

J & S Valve®

GATE VALVE

Resilient Seated

Solid Wedge

Size: 2" - 12"

AWWA C509



RESILIENT SEATED SOLID WEDGE GATE VALVE SERIES 6000 AWWA C509

**2" OPERATING NUT
OR HAND WHEEL**

Ductile Iron

STEM

Stainless Steel
or Bronze

GLAND

Ductile Iron

BONNET

Ductile Iron
Thick Wall Casting

STEM NUT

Aluminum Bronze

WEDGE

Ductile Iron
Encapsulated with
EPDM Rubber

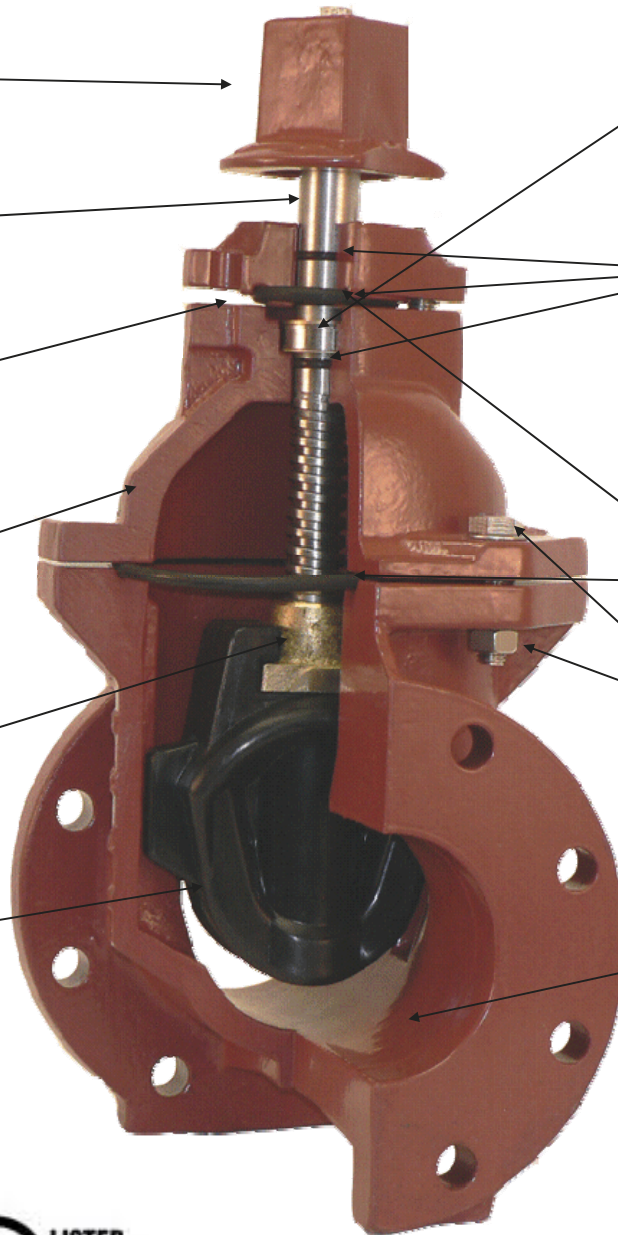
**THRUST COLLAR
WITH 2 THRUST
WASHERS**

**TRIPLE O-RING
STEM SEALS**
EPDM

O-RING GASKET
EPDM

**NUTS, BOLTS,
WASHERS**
Stainless Steel

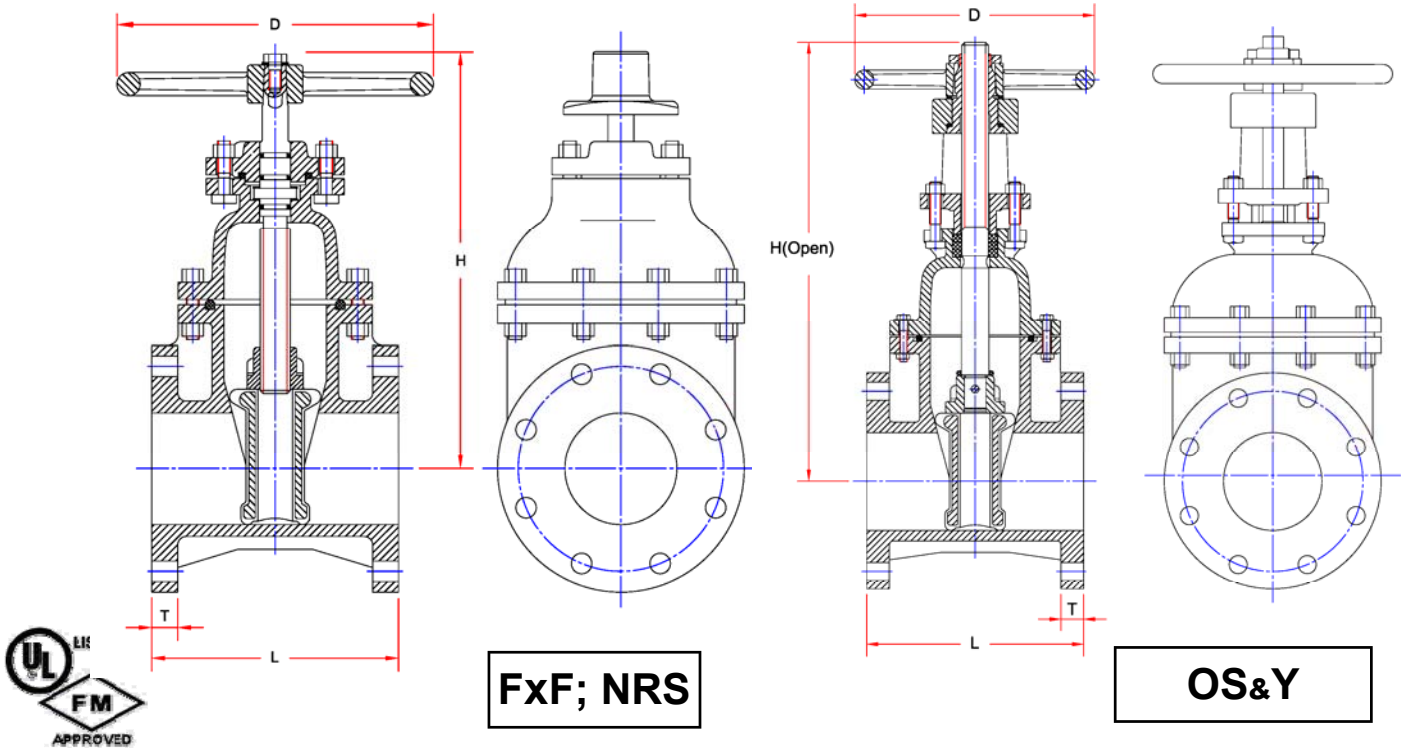
BODY
Ductile Iron
Thick Wall Casting
