



VALVE &  
HYDRANT

# A-USP1 RESILIENT WEDGE GATE VALVE

## NRS: 2" – 12"/DN50 – DN300

### PRODUCT FEATURES

- Non-Rising Stem (NRS).
- 2" square Operating Nut (optional Handwheel).
- All Ductile Iron Body and Bonnet.
- Mueller Pro-Gard® Fusion Bonded Epoxy Coating – 10 mil (250 µm) nominal. Meets requirements of AWWA/ANSI C550.
- Meets requirements of AWWA/ANSI C515 and is certified to ANSI/NSF 61 & 372.
- Antifriction washer above and below thrust collar.
- 316 Stainless Steel, Bonnet and Stuffing Box Bolts and Nuts.
- Ductile Iron Wedge, symmetrical and fully encapsulated with molded rubber; no exposed iron – Acetal Caps on guides ease operation and avoid wear.
- 10-year limited warranty.
- Working Pressure: 350 psig/24 barg; Test Pressure: 700 psig/48 barg.
- 2"/DN50 – 12"/DN300, FM 1120/1130 approved.
- 2½"/DN65 – 12"/DN300 UL 262 listed, UL does not list 2" NRS valves.
- Flange End drilling meets: ANSI B16.1, Class 125 and ANSI B16.42, Class 150 Flat Face. Optional PN10, PN16 drilling. Mechanical Joint also available.

### PARTS LIST

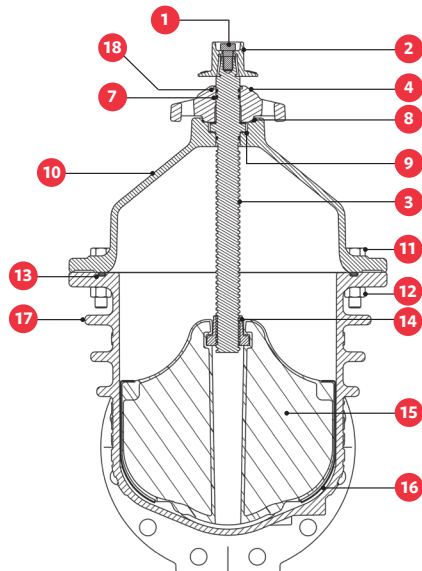
ID	PART NAME	MATERIAL
1	Cap Screw	316 Stainless Steel ASTM F593
2	Wrench Nut	Ductile Iron ASTM A536
3	Stem	Bronze ASTM B138 Alloy C67600
4	Stuffing Box	Ductile Iron ASTM A536
5	Stuffing Box Bolts	316 Stainless Steel ASTM F593
6	Stuffing Box Nuts	316 Stainless Steel ASTM F594
7	O-Ring	Rubber ASTM D2000
8	O-Ring (Stuffing Box Area)	Rubber ASTM D2000
9	Anti-Friction Washer	Acetal
10	Bonnet	Ductile Iron ASTM 536
11	Bonnet Bolts	316 Stainless Steel ASTM F593
12	Bonnet Nuts	316 Stainless Steel ASTM F594
13	Bonnet Gasket (O-Ring)	Rubber ASTM D2000
14	Disc Nut	Bronze ASTM B584 Alloy C89833
15	Disc	(See Note 1)
16	Guide Cap	Acetal
17	Body-Flange Ends	Ductile Iron ASTM 536
18	Wiper Ring	Polyurethane ASTM D412/D624

