

Series 7S2 Shouldered Gate Valve for Shouldered Steel Pipe



Series 7S2

1.0 PRODUCT DESCRIPTION

Available Sizes

- 3 – 8"/DN80 – DN200

Maximum Working Pressure

- 507 psi/3495 kPa/35 Bar

Function

- Victaulic Shouldered Gate Valves are available only with a non-rising stem (NRS) operator.

2.0 CERTIFICATIONS/LISTINGS



3.0 SPECIFICATIONS – MATERIAL

Body: Ductile iron conforming to ASTM A-536, Grade 65-45-12

Body Gasket: EPDM conforming to ASTM D-2000

Body Bolts: Plated Steel with plastic covers conforming to ASTM A-307

Handwheel: Ductile iron conforming to ASTM A-536, Grade 65-45-12

Bonnet: Ductile iron conforming to ASTM A-536, Grade 65-45-12

Bonnet/Body Coating: Fusion-bonded epoxy coating

Gate: Ductile iron conforming to ASTM A-536 65-45-12, EPDM coated ASTM D-2000

Gate Stem Nut: Bronze conforming to ASTM B-62

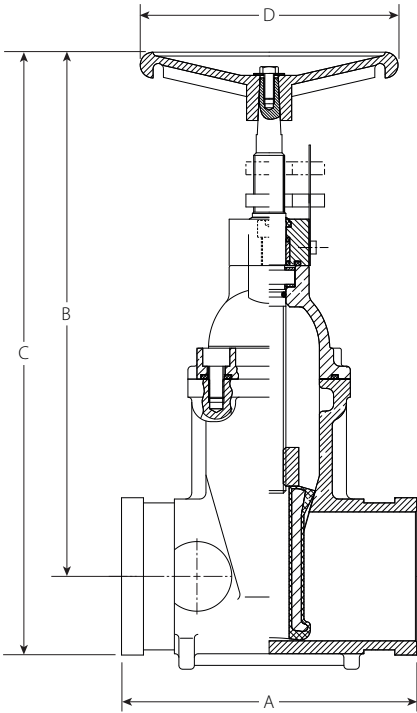
Stem: Stainless Steel conforming to ASTM A276 431SS

O-Ring Seals: EPDM, ASTM D-2000

ALWAYS REFER TO ANY NOTIFICATIONS AT THE END OF THIS DOCUMENT REGARDING PRODUCT INSTALLATION, MAINTENANCE OR SUPPORT.

4.0 DIMENSIONS

Series 7S2 Shouldered Gate Valve



Size		Dimensions				Weight
Nominal inches DN	Actual Shoulder Diameter inches mm	A inches mm	B inches mm	C inches mm	D inches mm	Approx. (Each) lbs kg
3	3.819	7.99	14.88	16.81	10.24	33.7
DN80	97.0	203	378	427	261	15.5
4	4.803	9.01	15.94	18.35	10.24	37.9
DN100	122.0	229	405	467	261	17.0
165.1 mm	6.870	10.51	18.58	22.05	10.24	53.8
	174.5	267	472	561	261	24.5
8	9.134	11.49	23.15	27.72	14.76	140.4
DN200	232.0	292	589	705	375	63.5

6.0 NOTIFICATIONS

⚠ WARNING



- Read and understand all instructions before attempting to install any Victaulic products.
- Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Confirm that any equipment, branch lines, or sections of piping that may have been isolated for/during testing or due to valve closures/positioning are identified, depressurized, and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.
- Wear safety glasses, hardhat, and foot protection.

Failure to follow these instructions could result in death or serious personal injury and property damage.

- These products shall be used only in fire protection systems that are designed and installed in accordance with current, applicable National Fire Protection Association (NFPA) standards, or equivalent standards, and in accordance with applicable building and fire codes. These standards and codes contain important information regarding protection of systems from freezing temperatures, corrosion, mechanical damage, etc.
- The installer shall understand the use of this product and why it was specified for the particular application.
- The installer shall understand common industry safety standards and potential consequences of improper product installation.
- It is the system designer's responsibility to verify suitability of materials for use with the intended fluid media within the piping system and external environment.
- The material specifier shall evaluate the effect of chemical composition, pH level, operating temperature, chloride level, oxygen level, and flow rate on materials to confirm system life will be acceptable for the intended service.

Failure to follow installation requirements and local and national codes and standards could compromise system integrity or cause system failure, resulting in death or serious personal injury and property damage.

6.0 REFERENCE MATERIALS

[07.06: Victaulic® Shouldered Fittings](#)

[10.01: Victaulic® Fire Protection Certifications/Listings Reference Guide](#)

[16.10: Flexible Coupling for Shouldered Steel Pipe Style SC77](#)

[16.21: Flexible Coupling for Shouldered Steel Pipe Style SC85](#)

[24.01: Victaulic® Pipe End Preparation](#)

[26.01: Victaulic® Design Data](#)

[29.01: Victaulic® Terms and Conditions of Sale](#)

[I-SC77: Style SC77 Flexible Coupling for Shouldered Steel Pipe Installation Instructions](#)

[I-SC85: Style SC85 Flexible Coupling for Shouldered Steel Pipe Installation Instructions](#)

User Responsibility for Product Selection and Suitability

Each user bears final responsibility for determining the suitability of Victaulic products for their end-use application, in accordance with industry standards, project specifications, and Victaulic's published performance, maintenance, and safety data, as well as all warnings and installation instructions. Nothing in this or any other document, nor any verbal recommendation, advice, or opinion from any Victaulic employee, shall be deemed to alter, vary, supersede, or waive any provision of Victaulic Company's standard conditions of sale, warranty, installation instructions, or this disclaimer.

Installation

Always refer to and follow the [Victaulic Installation Handbook](#) or installation instructions for the product you are installing. Handbooks are included with each shipment of Victaulic products, providing complete installation and assembly data, and are available in PDF format on our website at [victaulic.com](#).

Warranty

Refer to the Warranty section of the current Price List or contact Victaulic for details.

Intellectual Property Rights

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Note

All products bearing a Victaulic trademark are manufactured by Victaulic or to Victaulic specifications. All products are to be installed only in accordance with the applicable Victaulic installation instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.