Fusion Bonded Epoxy
Coated Inside &
Outside per
AWWA C550



Design and Materials Subject to Change Without Notice. Call for Verification and Any Updated Drawings

J & S Valve, Inc.

INSTALLATION DIMENSIONS



DIMENSIONS SERIES 6800 NRS GATE VALVE:

Size	Model	L	H	D	T
2"	6802	7"	9 ⁷ / ₈ "	7 ¹ / ₄ "	5 ⁵ / ₈ "
2.5"	6825	7 ¹ / ₂ "	11"	7 ¹ / ₄ "	3 ³ / ₄ "
3"	6803	8"	13 ¹ / ₂ "	10"	3 ³ / ₄ "
4"	6804	9"	15 ¹ / ₂ "	10"	1"
5"	6805	10"	16 ¹ / ₂ "	12"	1"
6"	6806	10 ¹ / ₂ "	18 ¹ / ₄ "	12"	1"
8"	6808	11 ¹ / ₂ "	22 ¹ / ₂ "	14"	1 ¹ / ₈ "
10"	6810	13"	25 ¹ / ₂ "	17 ¹ / ₂ "	1 ¹ / ₄ "
12"	6812	14"	30 ¹ / ₂ "	17 ¹ / ₂ "	1 ¹ / ₄ "

