



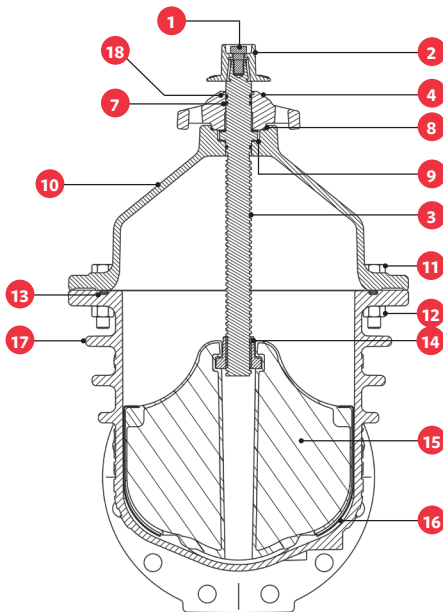
VALVE &
HYDRANT

A-USP1 RESILIENT WEDGE GATE VALVE

NRS: 2" – 12"/DN80 – DN300 Groove x Groove/Flange x Groove ends

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: 350psig/24barg;
Test Pressure: 700psig/48 barg.
- UL 262 listed; FM 1120/1130 approved.
- Flange end drilling meets:
ANSI B16.1,
Class 125 and
ANSI B16.42,
Class 150 Flat
Face. Optional
PN10, PN16
drilling.
- Groove end
complies with
AWWA C606.



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 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. 3" – 12"/DN80 – DN300 Rubber Encapsulated Ductile Iron Disc Rubber – SBR ASTM D2000.
2. 2" & 2½"/DN50 & DN65 are available as model A-USP2.

