

Victaulic Potable Water Entry Gate Valves

Series 771P, 772P



Series 771P



Series 772P

1.0 PRODUCT DESCRIPTION

Available sizes

- 2" – 12"/DN50 – DN300

Maximum Working Pressure

- cULus Listed, FM Approved up to 300 psi/2068 kPa/20 bar.

Maximum Working Temperature

- 140 °F/60 °C

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



UL Classified in accordance with ANSI/NSF 61 and ANSI/NSF 372.

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



3.0 SPECIFICATIONS – MATERIAL

Series 771P OS&Y Gate Valve

Body: Ductile iron conforming to ASTM A536 grade 65-45-12

Body/Bonnet coating: Fusion bonded epoxy, RAL 3000 color – Red

Wedge: Ductile iron conforming to ASTM A536 grade 65-45-12, EPDM encapsulated

Stem: 304 Stainless steel

Gasket: EPDM

Bonnet: Ductile iron conforming to ASTM A536 grade 65-45-12

Gland: Ductile iron conforming to ASTM A536 grade 65-45-12

Stem Nut: Bronze conforming to C95200

O-Ring: Nitrile

Bolt: 304 Stainless steel

Packing: Graphite

Washer: 304 Stainless steel

Nut: 316 Stainless steel

Stem Washer: Brass

Handwheel: Ductile iron conforming to ASTM A536 grade 65-45-12

Handwheel Nut: Ductile iron conforming to ASTM A536 grade 65-45-12

Pin: 304 Stainless steel

Wedge nut: 304 Stainless steel

Plug: Brass

Series 772P NRS Gate Valve

Body: Ductile iron conforming to ASTM A536 grade 65-45-12

Body/Bonnet coating: Fusion bonded epoxy, RAL 3000 color – Red

Wedge: Ductile iron conforming to ASTM A536 grade 65-45-12, EPDM encapsulated

Wedge Nut: Bronze conforming to C95200

Stem: 304 Stainless steel

Gasket: EPDM

Bonnet: Ductile iron conforming to ASTM A536 grade 65-45-12

Thrust Collar: Bronze conforming to C95200

O-ring: Nitrile

Gland: Ductile iron conforming to ASTM A536 grade 65-45-12

Bolt: 304 Stainless steel

Dustproof Ring: Nitrile

Indicator Post Flange: Ductile iron conforming to ASTM A536 grade 65-45-12

Washer: 304 Stainless steel

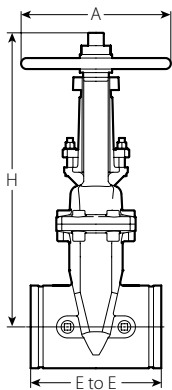
Operating Nut: Ductile iron conforming to ASTM A536 grade 65-45-12

NOTE

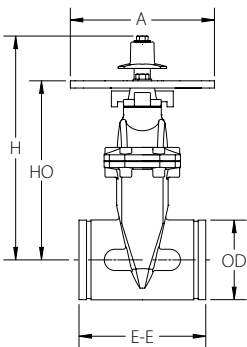
- Series 772P Gate valves can be utilized with the Series 773 wall-post indicator and Series 774 upright indicator.

