



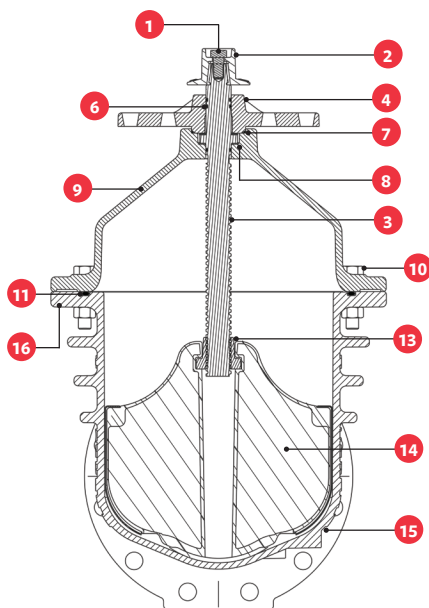
VALVE &
HYDRANT

P-USP1 RESILIENT WEDGE GATE VALVE

NRS – PIV: 4" – 12"/DN100 – DN300 Groove x Groove/Flange x Groove ends

PRODUCT FEATURES

- Non-Rising Stem (NRS), Post Indicator Valve (PIV).
- Ductile Iron Body, Bonnet and Post Indicator Flange.
- Mueller Pro-Gard® Fusion Bonded Epoxy Coating inside and out cover all cast surfaces – 10 mils (250 µm) nominal. Meets requirements of AWWA/ANSI C550.
- Meets requirements of AWWA/ANSI C515 and is certified to ANSI/NSF 61 & 372.
- Ductile Iron wedge, symmetrical & fully encapsulated with molded rubber; no exposed iron.
- Polymer cap bearing on wedge guides resist wear and provide easy operation.
- Three stem O-rings seal in lubricant – two above thrust collar, one below.
- Polymer anti-friction washers – one above and one below thrust collar reduce operating torque.
- Bi-directional flow.
- 10-year limited warranty.
- Working Pressure: 350psig/24barg; Test Pressure: 700psig/48barg.
- 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.
- Groove end complies with AWWA C606.



PARTS LIST

ID	PART NAME	MATERIAL
1	Cap Screw	316 Stainless Steel (See Note 2)
2	Operating Nut	Ductile Iron ASTM A536
3	Stem	Bronze ASTM B138 (C67600)
4	Stuffing Box	Ductile Iron ASTM A536
5	Stuffing Box Bolts/Nuts	316 Stainless Steel (See Note 2)
6	O-Ring	NBR ASTM D2000
7	O-Ring	NBR ASTM D2000
8	Anti-Friction Washer	Acetal
9	Bonnet	Ductile Iron ASTM A536
10	Bonnet Bolts/Nuts	316 Stainless Steel (See Note 2)
11	Bonnet Gasket (O-Ring)	NBR ASTM D2000
13	Wedge Nut	Bronze ASTM B584
14	Wedge	(See Note 1)
15	Guide Cap	Acetal
16	Body	Ductile Iron ASTM A536

Notes:

1. Rubber-encapsulated Ductile Iron Disc, Rubber – SBR ASTM D2000, Ductile Iron ASTM A536.
2. Bonnet Bolts – ASTM F593 Group 2-SH.
Nuts – ASTM F594 Group 2-CW.
Cap Screw and Stuffing Box Bolts – ASTM F593 Group 2-CW.

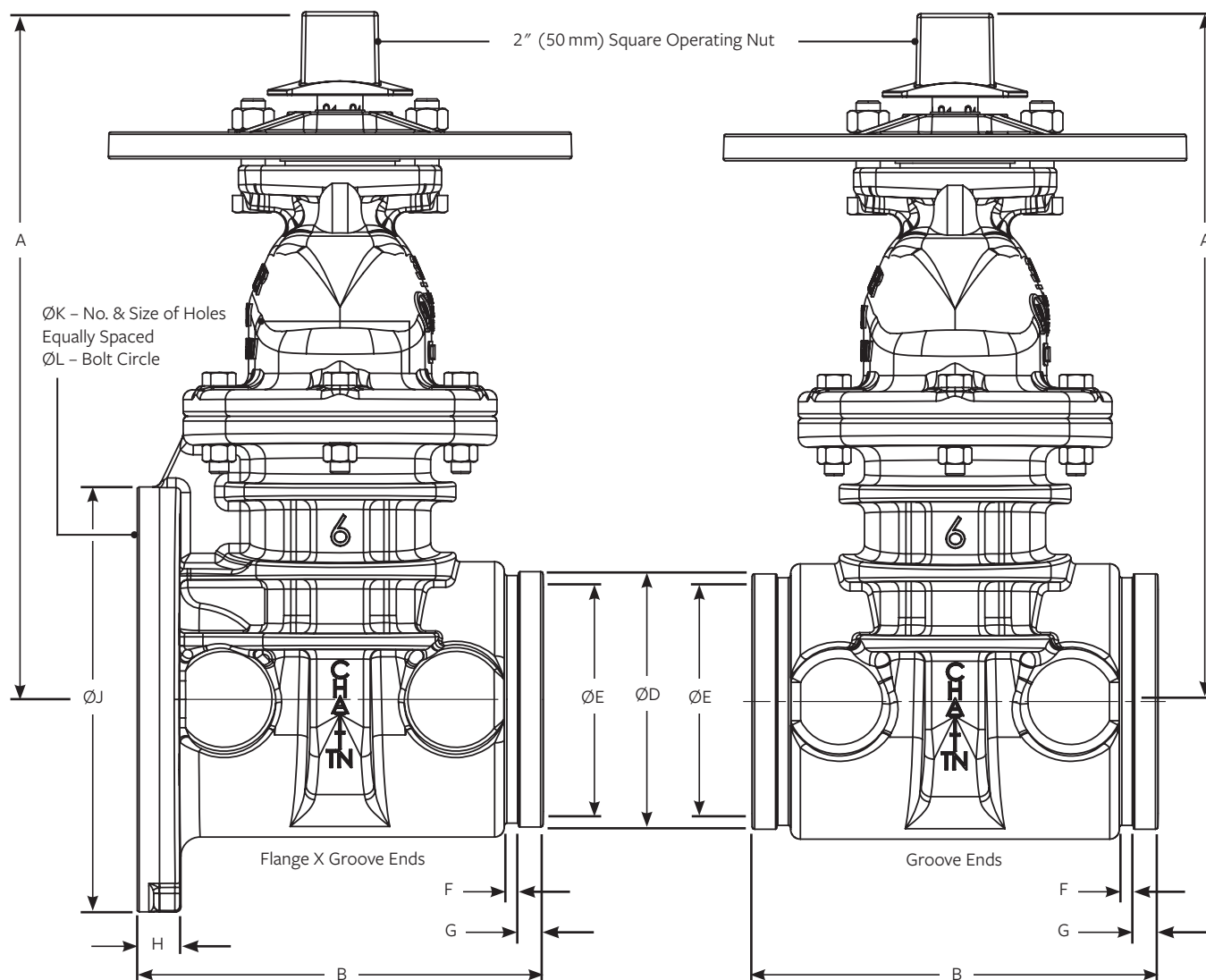


Flange X Groove Ends



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
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 (148)	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

WEIGHT – LB. (KG)

Valve Size	4"/DN100	6"/DN150	8"/DN200	10"/DN250	12"/DN300
Gr x Gr	79 (36)	129 (59)	178 (81)	262 (119)	330 (150)
Fl x Gr	90 (41)	144 (65)	205 (93)	293 (133)	385 (175)

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