

AMERICAN AVK RESILIENT SEATED DUCTILE IRON GATE VALVE

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

45/PPN-UL
POxPO

Push-on Joint End x Push-on Joint End - Valve sizes 4" - 12" and 16"

Use:

For water and neutral liquids to maximum 160°F.

Tests:

Hydraulic test to AWWA C509 & UL 262:

Shell Test: 500 PSI 4"-16"

Seat Test: 375 PSI 4"-12" - 300 PSI -16"

Operating Torque Test

Optional Materials:

Stem For UL, FM, ULC for 4" - 12"
Low Zinc Bronze ASTM B763

For UL, FM, ULC for 16"
Aluminum Bronze ASTM B150/B150M

Anti Friction Washers Polyamide

Wedge Ductile iron ASTM A536
encapsulated with NBR-rubber
compound

Standard Materials:

Body, Bonnet,
Gland Flange,
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 Standard: Stainless steel - 304

Wedge Ductile iron ASTM A536
encapsulated with EPDM-rubber
compound

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

Approvals:



*UL/ULC Listed

*FM Approved

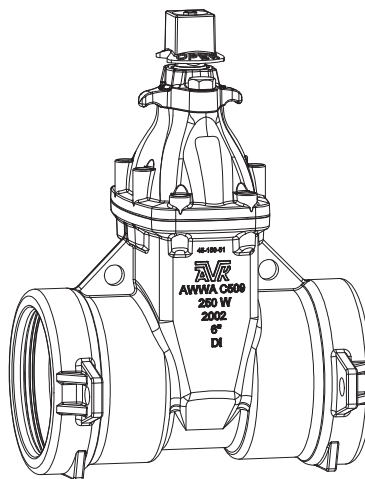
Certified to: ANSI/NSF 61, ANSI/NSF 372

Certified to
NSF/ANSI 61

Certified to
NSF/ANSI 372

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

* Approved at 200 PSI working pressure, 16"

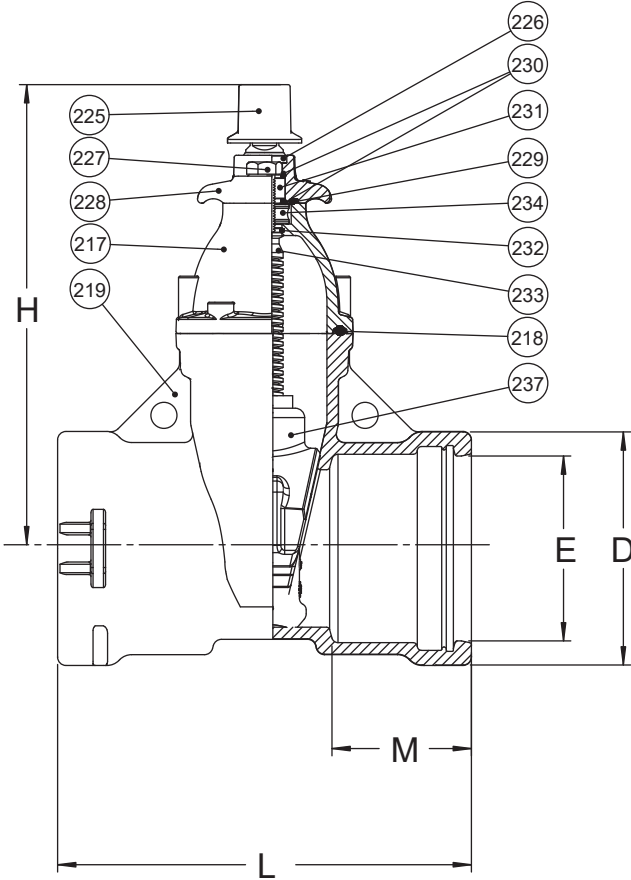


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Component List:

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	E	H	L	M	Turns to Open	Weight (lbs.)
45-100-PPN	4"	6.66"	4.93"	13.50"	11.99"	4.12"	14	57
45-150-PPN	6"	8.84"	7.03"	17.50"	15.63"	5.22"	21	97
45-200-PPN	8"	11.23"	9.18"	21.50"	17.17"	5.63"	26	157
45-250-PPN	10"	13.50"	11.22"	24.75"	17.64"	5.63"	32	227
45-300-PPN	12"	15.74"	13.32"	27.75"	19.21"	5.63"	38	391
45-400-PPN	16"	20.62"	17.50"	34.75"	22.72"	6.00"	54	982

