

AMERICAN AVK RESILIENT SEATED DUCTILE IRON GATE VALVE

Tested to AWWA C509 / C515 (NRS) for Indicator Post
Flanged Ends to ANSI B16.1 Class 125 - Valve sizes 4" - 16"

45/50X
FLxFL PIV

Use:

For water and neutral liquids to maximum 160°F.

Tests:

Hydraulic test to AWWA C509:

Shell Test: 500 PSI 4"-12", 400 PSI 14"-16"

Seat Test: 250 PSI 4"-12", 200 PSI 14"-16"

Operating Torque Test

Optional Materials:

Stem	4"-12" only Stainless steel AISI 430F Stainless steel AISI 304 Stainless steel AISI 316
Bonnet Bolts	4"-12" only Stainless steel AISI 304, Stainless steel AISI 316, Zinc Plated steel sealed with hot melt
Gland Bolts	4"-12" only Stainless steel AISI 316, Zinc Plated steel

Standard Materials:

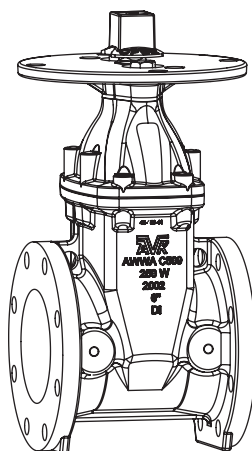
Body, Bonnet, Post Indicator Plate, Wrench Nut	Ductile iron ASTM A536 (Wrench Nut-painted black for open left, red for open right)
Coating	Electrostatically applied fusion- bonded epoxy-resin Meets or exceeds AWWA C550
Stem	4"-12" Standard: Low Zinc Bronze ASTM B763 14"-16" Standard: Aluminum Bronze ASTM B150
Anti Friction Washers	Polyamide
Wedge	Ductile iron ASTM A536 encapsulated with EPDM-rubber compound
Wedge Nut, Thrust Collar	Bronze
Bonnet Bolts	4" - 8" Stainless Steel - 304 sealed with hot melt 10"-16" High strength bolts sealed with hot melt
Gland Bolts	Stainless Steel - 304 Hexagon bolt
Bonnet Gasket, Wiper Ring, O-Ring Stem Seals, O-Ring Gland Seal	ASTM D2000 Buna "N" nitrile rubber

Approvals:



*UL/ULC Listed
*FM Approved
NSF-61 (Annex G) (audited by UL)

* Approved at 250 PSI working pressure, 4"-12"
* Approved at 200 PSI working pressure, 14"-16"



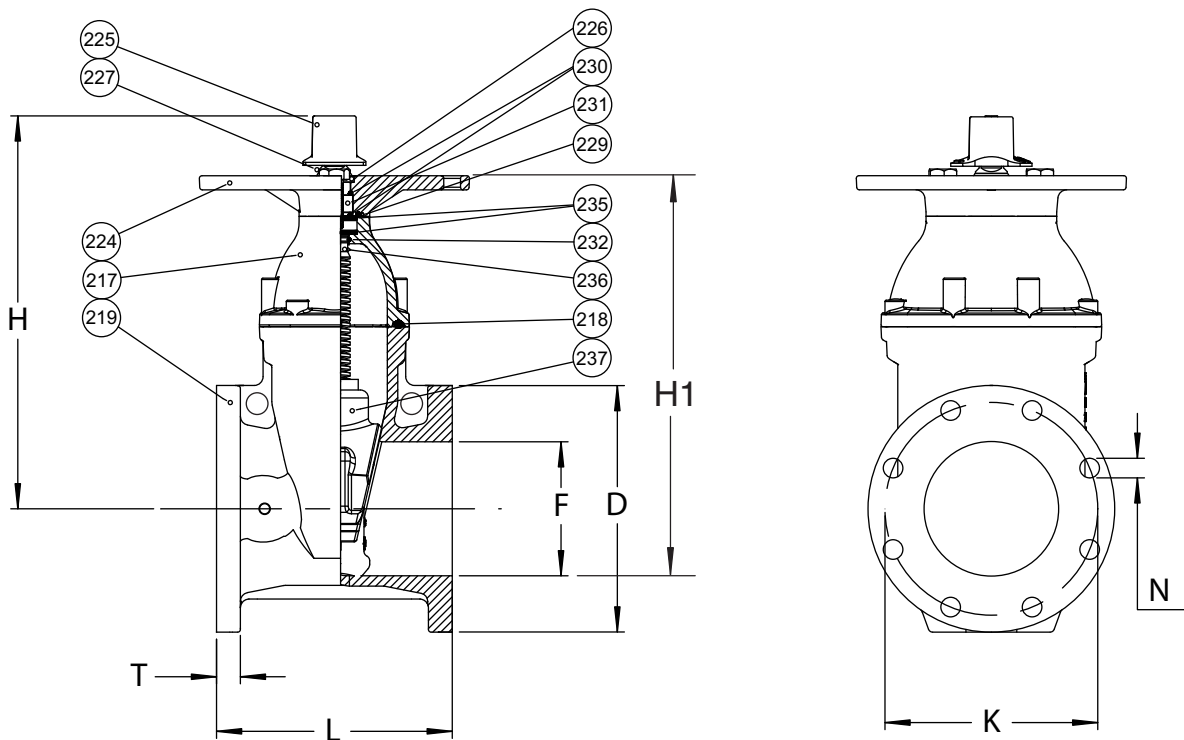
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Component List:

- | | | |
|---------------------------|------------------------------|-----------------------------|
| 217. Bonnet | 226. Wiper Ring | 232. Lower Stem Seal O-Ring |
| 218. Bonnet Gasket | 227. Gland Flange Bolt | 235. Anti-Friction Washer |
| 219. Body | 229. Gland O-Ring | 236. Low Zinc NRS Stem |
| 224. Post Indicator Plate | 230. Upper Stem Seal O-Rings | 237. Wedge |
| 225. Wrench Nut | 231. Stem Seal Bushing | |



Ref No.	Size	D	F	H	H1	K	L	N	T	Flange Holes	Turns to Open	Weight (lbs.)
45-100-50X	4"	9.00"	4.00"	13.50"	13.00"	7.50"	9.00"	0.75"	1.00"	8	14	78
45-150-50X	6"	11.00"	6.00"	17.50"	18.00"	9.50"	10.50"	0.88"	1.06"	8	21	112
45-200-50X	8"	13.50"	8.00"	21.50"	23.00"	11.75"	11.50"	0.88"	1.14"	8	26	169
45-250-50X	10"	16.00"	10.00"	24.75"	27.00"	14.25"	13.00"	1.00"	1.22"	12	32	284
45-300-50X	12"	19.00"	12.00"	27.63"	31.00"	17.00"	14.00"	1.00"	1.30"	12	38	424
45-350-50X	14"	20.98"	14.00"	35.75"	39.00"	18.75"	15.00"	1.13"	1.40"	12	51	635
45-400-50X	16"	23.50"	16.00"	34.74"	42.00"	21.25"	16.00"	1.13"	1.44"	16	51	805



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