See J&S Valve Publications or website for Size 14" - 48", and 54" & Larger

DIMENSIONS SERIES 6700 OS&Y GATE VALVE:

Size	Model	L	H (Open)	D	T
2"	6702	7"	15 ³ / ₄ "	7"	5 ⁵ / ₈ "
2.5"	6725	7 ¹ / ₂ "	16"	7"	3 ³ / ₄ "
3"	6703	8"	19 ¹ / ₈ "	7 ¹ / ₂ "	3 ³ / ₄ "
4"	6704	9"	24"	10"	1"
5"	6705	10"	27 ¹ / ₂ "	12"	1"
6"	6706	10 ¹ / ₂ "	31 ¹ / ₈ "	12"	1"
8"	6708	11 ¹ / ₂ "	39 ¹ / ₂ "	14"	1 ¹ / ₈ "
10"	6710	13"	46 ³ / ₄ "	16"	1 ¹ / ₄ "
12"	6712	14"	56"	18"	1 ¹ / ₄ "

See J&S Valve Publications or website for Size 14" - 54"

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QUALITY COMMITMENT

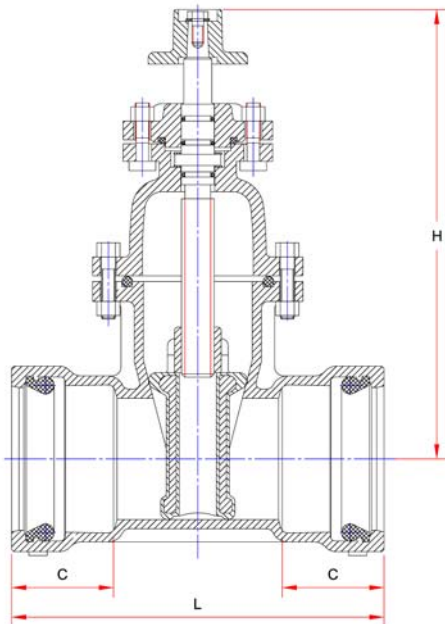


COMMITMENT TO QUALITY AND TECHNICAL ADVANCEMENT

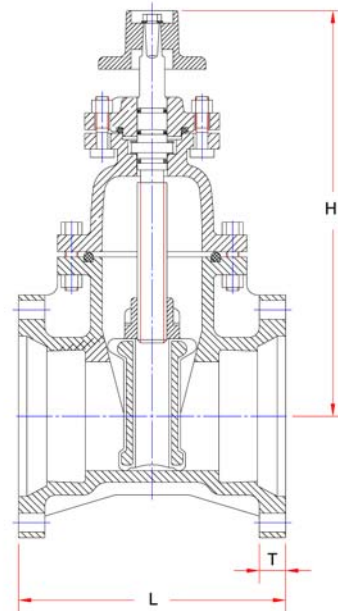
J&S Valve is committed to providing the highest quality valves for longer service life and is recognized around the world for manufacturing the most robust valves on the market. Providing 100% testing, rather than random testing, sets J&S apart. All valves are tested in accordance to the American Water Works Standards. J&S Valve strives to provide superior customer service and to provide quality products at competitive prices. J&S is committed to complete customer satisfaction.



