

# 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. CCCf Approval up to 232 psi/1600 kPa/16 bar
- RAL 5001-Blue: FM Approved and 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



#### NOTE

- The Series 771A in sizes 76.1 mm, 88.9 mm, 114.3 mm, 165.1 mm, 219.1 mm and 273.0 mm have CCCf approval.

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

### 3.0 SPECIFICATIONS – MATERIAL

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#### 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

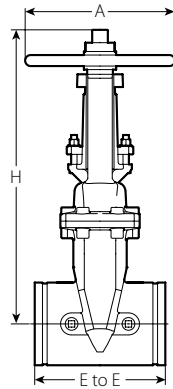
- Body:** Ductile iron conforming to ASTM A536 Grade 65-45-12
- Body Coating:** Fusion bonded epoxy, RAL 3000 color – Red  
Regional Standard for Australia and New Zealand: Fusion bonded epoxy, RAL 5001 color – Blue
- Body Gasket:** EPDM
- Bonnet:** Ductile iron conforming to A536 Grade 65-45-12
- Bonnet/Body 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

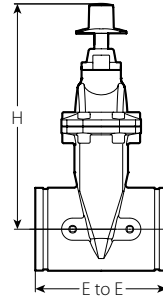
- Series 772A Gate valves can be utilized with the Series 773 wall-post indicator and Series 774 upright indicator.

## 4.0 DIMENSIONS

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



Series 771A OS&Y

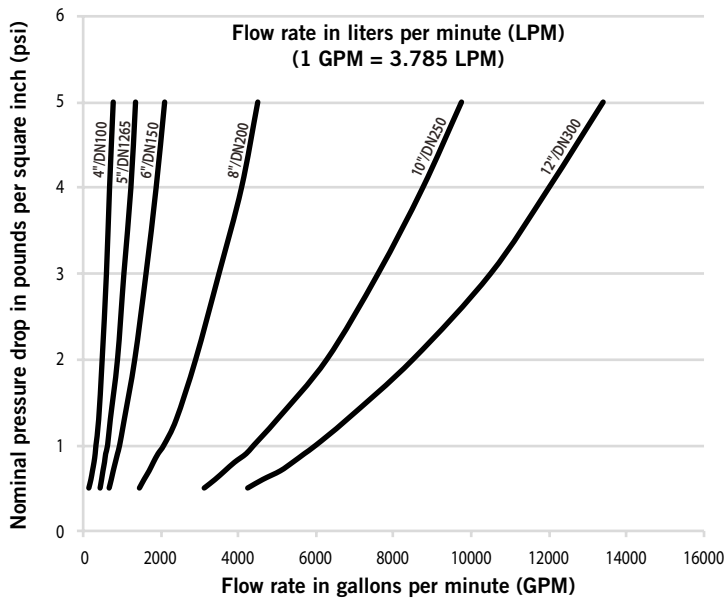
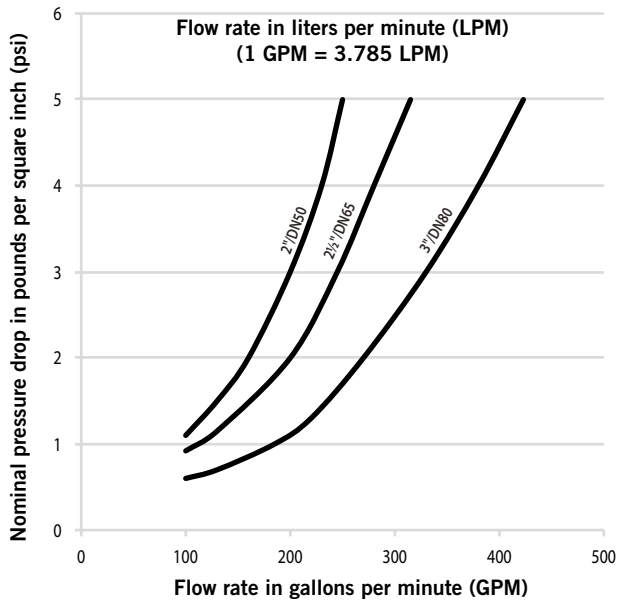


Series 772A NRS

Size		Dimensions					Weight	
Nominal inches DN	Actual Outside Diameter inches mm	771A A inches mm	771A H CLOSED inches mm	771A H OPEN 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 76.1mm and 165.1mm is same as 2 ½" and 6".

## 6.0 NOTIFICATIONS

<b>⚠ WARNING</b>	
	<ul style="list-style-type: none"> <li>• Read and understand all instructions before attempting to install any Victaulic products.</li> <li>• Always verify that the piping system has been completely depressurized and drained immediately prior to installation, removal, adjustment, or maintenance of any Victaulic products.</li> <li>• Wear safety glasses, hardhat, and foot protection.</li> </ul> <p>Failure to follow these instructions could result in death or serious personal injury and property damage.</p>
<ul style="list-style-type: none"> <li>• 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 13, 13D, 13R, etc.) 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.</li> <li>• The installer shall understand the use of this product and why it was specified for the particular application.</li> <li>• The installer shall understand common industry safety standards and potential consequences of improper product installation.</li> <li>• 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.</li> <li>• 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.</li> </ul> <p>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.</p>	

## 7.0 REFERENCE MATERIALS

- [05.01: Victaulic Seal Selection Guide - Elastomeric Seal Construction](#)
- [10.01 Victaulic Fire Protection Certifications/Listings Reference Guide](#)
- [10.92: Victaulic FireLock™ Gate Valves Series 771 and 772](#)
- [24.01: Victaulic Pipe End Preparation](#)
- [26.01: Victaulic Design Data](#)
- [29.01: Victaulic Terms and Conditions of Sale](#)
- [I-100: Victaulic Field Installation Handbook](#)

### User Responsibility for Product Selection and Suitability

Each user bears final responsibility for making a determination as to the suitability of Victaulic products for a particular end-use application, in accordance with industry standards and project specifications, as well as Victaulic performance, maintenance, safety, and warning 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, installation guide, or this disclaimer.

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### Note

This product shall be manufactured by Victaulic or to Victaulic specifications. All products to be installed in accordance with current Victaulic installation/assembly instructions. Victaulic reserves the right to change product specifications, designs and standard equipment without notice and without incurring obligations.

### Installation

Reference should always be made to the Victaulic installation handbook or installation instructions of 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 [www.victaulic.com](http://www.victaulic.com).

### Warranty

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

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