

**AMERICAN AVK RESILIENT SEATED DUCTILE IRON GATE VALVE**  
**250 PSI, Tested to AWWA C509 (NRS)**  
**IPS Grooved End according to AWWA C606 - Valve Sizes 3" - 8"**

**45/GGN**  
**IPS GRxGR**

**Use:**

For water and neutral liquids to maximum 160°F.

**Tests:**

Hydraulic test to AWWA C509:  
 Shell Test: 500 PSI  
 Seat Test: 250 PSI  
 Operating Torque Test

**Optional Materials:**

|              |            |   |
|--------------|------------|---|
| Stem         | Option a): | Stainless steel<br>ASTM A582                  |
| Bonnet Bolts | Option a): | Stainless Steel - 304<br>sealed with hot melt |
|              | Option b): | Stainless Steel - 316<br>sealed with hot melt |
| Gland Bolts  | Option a): | Stainless Steel - 304<br>Hexagon bolt         |
|              | Option b): | Stainless Steel - 316<br>Hexagon bolt         |

**Approvals:**

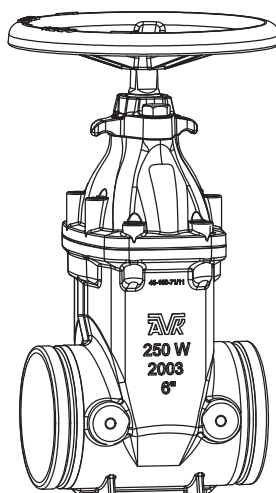


\*UL/ULC Listed,  
 \*FM Approved  
 \* Approved at 250 PSI working pressure  
 Certified to: NSF/ANSI 61, NSF/ANSI 372

**Standard Materials:**

**For UL, FM, ULC listings**

|  |   |
|--|---|
| Body, Gland Flange<br>Wrench Nut                   | Ductile iron ASTM A536<br>(Wrench Nut)- painted black for<br>open left, red for open right. |
| Bonnet, Handwheel                                  | Cast iron ASTM A126 class B   |
| Coating  | Electrostatically applied fusion-<br>bonded epoxy-resin . Meets or<br>exceeds AWWA C550.    |
| Stem   | Standard: Low zinc bronze<br>ASTM B763  |
| Wedge  | Ductile iron ASTM A536<br>encapsulated with EPDM-rubber<br>compound                         |
| Thrust Collar,<br>Wedge Nut                        | Bronze  |
| Anti-Friction Washers                              | Polyamide   |
| Bonnet Bolts                                       | ASTM A164 zinc coated steel<br>sealed with hot melt   |
| Gland Bolts  | ASTM A164 zinc coated steel   |
| Bonnet Gasket,<br>Wiper Ring,<br>O-Ring Stem Seals | ASTM D2000 Buna "N" nitrile<br>rubber   |

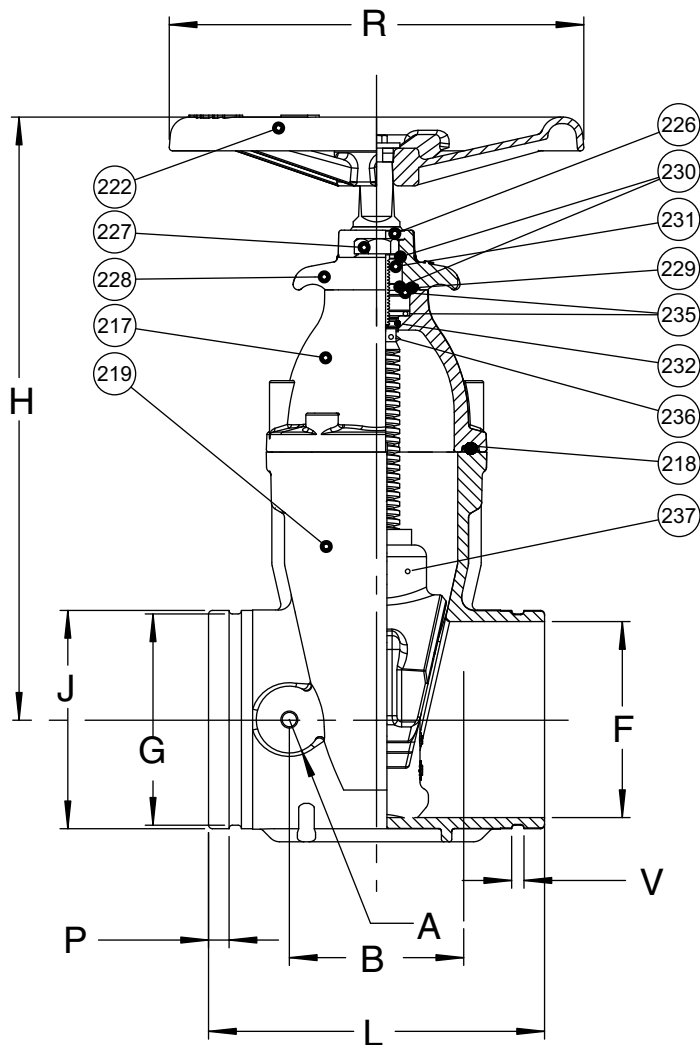


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**Component List:**

- |                    |                              |                             |
|--------------------|------------------------------|-----------------------------|
| 217. Bonnet        | 227. Gland Flange Bolt       | 232. Lower Stem Seal O-Ring |
| 218. Bonnet Gasket | 228. Gland Flange            | 233. NRS Stem               |
| 219. Body          | 229. Gland O-Ring            | 234. Thurst Collar          |
| 222. NRS Handwhel  | 230. Upper Stem Seal O-Rings | 237. Wedge                  |
| 226. Wiper Ring    | 231. Stem Seal Bushing       |                             |



| Ref No.    | Size | A     | B     | F     | G     | H      | J     | L      | P     | R      | V     | Turns to Open | Weight Lbs. |
|------------|------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|---------------|-------------|
| 45-080-GGN | 3"   | 1.57" | 3.74" | 3.00" | 3.34" | 12.50" | 3.50" | 8.00"  | 0.63" | 8.86"  | 0.31" | 13            | 35          |
| 45-100-GGN | 4"   | 1.65" | 4.12" | 4.00" | 4.33" | 13.50" | 4.50" | 9.00"  | 0.63" | 11.00" | 0.38" | 14            | 46          |
| 45-150-GGN | 6"   | 1.97" | 5.29" | 6.00" | 6.45" | 17.50" | 6.62" | 10.50" | 0.63" | 12.60" | 0.38" | 21            | 87          |
| 45-200-GGN | 8"   | 1.97" | 8.00" | 8.00" | 8.44" | 21.50" | 8.62" | 11.50" | 0.75" | 14.17" | 0.44" | 26            | 133         |