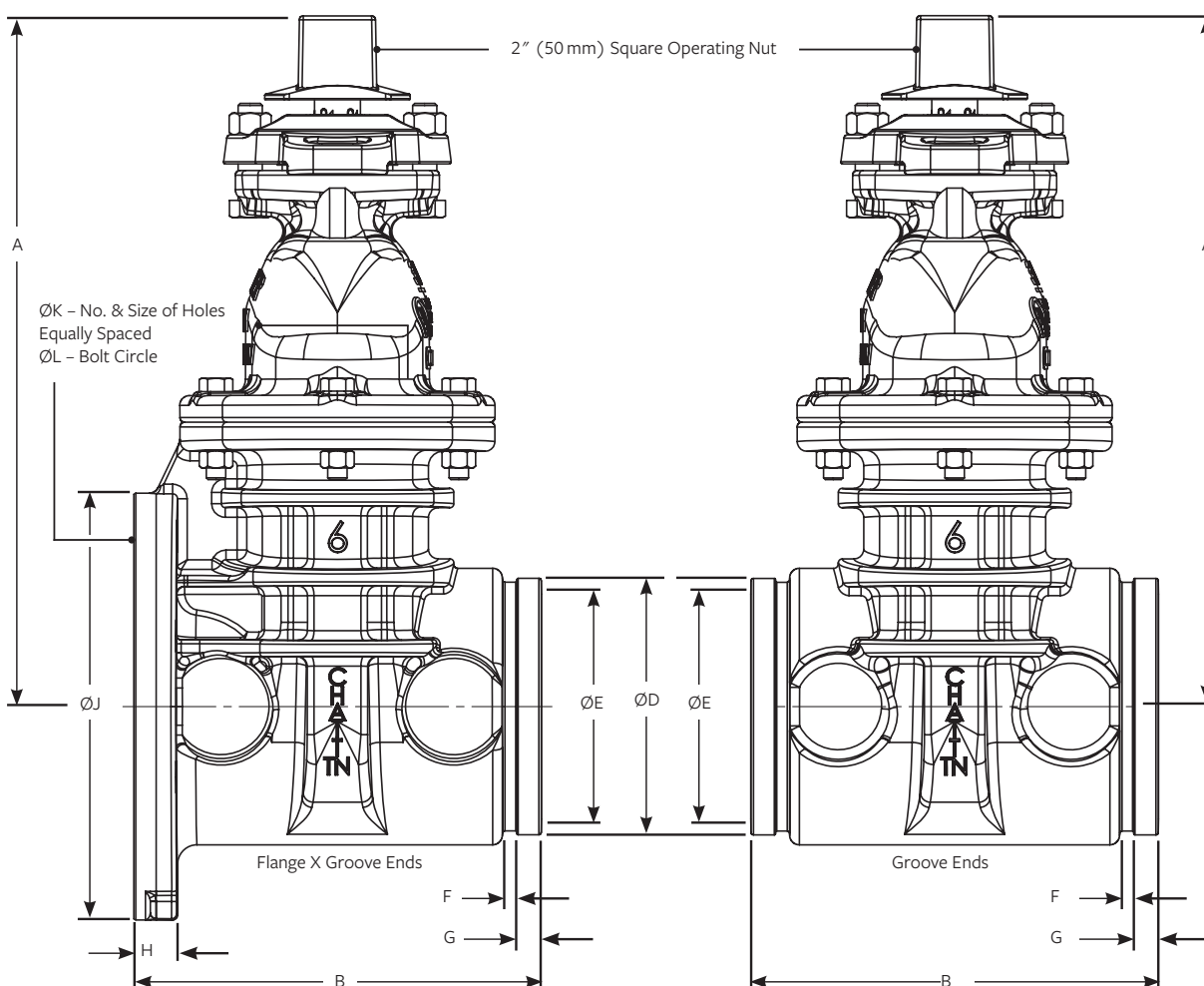


FLANGE X GROOVE ENDS



GROOVE ENDS

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DIMENSIONS – INCHES (MM)

VALVE SIZE	A	B	C*	ØD	ØE	F	G	H	ØJ	NO. - ØK	ØL	NO. OF TURNS
2"/DN50	9.88 (251)	7.00 (178)	7.00 (178)	2.38 (60)	1.56 (40)	0.34 (9)	0.63 (16)	0.69 (18)	6.00 (152)	4 - 0.63 (16)	4.75 (121)	8.0
2½"/DN65	12.38 (314)	7.50 (191)	8.63 (219)	2.88 (73)	1.97 (50)	0.34 (9)	0.63 (16)	0.75 (19)	7.00 (178)	4 - 0.75 (19)	5.50 (140)	11.0
3"/DN80	12.38 (314)	8.00 (203)	8.63 (219)	3.50 (89)	2.63 (67)	0.34 (9)	0.63 (16)	0.81 (21)	7.50 (191)	4 - 0.75 (19)	6.00 (152)	11.0
4"/DN100	14.19 (360)	9.00 (229)	10.79 (274)	4.50 (114)	3.75 (95)	0.34 (9)	0.63 (16)	1.00 (25)	9.00 (229)	8 - 0.75 (19)	7.50 (191)	14.0
6"/DN150	18.00 (457)	10.50 (267)	13.50 (343)	6.63 (168)	5.80 (147)	0.34 (9)	0.63 (16)	1.06 (27)	11.00 (279)	8 - 0.88 (22)	9.50 (241)	20.5
8"/DN200	21.50 (546)	11.50 (292)	16.36 (416)	8.63 (219)	7.67 (195)	0.47 (12)	0.75 (19)	1.19 (30)	13.50 (343)	8 - 0.88 (22)	11.75 (298)	26.5
10"/DN250	25.50 (648)	13.00 (330)	19.99 (508)	10.75 (273)	9.80 (249)	0.47 (12)	0.75 (19)	1.25 (32)	16.00 (406)	12 - 1.00 (25)	14.25 (362)	33.0
12"/DN300	28.62 (727)	14.00 (356)	21.00 (533)	12.75 (324)	11.80 (300)	0.47 (12)	0.75 (19)	1.31 (33)	19.00 (483)	12 - 1.00 (25)	17.00 (432)	38.5

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

WEIGHT – LB. (KG)

Valve Size	2"/DN50	2½"/DN65	3"/DN80	4"/DN100	6"/DN150	8"/DN200	10"/DN250	12"/DN300
Gr x Gr	37 (17)	44 (20)	48 (22)	64 (29)	114 (52)	163 (74)	247 (112)	315 (143)
Fl x Gr	41 (19)	50 (23)	56 (25)	75 (34)	129 (59)	190 (86)	278 (126)	370 (168)

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