

C509 NRS Resilient Seated Gate Valve Flanged Ends

FIG. F1811-300-F

Specifications

- Meet or exceed the requirements of AWWA C509 Standard.
- Full Waterway.
- 2" Square Operating Nut or Handwheel.
- Robust Design.
- Rubber Fully Encapsulated Ductile Iron Wedge.
- Triple O-Ring Stem Seal.
- Face to Face Dimension comply with ASME B16.10 and EN 558 Series 3.
- Flange and Drilling comply with ASTM B16.1 Class 125.
- UL/ULC 262 Listed, FM 1120/1130 Approved.
- Certificated to ANSI/NSF 61 & 372.
- Rated Working Pressure: 300 psi.

Corrosion Protection

- Fusion Bonded Epoxy Coated Interior and Exterior to AWWA C550 Standard.

Material Specification

| Part | Material | ASTM Specification |
|--------------------|--------------------------------------|---------------------|
| Body | Ductile Iron | A536 Grade 65-45-12 |
| Wedge | EPDM Fully Encapsulated Ductile Iron | |
| Wedge Nut | Bronze | B148 C95200 |
| Bonnet | Ductile Iron | A536 Grade 65-45-12 |
| Stem | Stainless Steel | A276 Type 304 |
| Gland | Ductile Iron | A536 Grade 65-45-12 |
| Operating Nut | Ductile Iron | A536 Grade 65-45-12 |
| Post Flange | Ductile Iron | A536 Grade 65-45-12 |
| Fasteners | Stainless Steel | F593 Grade 304 |
| Body/Bonnet Gasket | EPDM | D2000 |

Options

- 200 psi or 250 psi rated.
- ASTM B150 or other Standard Bronze Stem.
- ASTM A276 Type 316 Stem.
- With Post Flange.
- Other Flange Types available upon request.

Main Dimensions (mm/inch)

| Size | 2 | 2.5 | 3 | 4 | 6 | 8 | 10 | 12 |
|------|----------|----------|----------|----------|----------|----------|----------|----------|
| L | 178/7.0 | 190/7.5 | 203/8.0 | 229/9.0 | 267/10.5 | 292/11.5 | 330/13.0 | 356/14.0 |
| H | 250/9.8 | 265/10.4 | 310/12.2 | 360/14.2 | 465/18.3 | 560/22.0 | 640/25.2 | 740/29.1 |
| D | 185/7.25 | 185/7.25 | 255/10.0 | 255/10.0 | 305/12.0 | 355/14.0 | 445/17.5 | 445/17.5 |

Notes

- 2.5" to 12" valves are UL listed.
- Designs, materials and specifications shown are subject to change without notice due to the continuous development of our products.

Schematic

