

Victaulic® Gate Valves

Series 771A, 772A



Series 771A



Series 772A

1.0 PRODUCT DESCRIPTION

Available sizes

- 2" – 12"/DN50 – DN300

Maximum Working Pressure

RAL 3000- Red:

- cULus Listed
- FM Approved up to 300 psi/2068 kPa/20 bar
- CCC Approval up to 232 psi/1600 kPa/16 bar

RAL 5001-Blue:

- FM Approved
- Watermark Approved up to 300 psi/2068 kPa/20 bar

Function

- OS&Y: Provides positive shutoff and a quick visual indicator of open or closed position
- NRS: Provides remote shutoff service for applications behind a wall or buried

2.0 CERTIFICATION/LISTINGS



NOTES

- The Series 771A in sizes 76.1 mm, 88.9 mm, 114.3 mm, 165.1 mm, 219.1 mm and 273.0 mm are CCC Approved.
- The Series 771A and 772A Gate Valves are UL Classified in accordance with NSF/ANSI/CAN 61 for cold 73°F/23°C potable water service and NSF/ANSI 372.

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

3.0 SPECIFICATIONS – MATERIAL

Series 771A OS&Y Gate Valve

Body: Ductile Iron conforming to ASTM A536 Grade 65-45-12

Body Coating: Fusion Bonded Epoxy, RAL 3000 color – Red
Regional Standard for Australia and New Zealand: Fusion bonded epoxy, RAL 5001 color – Blue

Body Gasket: EPDM

Body Bolts: Zinc Plated Steel

Handwheel: Ductile Iron conforming to ASTM A536 Grade 65-45-12

Handwheel Nut: Ductile Iron conforming to ASTM A536 Grade 65-45-12

OS&Y Yoke: Ductile Iron conforming to ASTM A536 Grade 65-45-12

Yoke Nut: Bronze, conforming to ASTM B62

Bonnet: Ductile Iron conforming to A536 Grade 65-45-12

Bonnet Bolts: Carbon Steel conforming to Grade 8.8, zinc plated

Bonnet/Body Coating: Fusion bonded epoxy (FBE) – RAL 3000 Red

Stem: Type 304 Stainless Steel

O-Ring Seals: Nitrile

Gate: Ductile Iron conforming to ASTM A536 Grade 65-45-12, EPDM coated

Gate Nut: Type 304 Stainless Steel

Packing: Graphite

Gland: Ductile Iron conforming to ASTM A536 Grade 65-45-12

Series 772A NRS Gate Valve

Body: Ductile Iron conforming to ASTM A536 Grade 65-45-12

Body Coating: Fusion Bonded Epoxy, RAL 3000 color – Red
Regional Standard for Australia and New Zealand: Fusion Bonded Epoxy, RAL 5001 color – Blue

Body Gasket: EPDM

Bonnet: Ductile Iron conforming to A536 Grade 65-45-12

Bonnet/Body Coating: Fusion Bonded Epoxy (FBE) – RAL 3000 Red

Thrust Collar: Bronze

Topworks Bolts: Type 304 Stainless Steel

Nut Cap: Ductile Iron conforming to ASTM A536 65-45-12

Stem: Type 304 Stainless Steel

O-Ring Seals: Nitrile

Gate: Ductile Iron conforming to ASTM A536 Grade 65-45-12, EPDM coated

Gate Nut: Type 304 Stainless Steel

Packing: Graphite

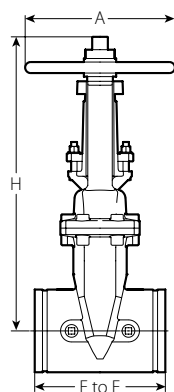
Optional: Indicator Post Flange: Ductile Iron conforming to ASTM A536 Grade 65-45-12

NOTE

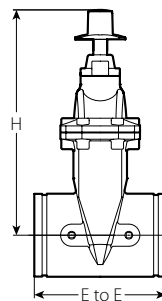
- Series 772A Gate valves can be utilized with the Series 773 wall-post indicator and Series 774 upright indicator.

