



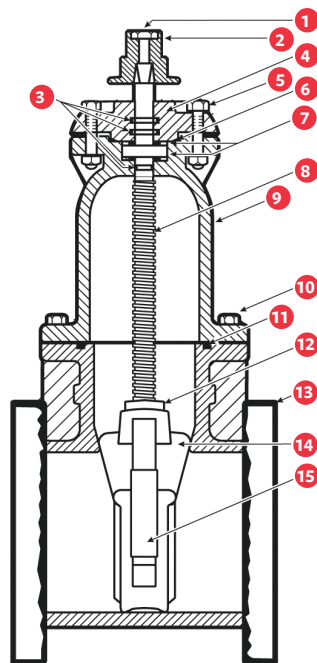
VALVE &  
HYDRANT

# A-USP1 RESILIENT WEDGE GATE VALVE

## NRS: 14" – 24"/DN350 – DN600

### PRODUCT FEATURES

- Non-Rising Stem (NRS).
- Meets requirements of AWWA C515 and is certified to ANSI/NSF 61 & 372.
- 2" square Operating Nut (optional Handwheel).
- 14" – 24"/DN350 – DN600. Larger valves through 54"/DN1350 also available.
- All Ductile Iron Body and Bonnet.
- Fusion Bonded Epoxy Coating – 10 mil (250 µm) nominal, meets requirements of AWWA C550.
- Manganese Bronze Stem.
- Antifriction washer above and below thrust collar.
- 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.
- UL 262 listed, FM 1120/1130 approved.
- Pressure rating: 14" & 16"/DN350 & DN400 AWWA/UL/FM rating 250psig/17barg; 18" – 24"/DN450 – DN600 AWWA rating 250psig/17 barg, UL rating 175psig/12barg, FM approved 250psig/17barg.
- Flange End drilling meets: ANSI B16.1 Class 125 Flat Face and ANSI B16.42 Class 150 Flat Face (PN16 available in sizes 14" & 16"/DN350 & DN400 only).



### PARTS LIST

ID	PART NAME	MATERIAL
1	Wrench Nut	Cast Iron* ASTM A126 CL.B
2	Wrench Nut Cap Screw	316 Stainless Steel
3	Stem O-Rings	Nitrile ASTM D2000 (See Note 1)
4	Stuffing Box	Ductile Iron ASTM A536**
5	Stuffing Bolts	316 Stainless Steel
	Stuffing Nuts	Carbon Steel ASTM A563
6	Stuffing Box O-Ring	Nitrile ASTM D2000 (See Note 1)
7	Anti Friction Washers	Brass
8	Stem	Bronze 14" & 16"/DN350 & DN400 ASTM B138 (C67600) 18"-24"/DN450-DN600 ASTM B584 (C86400)
9	Bonnet	Ductile Iron ASTM A536**
10	Bonnet Bolts	316 Stainless Steel
	Bonnet Nuts	316 Stainless Steel
11	Bonnet O-Ring	Nitrile ASTM D2000 (See Note 1)
12	Stem Nut	Bronze ASTM B62
13	Body	Ductile Iron ASTM A536**
14	Wedge	Ductile Iron ASTM A536** (See Note 2)
15	Guide Cap Bearings	Acetal
16	Hand Wheel (not shown)	Cast Iron* ASTM A126 CL.B

\*Manufacturers option to change to Ductile Iron ASTM A536.

\*\*ASTM A536 Ductile Iron Grade 65-45-12 (minimum strength).