4.0 DIMENSIONS

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



Series 771P OS&Y



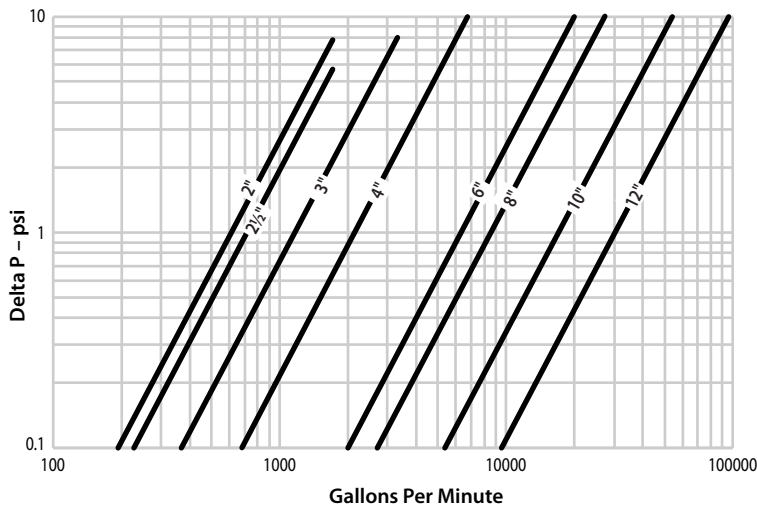
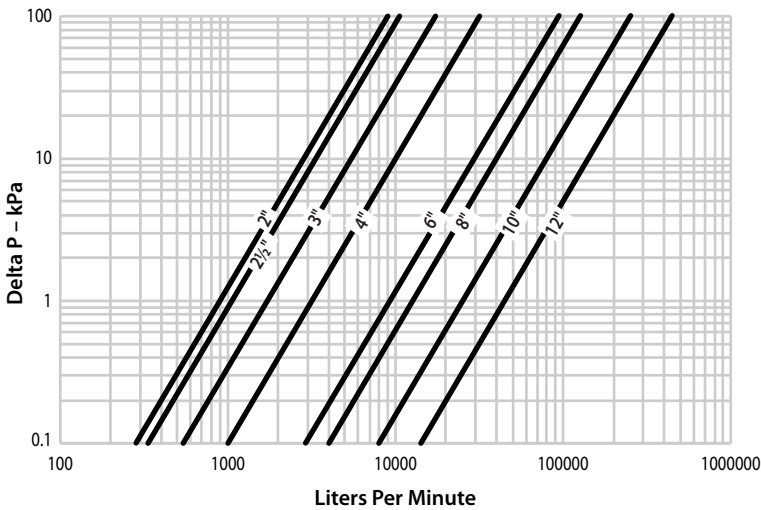
Series 772P NRS

Size		Dimensions				Weight
Nominal inches DN	Actual Outside Diameter inches mm	E to E inches mm	ØA inches mm	H inches mm	H Closed inches mm	Approx. (Each) lb kg
2	2.375	7.00	7.30	15.40	13.2	26.5
DN50	60.3	178	185	391	335.3	12.0
2½	2.875	7.50	7.30	17.10	14.4	29.3
	73.0	191	185	434	365.8	13.3
3	3.500	8.00	10.00	19.90	16.5	38.6
DN80	88.9	203	254	505	419.1	17.5
4	4.500	9.00	10.00	22.40	18.1	66.1
DN100	114.3	229	254	569	459.7	30.0
6	6.625	10.50	12.00	30.10	24	100.3
DN150	168.3	267	305	765	609.6	45.5
8	8.625	11.50	14.00	38.00	30	149.9
DN200	219.1	292	356	965	762	68.0
10	10.750	13.00	17.50	44.90	35.2	249.1
DN250	273.0	330	445	1140	894	113.0
12	12.750	14.00	17.50	53.00	40.8	330.7
DN300	323.9	356	445	1346	1036.3	150.0

Size		Dimensions				Weight
Nominal inches DN	Actual Outside Diameter inches mm	E to E inches mm	ØA inches mm	H inches mm	HO inches mm	Approx. (Each) lb kg
2	2.375	7.00	12.00	11.40	8.10	23.8
DN50	60.3	178	305	290	206	10.8
2½	2.875	7.50	12.00	11.80	8.60	24.8
	73.0	191	305	300	218	11.3
3	3.500	8.00	12.00	13.00	9.80	29.9
DN80	88.9	203	305	330	249	13.6
4	4.500	9.00	12.00	14.40	11.20	61.7
DN100	114.3	229	305	366	284	28.0
6	6.625	10.50	12.00	18.10	14.90	95.9
DN150	168.3	267	305	460	378	43.5
8	8.625	11.50	12.00	21.50	18.20	145.5
DN200	219.1	292	305	546	462	66.0
10	10.750	13.00	12.00	25.00	21.70	229.9
DN250	273.0	330	305	635	551	104.3
12	12.750	14.00	12.00	28.30	25.00	321.4
DN300	323.9	356	305	719	635	145.8

5.0 PERFORMANCE

Series 771P OS&Y and 772P NRS
Grooved x Grooved
Friction Loss



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.
- 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 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.
- 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: Victaulic Seal Selection Guide - Elastomeric Seal Construction](#)
- [10.01 Victaulic Fire Protection Certifications/Listings Reference Guide](#)
- [10.72: Victaulic Gate Valves Series 771A, 772A](#)
- [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.

Warranty

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

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