

Gate Valve

Series 371/W371 Open Stem & Yoke (OS&Y) Gate Valves

Series 372/W372 Non Rising Stem (NRS) Gate Valves



Series 371



Series 372



Series W371



Series W372

1.0 PRODUCT DESCRIPTION

Available Sizes

- 2 ½ – 16"/DN80 – DN400

Pressure Class

- 250 psi /1725 kPa /17 Bar

Application

- For on/off service only
- 2 ½ – 12"/DN80 – DN300 Victaulic Original Groove System (OGS)
- 14 – 16"/DN350 – DN400 Victaulic Advanced Groove System (AGS)

NOTE

- Series 371, 372, W371 and W372 gate valves conform to the requirements of AWWA C509

Operating Temperature

- -20°F to + 180°F/-29°C to +82°C

Actuation Option

- Hand wheel
- T Handle
- Indicator post
- 2" operating nut
- Stem extensions
- Floor boxes
- Bevel gear
- Chain wheel

2.0 CERTIFICATION/LISTINGS

Product designed and manufactured under the Victaulic Quality Management System, as certified by LPCB in accordance with ISO-9001:2008.

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

Series 371 Open Stem & Yoke (OS&Y) Gate Valves

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

Body Gasket/Stem Seals/O-rings: EPDM conforming to ASTM D2000

Body bolts: Plated carbon steel conforming to ASTM A574

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

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

Bonnet/Body Coating: Fusion bonded epoxy coating in accordance with AWWA C550

Disc/Wedge: Ductile Iron conforming to ASTM A536 Grade 65-45-12, coating EPDM conforming to ASTM D2000

Disc nut: Brass, ASTM B584 C83600

Stem: Aluminum bronze conforming to ASTM B150 C61400

Stem packing: EPDM conforming to ASTM D2000

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

Handwheel nut: Carbon steel conforming to ASTM A194-2H

Series W371 Open Stem & Yoke (OS&Y) Gate Valves

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

Bonnet Gasket/Stem Seals/O-rings: EPDM conforming to ASTM D2000

Body bolts: Plated carbon steel conforming to ASTM A574

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

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

Bonnet/Body Coating: Fusion bonded epoxy coating in accordance with AWWA C550

Disc/Wedge: Ductile Iron conforming to ASTM A536 Grade 65-45-12, coating EPDM conforming to ASTM D2000

Disc/wedge nut: Brass, ASTM B584 C83600

Stem: 304 stainless steel

Stem packing: EPDM conforming to ASTM D2000

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

Handwheel nut: Carbon steel conforming to ASTM A194-2H

3.0 MATERIAL SPECIFICATIONS (CONTINUED)

Series 372 Non Rising Stem (NRS) Gate Valves

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

Body Gasket/Stem Seals/O-rings: EPDM conforming to ASTM D2000

Body bolts: Plated carbon steel conforming to ASTM A574

Stem: Aluminum bronze ASTM B150 C61400

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

Bonnet/Body Coating: Fusion bonded epoxy coating in accordance with AWWA C550

Disc/Wedge: Ductile Iron conforming to ASTM A536 Grade 65-45-12, coating EPDM conforming to ASTM D2000

Disc nut: Brass, ASTM B584 C83600

Stem: Aluminum bronze conforming to ASTM B150 C61400

Stem nut: Bronze confirming ASTM B584 C83600

Stem packing: EPDM conforming to ASTM D2000

Square nut: Ductile iron conforming to ASTM A536 Grade 65-45-12

Series W372 Non Rising Stem (NRS) Gate Valves

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

Body Gasket/Stem Seals/O-rings: EPDM conforming to ASTM D2000

Body bolts: Plated carbon steel conforming to ASTM A307

Stem: 304 stainless steel

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

Bonnet/Body Coating: Fusion bonded epoxy coating in accordance with AWWA C550

Disc/Wedge: Ductile Iron conforming to ASTM A536 Grade 65-45-12, coating EPDM conforming to ASTM D2000

Disc nut: Brass, ASTM B584 C83600

Stem: Aluminum bronze conforming to ASTM B150 C61400

Stem nut: Bronze confirming ASTM B584 C83600

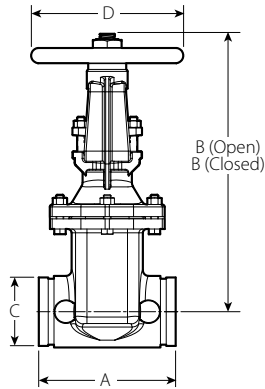
Stem packing: EPDM conforming to ASTM D2000