INSTALLATION DIMENSIONS



Push-On; NRS



MJ



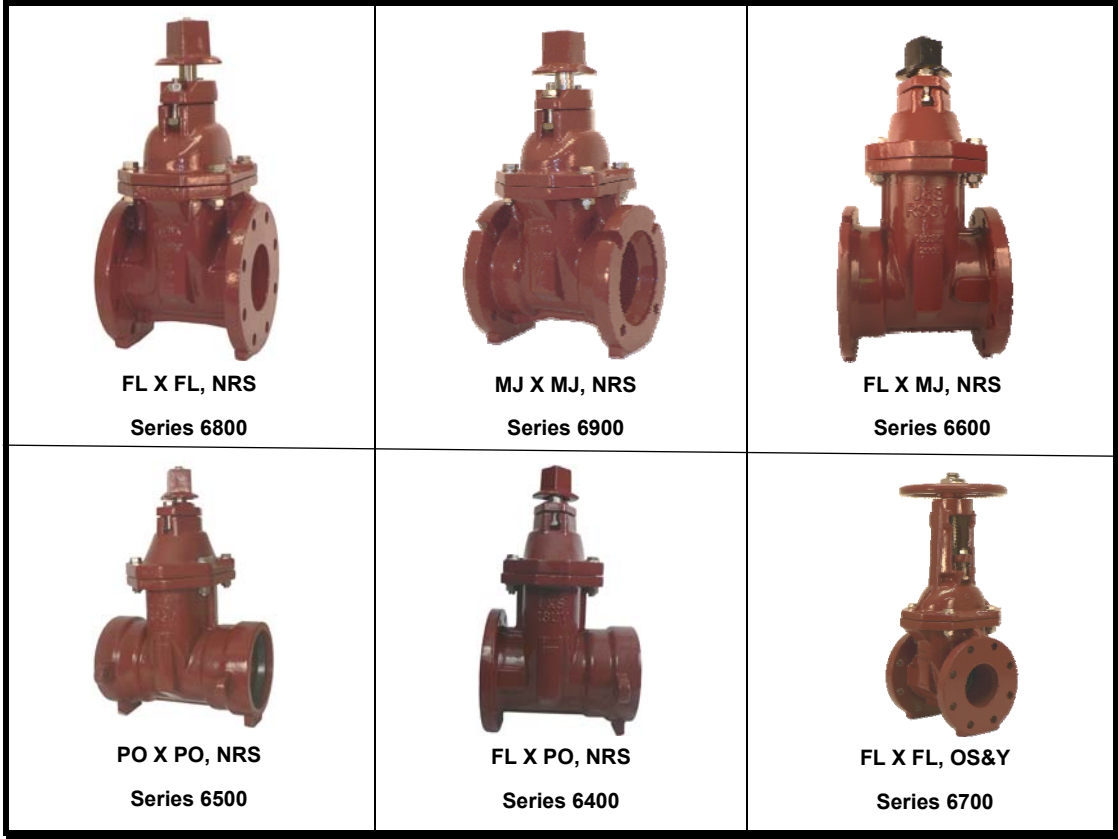
NOTE: PUSH-ON x FLG, NRS AND PUSH-ON BY PUSH-ON, NRS; AVAILABLE - SEE WEBSITE FOR DRAWINGS

DIMENSIONS SERIES 6500 PUSH ON GATE VALVE:				
Size	Model	C	L	H
4"	6504	3½"	12¾"	15½"
6"	6506	4"	14¾"	18¼"
8"	6508	4½"	17¾"	22½"
10"	6510	4½"	18½"	25½"
12"	6512	5"	18⅔"	30½"

DIMENSIONS SERIES 6900 MJ GATE VALVE:				
Size	Model	L	H	T
2"	6902	8"	9⅞"	1"
2.5"	6925	8½"	11"	1"
3"	6903	9"	13½"	1"
4"	6904	10"	15½"	1"
5"	6905	11"	16½"	1"
6"	6906	11½"	18¼"	1"
8"	6908	12½"	22½"	1"
10"	6910	14¾"	25½"	1"
12"	6912	14⅞"	30½"	1¼"

See J&S Valve Publications or website for Size 14" - 48"

GATE VALVE END CONNECTIONS



J & S Valve FACILITIES



RESILIENT SEATED AWWA C509 GATE VALVE SPECIFICATION

SCOPE

1.1 This specification covers the design, manufacturing, and testing of 2-inch through 12-inch AWWA C509 Resilient Seated Gate Valves suitable for cold working pressures of 200 psig.

