

250 PSI AWWA C509 Gate Valve

The 250 PSI AWWA C509 gate valve is designed for potable water systems and fire protection applications. It features a ductile iron body and bonnet, bronze disc, and stainless steel stem for corrosion resistance.



Product Overview

AWWA C509 Gate Valve

The 250 PSI AWWA C509 gate valve is engineered for demanding potable water systems and fire protection applications. Featuring a robust ductile iron body and bonnet construction, it is designed for both underground and above-ground installations. This valve adheres to strict AWWA C509 standards, ensuring reliable performance, durability, and a full port design that minimizes pressure loss.

Technical Specifications

Pressure Rating

250 PSI
Max Pressure

Sealing & Gaskets

- Resilient Wedge (EPDM ASTM D 2000)
- Stem Back Seat O-Ring (EPDM ASTM D 2000)
- Bonnet Gasket (EPDM ASTM D 2000)
- Stem Packing (EPDM ASTM D 2000)

Standards Compliance

AWWA C509, ASTM A 536, ASTM D 2000, ASTM B 584

Materials of Construction

Component Materials

Component	Material
Valve Body	Ductile Iron ASTM A 536
Bonnet	Ductile Iron ASTM A 536
Wedge Nut	Bronze ASTM B 584 UNS C83600
Stem	Bronze ASTM B 150 UNS C61400
Handwheel	Ductile Iron ASTM A 536
Dowel Pin	Stainless Steel ASTM A 276 UNS S42000