Square nut: Ductile iron conforming to ASTM A536 Grade 65-45-12

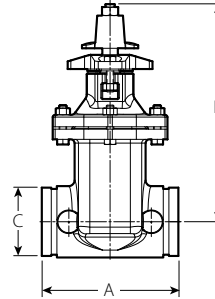
4.0 DIMENSIONS

Series 371/W371 Open Stem & Yoke (OS&Y) Gate Valves

Series 372/W372 Non Rising Stem (NRS) Gate Valves



Series 371
Grooved x Grooved



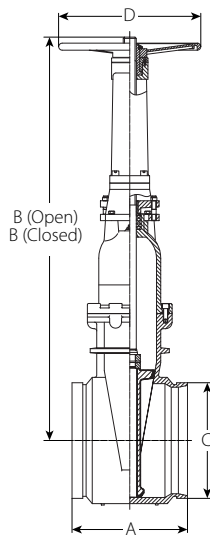
Series 372
Grooved x Grooved

| Size | | Dimensions | | | | | | Weight | |
|-------------------------|---|-------------------|---|---|---|-------------------|-------------------|---------------------------|---------------------------|
| Nominal inches DN | Actual Outside Diameter inches mm | A inches mm | Series 371 Height B Closed inches mm | Series 371 Height B Open inches mm | Series 372 Height B inches mm | C inches mm | D inches mm | Approximate (Each) | |
| | | | | | | | | Series 371 lb kg | Series 372 lb kg |
| 2½ DN65 | 2.875 73.0 | 7.500 190.5 | 16.18 411 | 18.74 476 | 11.02 280 | 2.88 73 | 7.87 200 | 45.2 20.5 | 36.2 16.4 |
| 3 DN80 | 3.500 88.9 | 7.992 203 | 17.09 434 | 20.34 514 | 12.21 310 | 3.50 88.9 | 7.87 200 | 68.1 30.9 | 49.6 22.5 |
| 4 DN100 | 4.500 114.3 | 9.016 229 | 18.11 460 | 22.05 560 | 13.58 345 | 4.50 114.3 | 10.24 260 | 88.2 40.0 | 71.9 32.6 |
| 6 DN150 | 6.625 168.3 | 10.512 267 | 23.90 607 | 29.80 757 | 17.13 435 | 6.63 168.3 | 12.40 250 | 142.9 64.8 | 114.6 52.0 |
| 8 DN200 | 8.625 219.1 | 11.496 292 | 28.59 726 | 36.46 926 | 20.12 511 | 8.63 219.1 | 14.76 375 | 246.0 111.6 | 198.4 90.0 |
| 10 DN250 | 10.750 273.0 | 12.992 330 | 35.04 890 | 44.88 1140 | 24.02 610 | 10.75 273 | 16.38 416 | 352.0 159.7 | 304.2 138.0 |
| 12 DN300 | 12.750 323.9 | 14.016 356 | 40.12 1019 | 51.93 1319 | 27.68 703 | 12.75 323.9 | 17.52 445 | 487.2 222.0 | 425.5 193.0 |

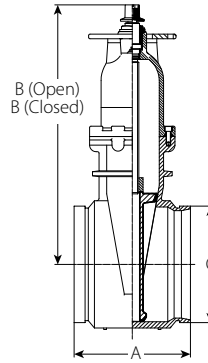
4.0 DIMENSIONS (CONTINUED)

Series 371/W371 Open Stem & Yoke (OS&Y) Gate Valves

Series 372/W372 Non Rising Stem (NRS) Gate Valves



Series W371
Grooved x Grooved



Series W372
Grooved x Grooved

| Size | | Dimensions | | | | | | Weight | |
|-------------------------|---|-------------------|---------------------------------------|-------------------------------------|-----------------------------|-------------------|-------------------|----------------------------|----------------------------|
| Nominal inches DN | Actual Outside Diameter inches mm | A inches mm | Series W371 | Series W371 | Series W372 | C inches mm | D inches mm | Approximate (Each) | |
| | | | Height B Closed inches mm | Height B Open inches mm | Height B inches mm | | | Series W371 lb kg | Series W372 lb kg |
| 14 DN350 | 14.000 355.6 | 15.00 381 | 53.00 1346 | 66.75 1695 | 32.50 826 | 14.00 356 | 19.63 498 | 709.9 266.0 | 610.7 277.0 |
| 16 DN400 | 16.000 406.4 | 16.00 406 | 55.88 1419 | 71.63 1819 | 36.00 914 | 16.00 406 | 19.63 498 | 914.9 515.0 | 824.5 374.0 |

5.0 PERFORMANCE

6.0 NOTIFICATIONS

The series 371/W371 and 372/W372 valves are not not agency listed for fire protection service. Please see [submittal 10.92](#) for fire service products.

7.0 REFERENCE MATERIALS

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

[I-100: 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, 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.

Warranty

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

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