

# Victaulic® Outside Stem & Yoke (OS&Y) Gate Valve

## Series 771M



Series 771M  
Grooved x Grooved



Series 771M  
Grooved x Flanged

### 1.0 PRODUCT DESCRIPTION

#### Available Sizes

- 2 ½ – 12"/DN65 – DN300

#### Pressure Class

- 250 psi/1725 kPa/17 Bar

#### Application

- For on/off service only

#### Operating Temperature

- 10°F to 180°F/-12°C to +82°C (Dependent on gate coating, body gasket, o-ring seals selection from section 3.0)

#### Pipe Preparation

- Victaulic Original Groove System (OGS)

#### Actuation Option

- Handwheel

### 2.0 CERTIFICATION/LISTINGS

Product designed and manufactured under the Victaulic Quality Management System, as certified by LPCB in accordance with ISO-9001:2015.

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

System No.		Location	
Submitted By		Date	

Spec Section		Paragraph	
Approved		Date	

### 3.0 MATERIAL SPECIFICATIONS

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#### Series 771M Outside Stem & Yoke (OS&Y) Gate Valves

**Body:** Ductile iron conforming to ASTM A-536 grade 65-45-12.

**Body Bolts:** Plated steel w/ Plastic covers

**Yoke:** Ductile iron conforming to ASTM A-536 grade 65-45-12

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

**Bonnet/Body Coating:** Fusion bonded epoxy coating

**Gate:** Cast iron, Nitrile or EPDM coated

#### Gate Coating, Body Gasket, O-Ring Seals: (specify choice)

##### Victaulic EPDM

EPDM (Green color code). Temperature range 14°F to 180°F/-10°C to +82°C. NOT RECOMMENDED FOR PETROLEUM SERVICES OR STEAM SERVICES.

##### Victaulic Nitrile

Nitrile (Orange color code). Temperature range +10°F to +149°F/-12°C to +65°C. NOT RECOMMENDED FOR HOT WATER SERVICES OR STEAM SERVICES.

**Gate Nut:** Bronze, conforming to ASTM B62

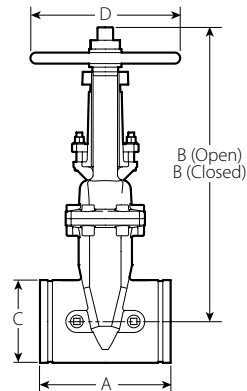
**Stem:** Brass, ASTM B16

**Stem Packing:** Graphite

## 4.0 DIMENSIONS

### Series 771M OS&Y Outside Stem & Yoke (OS&Y)

Grooved x Grooved



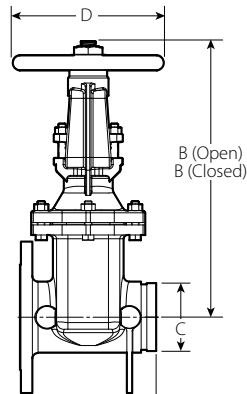
Series 771M  
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Size		Dimensions					Weight
Nominal inches DN	Actual Outside Diameter inches mm	A inches mm	Height B		C inches mm	D inches mm	Approximate (Each) lb kg
			Closed inches mm	Open inches mm			
2½ DN65	2.9 73.7	7.5 190.5	13.75 349.3	16.63 422.4	2.9 73.7	7.25 184.2	30.4
	3.00 76.1		13.75 349.3	16.63 422.4			3.00 76.1
3 DN80	3.5 88.9	8 203.2	15.75 400.1	18.88 479.6	3.5 88.9	10 254	42.5
	4 DN100		17.75 450.9	21.63 549.4			4.5 114.3
4 DN100	4.5 114.3	9 228.6	23.25 590.6	29.13 739.9	4.5 114.3	10 254	49.6
	6 DN150		23.25 590.6	29.13 739.9			6.5 165.1
6 DN150	6.5 165.1	10.5 266.7	23.25 590.6	29.13 739.9	6.5 165.1	12 304.8	93.0
	6.63 168.4		23.25 590.6	29.13 739.9			6.63 168.4
8 DN200	8.63 219.2	11.5 292.1	28.75 730.3	36.63 930.4	8.63 219.2	14 355.6	153.4
	10 DN250		34.75 882.7	44.5 1130.3			10.75 273.1
10 DN250	10.75 273.1	13 330.2	40.17 1020.3	52 1320.8	10.75 273.1	17.5 444.5	233.0
	12 DN300		40.17 1020.3	52 1320.8			12.75 323.9
12 DN300	12.75 323.9	14 355.6	1020.3	1320.8	12.75 323.9	17.5 444.5	331.3

## 4.1 DIMENSIONS

### Series 771M OS&Y Outside Stem & Yoke (OS&Y)

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Size		Dimensions					Weight
Nominal inches DN	Actual Outside Diameter inches mm	A inches mm	Height B		C inches mm	D inches mm	Approximate (Each) lb kg
			Closed inches mm	Open inches mm			
2½ DN65	2.88	7.500	16.18	18.74	2.88	7.87	35.9
	73	190.5	411	476	73	200	16.3
3	3.00	7.500	16.18	19.18	3.00	7.87	35.9
	76.1	190.5	411	487.1	76.1	200	16.3
DN80	3.50	7.992	17.09	20.34	3.50	7.87	43.5
	88.9	203	434	514	88.9	200	19.7
4 DN100	4.50	9.016	18.11	22.05	4.50	10.24	63.5
	114.3	229	460	560	114.3	260	28.8
6	6.50	10.512	23.90	30.40	6.50	12.40	111.0
	165.1	267	607	772.1	165.1	315	50.3
DN150	6.63	10.512	23.90	29.80	6.63	12.40	111.0
	168.3	267	607	757	168.3	315	50.3
8 DN200	8.63	11.496	28.59	36.46	8.63	14.76	181.5
	219.1	292	726	926	219.1	375	82.3
10 DN250	10.75	12.992	35.04	44.88	10.75	16.38	272.0
	273	330	890	1140	273	416	123.4
12 DN300	12.75	14.016	40.12	51.93	12.75	17.52	401.0
	323.9	356	1019	1319	323.9	445	181.9

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## 5.0 PERFORMANCE

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Not Applicable

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## 6.0 NOTIFICATIONS

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This series is not agency listed for fire protection service. Please see [submittal 10.92](#) for fire service products.

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## 7.0 REFERENCE MATERIALS

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

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

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### 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, and the applicable building codes and related regulations 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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