

DIN FLANGED RESILIENT OS&Y GATE VALVE

Type: XZ81X

Doc No: DS-933-XZ81X-01-E-X

1.0 PRODUCT OVERVIEW

The gate valve is mainly used to connect and cut off the medium in the pipeline. The stem nut is on the bracket. When opening and closing the gate plate, the rotary stem nut is used to realize the rise and fall of the stem. The valve switch can be identified according to the lifting height of the stem.



Dimensions:

2" (DN50)-12" (DN300)

Design Standard:

BS5163-1; BS5163-2

Connection Standard:

ISO 6182

Working Pressure:

PN16; PN10

Application:

This DIN flanged resilient OS&Y gate valve is applied at the fire-protection system, the working temperature is 0°C-80°C.

Sign Off:

Owner: _____ Contractor: _____ Engineer: _____
Location: _____ Date: _____ Approved & Date: _____

Material of Matching Products:

Matching Products: Ductile iron Grooved Coupling:
Material: ASTM A536, 65-45-12

表面处理 Surface Treatment:

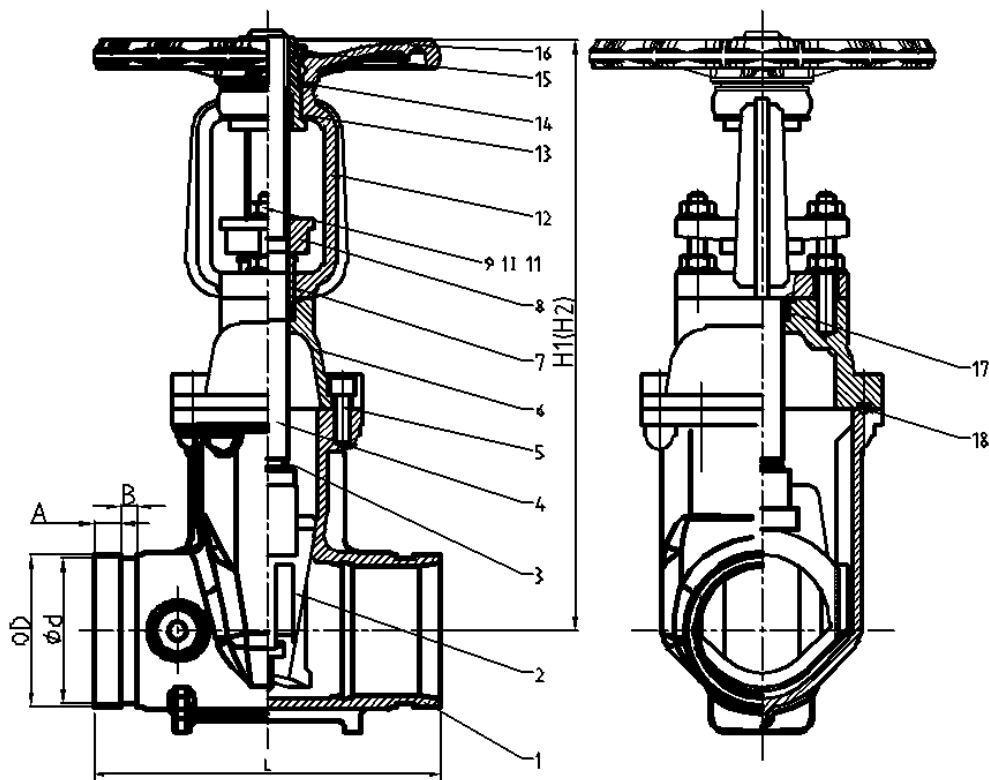
- Epoxy power painting (color numbers as RAL3000, RAL3001、RAL3000-1,etc)
- Painting (color numbers as RAL3000,etc)
- Others would be available upon clients' detailed request

2.0 APPROVALS



3.0 SPECIFICATIONS

Product Sketch:



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| Part No. | Part | Standard Specification | Options |
|----------|----------------------|--|-------------------|
| 1 | Valve Body | EN-GJS-450-10 | |
| 2 | Resilient Wedge disc | EN-GJS-450-10+EPDM | |
| 3 | O-Ring | NBR | EPDM |
| 4 | Stem | SS420 | SS304,SS316,SS431 |
| 5 | Bolt | Carbon Steel Zinc Plated | SS304,SS316 |
| 6 | Bonnet | EN-GJS-450-10 | |
| 7 | Stem Bushing | Brass HPb59-1 | |
| 8 | Gland | EN-GJS-450-10 | |
| 9 | Flat Washer | Carbon Steel Zinc Plated | SS304,SS316 |
| 10 | Stud | Carbon Steel Zinc Plated | SS304,SS316 |
| 11 | Nut | Carbon Steel Zinc Plated | SS304,SS316 |
| 12 | Yoke | EN-GJS-450-10 | |
| 13 | Stem Nut | Brass HPb59-1 | |
| 14 | Washer | Brass HPb59-1 | |
| 15 | Lock Nut | Carbon Steel Zinc Plated (Type A) Not available (Type B) | |
| 16 | Hand wheel | EN-GJS-450-10 | |
| 17 | Stem Packing | EPDM | NBR |
| 18 | Bonnet Gasket | EPDM | NBR |

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4.0 DIMENSIONS AND PERFORMANCE

4.1 Dimensions

| Size | | Dimensions(mm) | | | | | | |
|------|-------|----------------|--------|--------|-------|--------|-------|-------|
| Inch | mm | L | H1(关闭) | H2(开启) | OD | d | A | B |
| 2" | 50.0 | 178.0 | 323 | 373 | 60.3 | 57.15 | 15.88 | 7.93 |
| 2.5" | 65.0 | 190.0 | 343 | 408 | 73 | 69.09 | 15.88 | 7.93 |
| 2.5" | 65.0 | 190.0 | 343 | 408 | 76.1 | 72.26 | 15.88 | 7.93 |
| 3" | 80.0 | 203 | 370 | 450 | 88.9 | 84.94 | 15.88 | 7.93 |
| 4" | 100.0 | 229 | 442 | 542 | 114.3 | 110.08 | 15.88 | 9.53 |
| 5" | 125.0 | 254 | 541 | 665 | 139.7 | 135.48 | 15.88 | 9.53 |
| 5" | 125.0 | 254 | 541 | 665 | 141.3 | 137.03 | 15.88 | 9.53 |
| 6" | 150.0 | 267 | 608 | 758 | 159.0 | 154.5 | 15.88 | 9.53 |
| 6" | 150.0 | 267 | 608 | 758 | 165.1 | 160.90 | 15.88 | 9.53 |
| 6" | 150.0 | 267 | 608 | 758 | 168.3 | 163.96 | 15.88 | 9.53 |
| 8" | 200.0 | 292.0 | 720 | 920 | 219.1 | 214.40 | 19.05 | 11.13 |
| 10" | 250.0 | 330.0 | 939 | 1193 | 273.0 | 268.28 | 19.05 | 12.70 |
| 12" | 300.0 | 356.0 | 1065 | 1370 | 323.9 | 318.29 | 19.05 | 12.70 |

4.2 Flow rates

| | | | | | | |
|----|-------|--------|--------|--------|--------|--------|
| DN | DN50 | DN65 | DN80 | DN100 | DN150 | DN200 |
| Kv | 40.7 | 64.6 | 94 | 162.8 | 366.3 | 651.1 |
| DN | DN300 | DN350 | DN400 | DN450 | DN500 | DN600 |
| Kv | 1456 | 1837.7 | 2437.9 | 3122.8 | 3876.5 | 5666.3 |

5.0 REFERENCE MATERIALS

Approved certification for Gate Valve

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