



AWWA Resilient Seat Gate Valve Series H50



GENERAL INFORMATION

RESILIENT SEATED DUCTILE IRON GATE VALVE

Tested to AWWA C515 (NRS) FLxFL

Flanged Ends to ASME B16.42

Class 150 - Valve sizes 2.5" - 12"

Use:

For water and neutral liquids to maximum 160oF.

Tests:

Hydraulic test to AWWA C515:

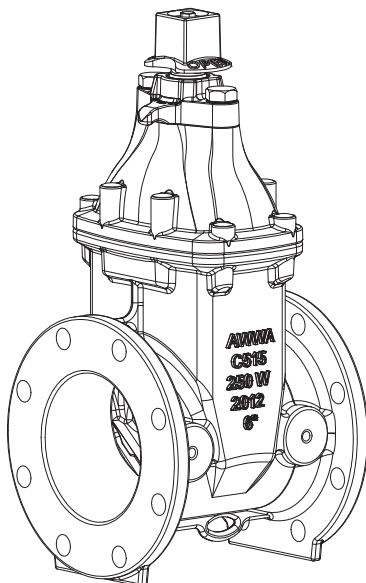
Shell Test: 500 PSI 3"-16"

Seat Test: 250 PSI 3"-16"

Operating Torque Test

Optional Materials:

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
fusionbonded epoxy-resin
Meets or exceeds AWWA C550

Stem
Standard: Stainless steel 430F

Wedge
Ductile iron ASTM A536
encapsulated with EPDM-rubber
compound

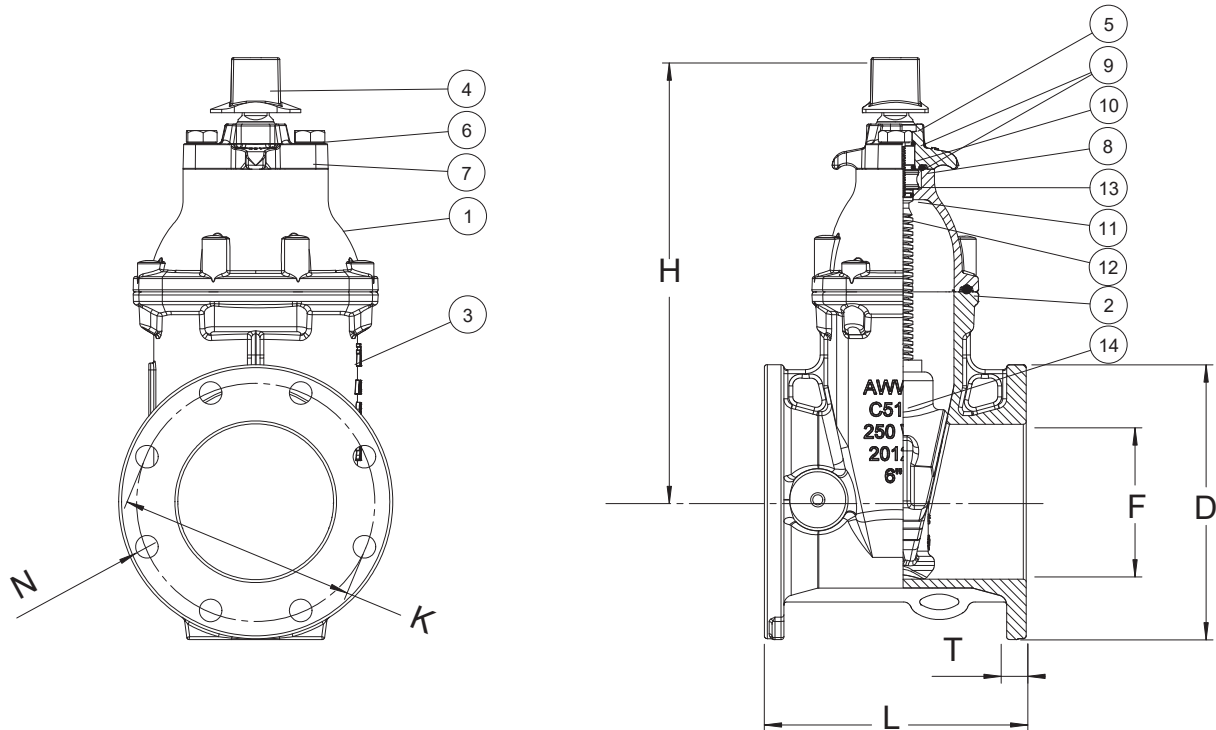
Wedge Nut, Thrust Collar
Bronze

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

DIMENSIONS (mm)



Component List

- | | | |
|------------------|----------------------------|----------------------------|
| 1. Bonnet | 6. Gland Flange Bolt | 11. Lower Stem Seal O-Ring |
| 2. Bonnet Gasket | 7. Gland Flange | 12. NRS Stem |
| 3. Body | 8. Gland O-Ring | 13. Thrust Collar |
| 4. Wrench Nut | 9. Upper Stem Seal O-Rings | 14. Wedge |
| 5. Wiper Ring | 10. Stem Seal Bushing | |

DIMENSIONS (mm)

SIZE		D	F	H	K	L	N	T	Flange Holes	Turns to Open	Weight (lbs.)
DN	INCH										
65	2.5"	7.00"	2.63"	12.09"	5.50"	7.50"	0.75"	0.69"	4	12.5	38
80	3"	7.50"	3.13"	12.28"	6.00"	8.00"	0.75"	0.79"	4	15.5	46
100	4"	9.00"	4.25"	13.82"	7.50"	9.00"	0.75"	0.79"	8	17.5	62
150	6"	11.00"	6.25"	17.81"	9.50"	10.50"	0.88"	0.79"	8	24.5	103
200	8"	13.50"	8.25"	21.83"	11.75"	11.50"	0.88"	0.91"	8	27.5	146
250	10"	16.00"	10.25"	25.06"	14.25"	13.00"	1.00"	0.97"	12	34.5	224
300	12"	19.00"	12.25"	27.96"	17.00"	14.00"	1.00"	1.04"	12	41.5	310