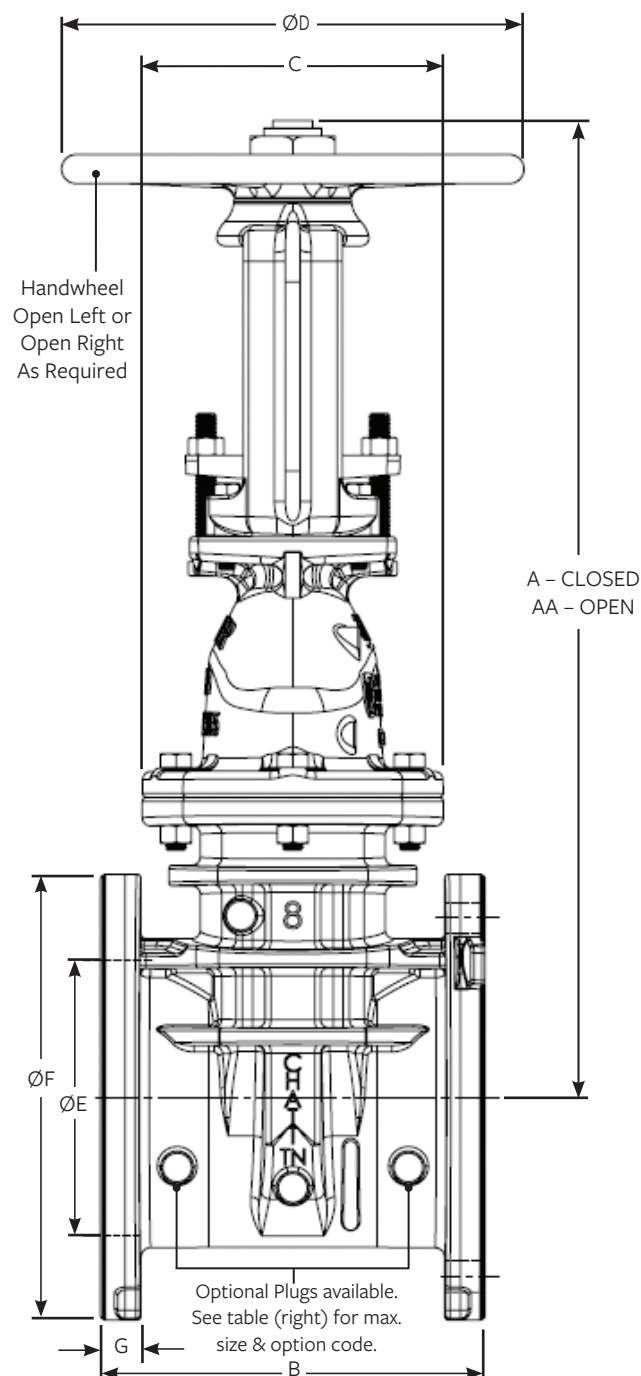
Notes:

1. Material strength ASTM A536 65 - 45 minimum.
2. Fully encapsulated in molded rubber with no iron exposed.

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**STEM PACKING INFORMATION

Valve Size	4"/DN100	6"/DN150	8"/DN200	10"/DN250	12"/DN300
Part No./Quantity	176477/4	170712/4	175937/4	175975/4	170749/3
Size - inches (mm)	1/4 (6) x 4 1/4 (108)	5/16 (8) x 4 3/4 (121)	5/16 (8) x 5 1/8 (130)	5/16 (8) x 5 1/2 (133)	3/8 (10) x 6 3/8 (161)



DIMENSIONS – INCHES (MM)

VALVE SIZE	A-CLOSED	AA-OPEN	B	C*
4"/DN100	19.00 (483)	23.68 (601)	9.00 (229)	10.79 (274)
6"/DN150	24.50 (622)	31.38 (797)	10.50 (267)	13.50 (343)
8"/DN200	29.50 (749)	38.50 (978)	11.50 (292)	16.36 (416)
10"/DN250	35.75 (908)	47.00 (1194)	13.00 (330)	19.99 (508)
12"/DN300	40.50 (1028)	53.50 (1359)	14.00 (356)	21.00 (533)

VALVE SIZE	ØD	ØE THRU Ø	ØF	G
4"/DN100	10.00 (254)	4.31 (109)	9.00 (229)	0.94 (24)
6"/DN150	12.00 (305)	6.30 (160)	11.00 (279)	1.06 (27)
8"/DN200	14.00 (356)	8.30 (211)	13.50 (343)	1.19 (30)
10"/DN250	16.00 (406)	10.30 (262)	16.00 (406)	1.25 (32)
12"/DN300	16.00 (406)	12.30 (312)	19.00 (483)	1.31 (33)

*C dimension is the overall width of the bonnet flange.

OPTIONAL PLUGS

VALVE SIZE	R-USP2 MAX. TAP SIZE	OPTION NO.	TAP SIZE
4"/DN100	3/4" (19)	0008	1/2" (13)
6"/DN150	1" (25)	0054	3/4" (19)
8"/DN200	1 1/4" (32)	0062	1" (25)
10"/DN250	1 1/4" (32)	0355	1 1/4" (32)
12"/DN300	2" (50)	0070	1 1/2" (38)
		0366	2" (50)

WEIGHT - LB. (KG)

Valve Size	4"/DN100	6"/DN150	8"/DN200	10"/DN250	12"/DN300
Weight	120 (54)	181 (82)	287 (130)	448 (203)	596 (270)

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