#### Notes:

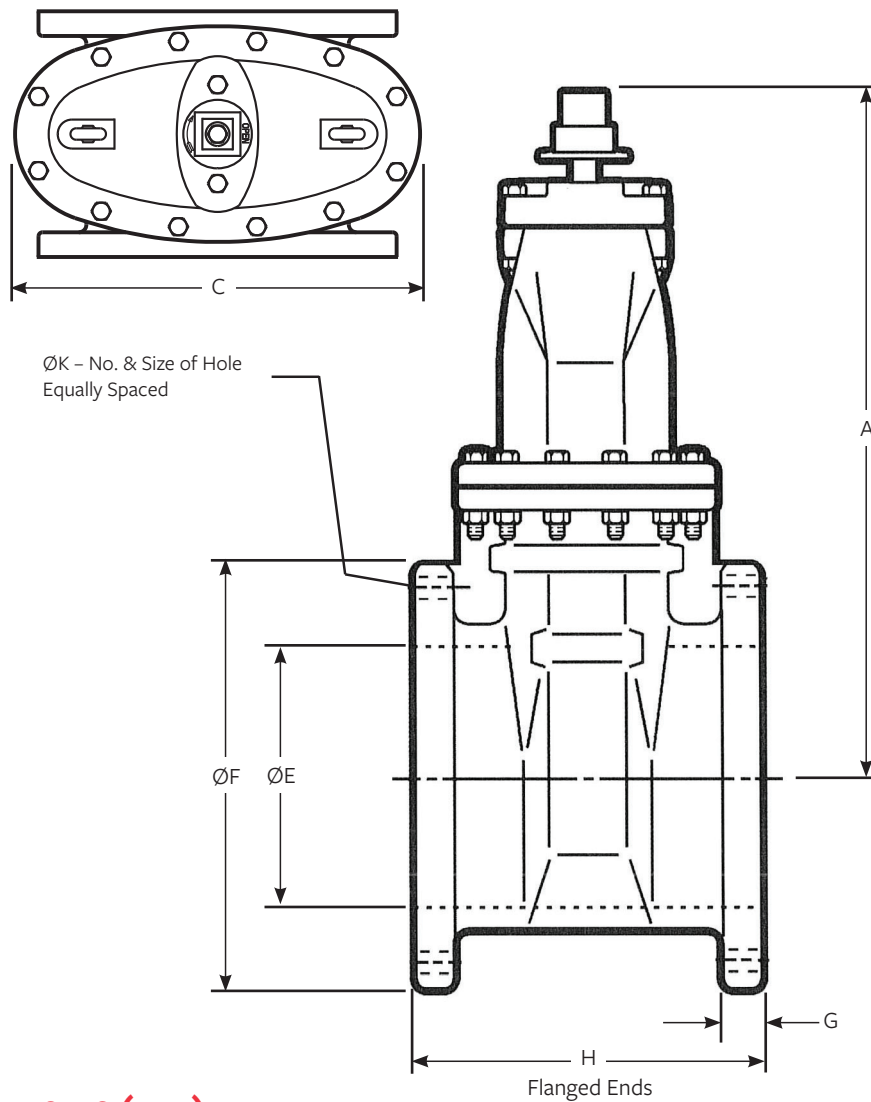
1. 14" & 16"/DN350 & DN400 are Nitrile; 18"-24"/DN450-DN600 are EPDM.

2. Fully encapsulated in molded rubber with no iron exposed. 14" & 16"/DN350 & DN400 are SBR; 18" – 24"/DN450 – DN600 are EPDM.



24"/DN600 shown

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## DIMENSION - INCHES (MM)

VALVE SIZE	A	C	ØE	ØF	G	H	NO. - ØK
14"/DN350	32.75 (832)	24.92 (633)	14.38 (365)	21.00 (533)	1.00 (25)	15.06 (383)	12 - 1.12 (28)
16"/DN400	37.88 (962)	26.58 (675)	16.00 (400)	23.50 (597)	1.00 (25)	16.06 (408)	16 - 1.12 (28)
18"/DN450	44.19 (1122)	30.50 (775)	18.38 (467)	25.00 (635)	1.00 (25)	17.00 (432)	16 - 1.25 (32)
20"/DN500	48.25 (1225)	33.75 (857)	20.38 (518)	27.50 (698)	1.13 (29)	18.00 (450)	20 - 1.25 (32)
24"/DN600	53.88 (1369)	39.50 (1003)	24.38 (619)	32.00 (800)	1.19 (30)	20.00 (500)	20 - 1.38 (35)

## WEIGHT - LB. (KG)

Valve Size	14"/DN350	16"/DN400	18"/DN450	20"/DN500	24"/DN600
Flanged	659 (299)	841 (381)	1298 (589)	1640 (744)	2488 (1129)
MJ*	50 (295)	931 (422)	1298 (589)	1640 (744)	2423 (1099)

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