#### Notes:

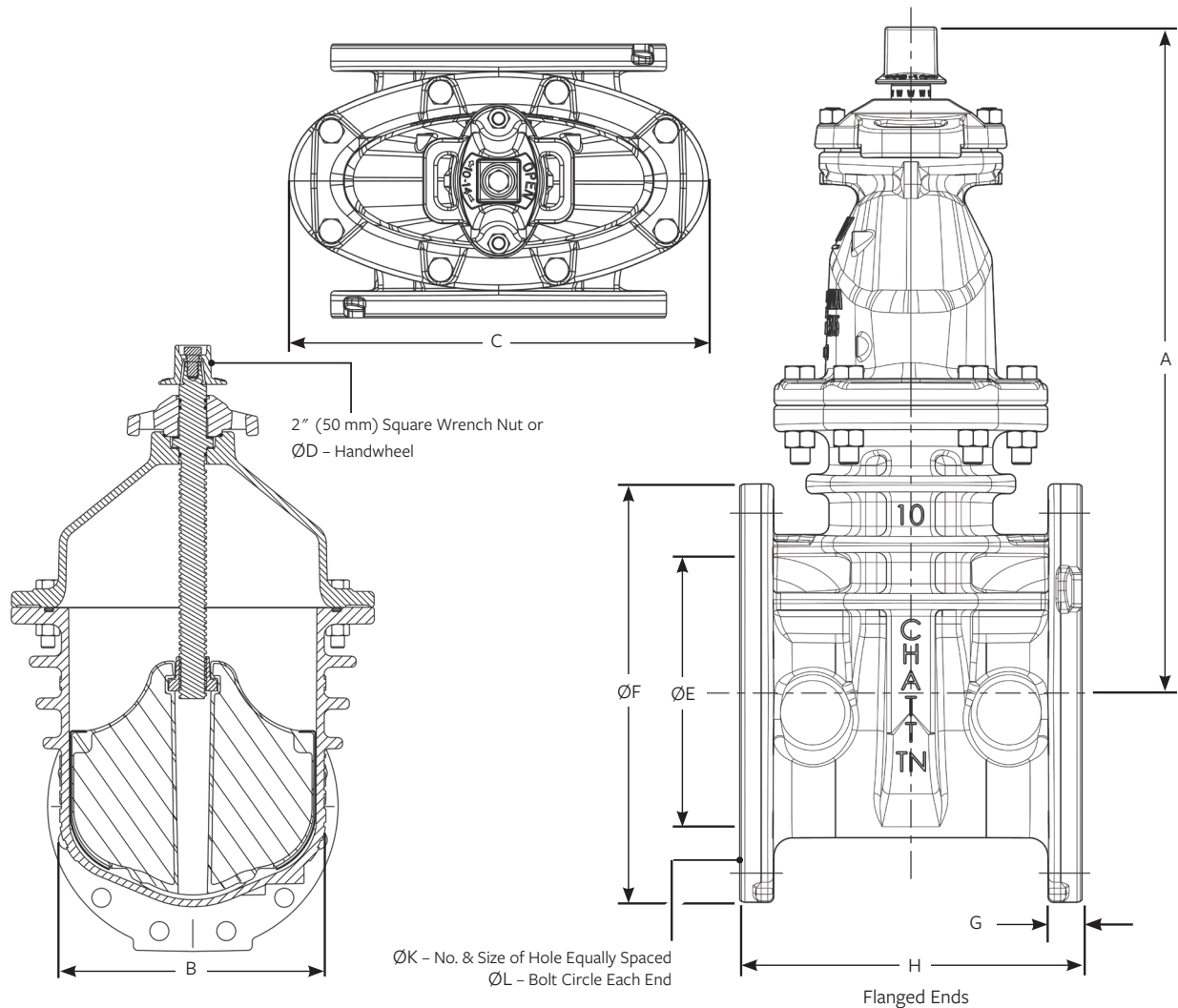
1. 2" – 12"/DN50 – DN300 Rubber Encapsulated Ductile Iron Disc Rubber – EPDM ASTM D2000.
2. 2" – 3"/DN50 – DN80 valves also meet AWWA C509.
3. 2" & 2½"/DN50 – DN65 valves are model USP2.



6"/DN150 shown



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## DIMENSIONS – INCHES (MM)

VALVE SIZE	A	B	C	ØD	ØE	ØF	G	H	NO. - ØK	ØL
2"/DN50	9.88 (251)	4.77 (121)	7.02 (178)	6.00 (152)	2.30 (58)	6.00 (152)	0.69 (18)	7.00 (178)	4 - 0.75 (19)	4.75 (121)
2½"/DN65	12.38 (314)	6.01 (153)	8.63 (219)	8.00 (203)	2.80 (71)	7.00 (178)	0.75 (19)	7.50 (191)	4 - 0.75 (19)	5.50 (140)
3"/DN80	12.38 (315)	6.00 (150)	8.63 (220)	8.00 (200)	3.30 (84)	7.50 (191)	0.80 (20)	8.00 (200)	4 - 0.75 (19)	6.00 (150)
4"/DN100	14.19 (360)	7.75 (210)	10.79 (274)	11.00 (279)	4.30 (109)	9.00 (229)	1.03 (26)	9.00 (229)	8 - 0.75 (19)	7.50 (191)
6"/DN150	18.00 (457)	9.97 (267)	13.50 (343)	13.00 (330)	6.30 (160)	11.00 (279)	1.07 (27)	10.50 (267)	8 - 0.88 (22)	9.50 (241)
8"/DN200	21.50 (546)	12.60 (336)	16.36 (416)	14.00 (356)	8.30 (211)	13.50 (343)	1.19 (30)	11.50 (292)	8 - 0.88 (22)	11.75 (298)
10"/DN250	25.50 (648)	16.48 (419)	19.99 (508)	16.00 (406)	10.30 (262)	16.00 (406)	1.29 (33)	13.00 (330)	12 - 1.00 (25)	14.25 (362)
12"/DN300	28.62 (727)	16.83 (427)	21.00 (533)	16.00 (406)	12.30 (312)	19.00 (483)	1.35 (34)	14.00 (356)	12 - 1.00 (25)	17.00 (432)

Valve Size	2"/DN50	2½"/DN65	3"/DN80	4"/DN100	6"/DN150	8"/DN200	10"/DN250	12"/DN300
Wt-lb (kg)*	40 (18)	62 (28)	83 (38)	120 (54)	186 (84)	280 (127)	405 (184)	540 (245)
No. of Turns	8	11	11	14	20.5	26.5	33	38.5

\*Flanged

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