

AMERICAN AVK RESILIENT SEATED DUCTILE IRON GATE VALVE 45/FFN_BRINE

250 PSI, Tested to AWWA C509 / C515 (NRS)

FLxFL

Flanged Ends to ANSI B16.1 Class 125 - Valve sizes 2.5" - 16"

Use:

For neutral brines to a maximum temperature of 160°F.
Contact American AVK for specific applications.

Tests:

Hydraulic test to AWWA C509:

Shell Test: 500 PSI

Seat Test: 250 PSI

Operating Torque Test

Required Materials for Brines:

- Holiday free internal coating.
- PUR coating for buried applications
- 316 Stainless steel hardware
- Low Zinc Bronze Stem

Optional Materials:

Actuator Plate for gearing

Standard Materials:

Body, Bonnet,
Gland Flange,

Ductile iron ASTM A536

Stem

Low Zinc Bronze

Wedge

Ductile iron ASTM A536
encapsulated with EPDM-rubber
compound

Wrench Nut, Wedge Nut,
Thrust Collar

Bronze

Bonnet Bolts

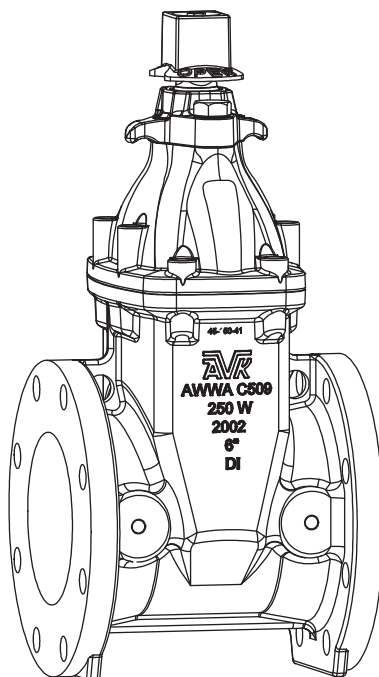
Stainless Steel - 316
sealed with hot melt

Gland Bolts

Stainless Steel - 316
Hexagon bolt

Bonnet Gasket,
Wiper Ring,
O-Ring Stem Seals,
O-Ring Gland Seal

ASTM D2000 Buna "N" nitrile
rubber

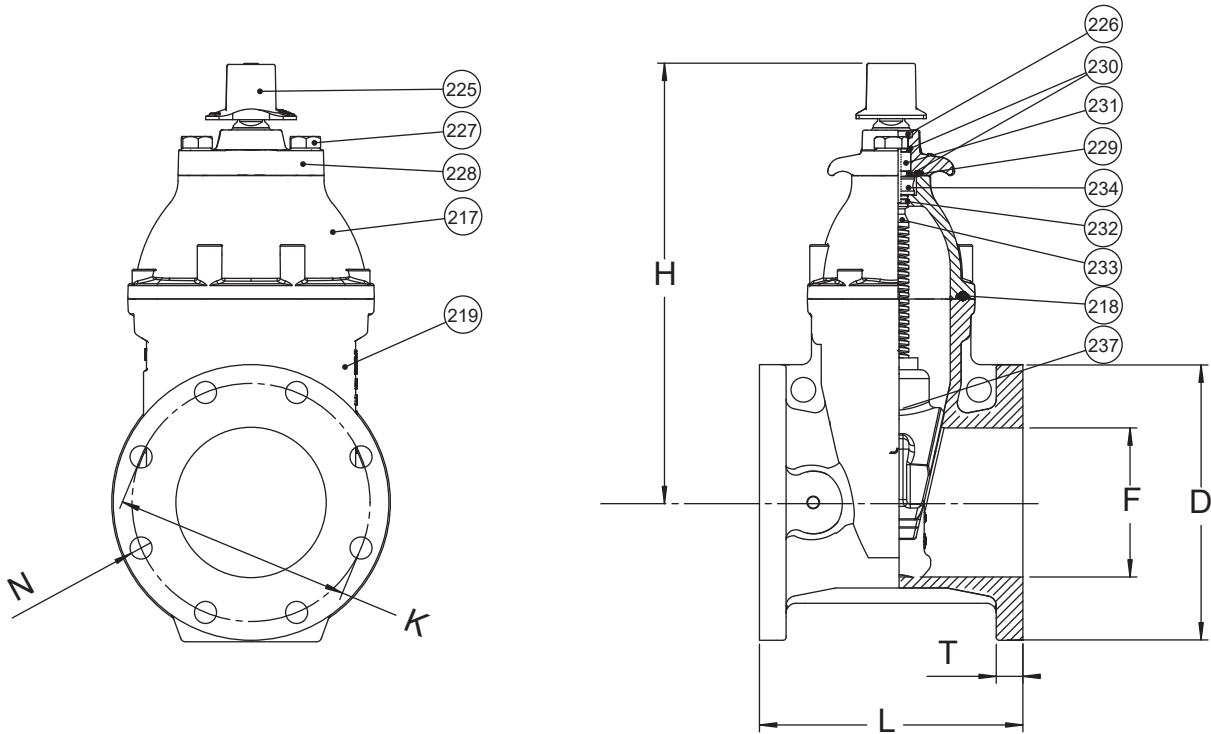


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Component List:

217. Bonnet
 218. Bonnet Gasket
 219. Body
 225. Wrench Nut
 226. Wiper Ring
227. Gland Flange Bolt
 228. Gland Flange
 229. Gland O-Ring
 230. Upper Stem Seal O-Rings
 231. Stem Seal Bushing
232. Lower Stem Seal O-Ring
 233. NRS Stem
 234. Thrust Collar
 237. Wedge



Ref No.	Size	D	F	H	K	L	N	T	Flange Holes	Turns to Open	Weight (lbs.)
45-065-FFN	2.5"	7.00"	2.50"	12.09"	5.50"	7.50"	0.75"	0.71"	4	12	38
45-080-FFN	3"	7.50"	3.00"	12.09"	6.00"	8.00"	0.75"	0.79"	4	12	42
45-100-FFN	4"	9.00"	4.00"	13.50"	7.50"	9.00"	0.75"	1.00"	8	14	63
45-150-FFN	6"	11.00"	6.00"	17.50"	9.50"	10.50"	0.88"	1.06"	8	21	97
45-200-FFN	8"	13.50"	8.00"	21.50"	11.75"	11.50"	0.88"	1.14"	8	26	154
45-250-FFN	10"	16.00"	10.00"	24.75"	14.25"	13.00"	1.00"	1.22"	12	32	269
45-300-FFN	12"	19.00"	12.00"	27.63"	17.00"	14.00"	1.00"	1.30"	12	38	409
45-350-FFN	14"	20.98"	14.00"	35.75"	18.75"	15.00"	1.13"	1.18"	12	51	620
45-400-FFN	16"	23.50"	16.00"	34.74"	21.25"	16.00"	1.13"	1.44"	16	51	790