STANDARDS AND APPROVALS

2.1 Valves shall be designed and manufactured in accordance with the American Water Works Association AWWA C509.

2.2 Valves shall be tested in accordance with Testing Section 5.1 of American Water Works Association AWWA C509.

CONNECTIONS

3.1 Valves shall be provided with flanges in accordance with ANSI B16.1, Class 125 flanges. or Class 250 flanges.

DESIGN

4.1 Valves shall be non-rising stem or outside screw and yoke type.

4.2 Valves shall be manufactured with thick-walled ductile iron bodies and bonnets in accordance with AWWA C509 Table 4.

4.3 Design of the stuffing box shall permit re-packing underline pressure.

4.4 Valve castings shall be marked with the requirements of AWWA C509.

MATERIALS

5.1 Valves shall be manufactured with a ductile iron body, bonnet, and wedge. The wedge shall be encapsulated with EPDM rubber.

5.2 2" operating nut or hand wheel shall be ductile iron.

5.3 Valves shall be manufactured with EPDM gaskets and o-rings.

5.4 NRS valves shall be manufactured with a triple o-ring stem seals constructed of EPDM.

5.5 OS&Y valves shall be manufactured with multiple ring packing and stuffing box.

5.6 Valve stems shall be manufactured of stainless steel.

5.7 Valve body and bonnet fasteners shall be manufactured of stainless steel.

COATINGS

6.1 Valve internal and external coatings shall be Fusion Bonded Epoxy Coated.

6.2 Valve internal and external coatings shall be in accordance with AWWA C550.

MANUFACTURER

7.1 Valves shall be hydrostatically tested in accordance AWWA C509 and shall be ANSI NSF-61 Certified. When requested, the manufacturer shall provide test certificates, dimensional drawings, parts list drawings, and operation and maintenance manuals.

7.2 Valves shall be Series 6000 manufactured by J&S Valve, Inc. Phone: 281-324



J & S Valve®

Improving the Industry Standard!

Giving More to the End Users!

J & S VALVE manufactures Gate Valves which "Improve the Industry Standards". The American Water Works Association (AWWA) Standards C509 establishes the minimum design and testing requirements for gate valves. Other gate valve manufacturers strive to design their valve as close to the minimum as possible and still be in compliance with the AWWA standards. J&S manufactures with materials that exceed the minimum set out by the AWWA standards.

The AWWA C509 Standard (the Standard for Resilient Gate Valves) states the minimum thickness of the body and bonnet and states that the valve can be made of cast grey iron or ductile iron. J & S Valve improves the standard by exceeding the minimum thickness stated in C509 and manufacturing cast components of ductile iron (Including the body, bonnet, wedge, seal plate, and operating nut). The tensile strength of the J&S cast ductile iron is 65,000 psi with a 12% elongation property. The tensile strength of most cast grey iron is 30,000 psi with less than 1% elongation.

Our Commitment is to provide a higher quality gate valve to the water works industry is why we use a higher strength materials than the minimum required by the AWWA standards. J&S Resilient Seated Gate Valve materials include using large diameter stainless steel stem, a thicker aluminum bronze stem nut, fusion bonded epoxy coatings inside and outside, corrosive resistant bolts, and EPDM rubber components. J&S give the customers a stronger more robust, extra heavy duty, more reliable and long lasting gate valve. In addition, J&S offers the most experience in production of 72" Resilient Seated Gate Valves in the world. J&S maintain a finished goods inventory of valves 2" - 48" to service our customers like no other valve manufacturer. J&S has the most complete line of AWWA Resilient Seated Gate Valves as well as Metal Seated Gate Valves in the world. Manufacturing both Non Rising Stem (NRS) and Outside Screw and Yoke (OS&Y) in sizes

Install Reliability

Install J&S Valve

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Ph: (281) 324-3990

DISTRIBUTION CENTER:

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Ennis, TX 75119
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