4.0 DIMENSIONS

Series 771A OS&Y and Series 772A NRS
Grooved x Grooved



Series 771A OS&Y

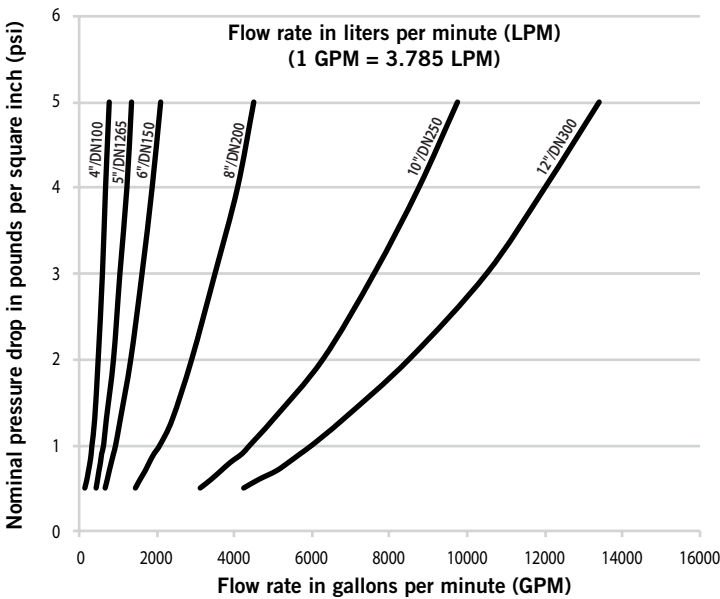
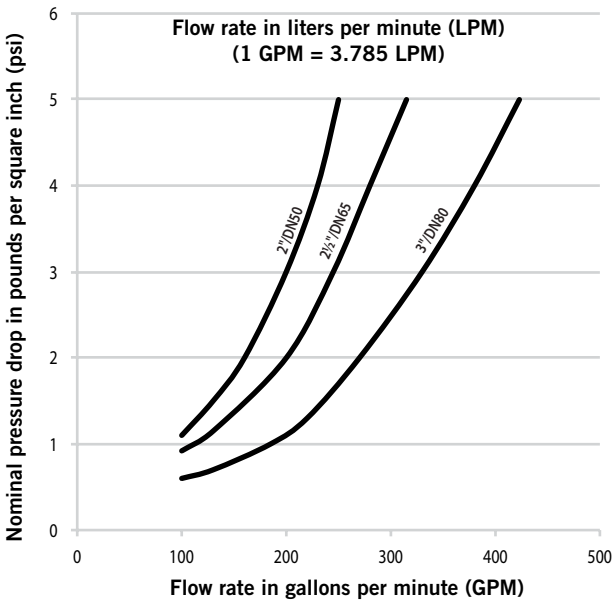


Series 772A NRS

Size		Dimensions					Weight	
Nominal inches DN	Actual Outside Diameter inches mm	771A A inches mm	771A CLOSED H inches mm	771A OPEN H inches mm	772A H inches mm	E to E inches mm	Approximate (Each) 771A lb kg	Approximate (Each) 772A lb kg
2	2.375	7.25	13.00	15.25	10.25	7.00	39.7	35.3
DN50	60.3	184	330	387	260	178	18.0	16.0
2½	2.875	7.25	13.75	16.63	11.63	7.50	30.5	25.0
	73.0	184	349	422	295	191	13.8	11.3
DN65	3.000	7.25	13.75	16.63	11.63	7.50	31.5	25.0
	76.1	184	349	422	295	191	14.3	11.3
3	3.500	10.00	15.75	18.88	11.63	8.00	42.5	32.0
DN80	88.9	254	400	479	295	203	19.3	14.5
4	4.500	10.00	17.75	21.63	13.75	9.00	49.8	38.0
DN100	114.3	254	451	549	349	229	22.6	17.2
	6.500	12.00	23.25	29.13	18.00	10.50	95.0	76.0
	165.1	305	591	740	457	267	43.1	34.5
6	6.625	12.00	23.25	29.13	18.00	10.50	95.0	76.0
DN150	168.3	305	591	740	457	267	43.1	34.5
8	8.625	14.00	28.75	36.63	21.50	11.50	155.0	126.0
DN200	219.1	356	730	930	546	292	70.3	57.2
10	10.750	17.50	34.75	44.50	25.38	13.00	233.0	186.0
DN250	273.0	445	883	1130	645	330	105.7	84.4
12	12.750	17.50	40.13	52.00	28.75	14.00	331.0	290.0
DN300	323.9	445	1019	1321	730	356	150.1	131.5

5.0 PERFORMANCE

Series 771A OSY and 772A NRS
Grooved x Grooved
Friction Loss



NOTE

- Friction loss data for 76.1 mm and 165.1 mm is same as 2½" and 6".

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.

- 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.

7.0 REFERENCE MATERIALS

[05.01: Seal Selection Guide - Elastomeric Seal Construction](#)

[10.01 Victaulic® Certifications Reference Guide—General Catalog Products](#)

[10.92: Victaulic® Gate Valves Series 771H, 772H, 771F, 772F, 774](#)

[24.01: Pipe Preparation Tool Specifications](#)

[26.01: Grooved Piping System - Design Data](#)

[29.01: Terms and Conditions of Sale/Warranty](#)

[I-100: Field Installation Handbook](#)

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.